1917

13th Annual Year Book Western State Normal School 1916-17

Western Michigan University

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View of Buildings
13th Annual Year Book

Western State Normal School

1916-17

INCLUDING

Announcements for 1917-18

AND

REGISTER OF STUDENTS

KALAMAZOO, MICHIGAN

1917
Western State Normal School

DWIGHT B. WALDO, A. M., LL. D., President

STATE BOARD OF EDUCATION

Hon. T. W. NADAL............................................President
Hon. F. A. JEFFERS........................................Vice-President
Hon. FRANK CODY............................................Treasurer
Hon. F. L. KEELER............................................Secretary

HON. F. L. KEELER
State Superintendent of Public Instruction.

Regular Meeting of the Board Last Friday of Each Month
SCHOOL CALENDAR FOR 1917-18
(Holidays are printed in full-face type)

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Western State Normal School

ANNOUNCEMENTS FOR 1917-18

1917

Sunday, June 17..........................Baccalaureate Address
Monday, June 18...........................Alumni Day
Tuesday, June 19..........................Commencement

SUMMER TERM

Monday, June 25..........................Classification of Students
Tuesday, June 26...........................Recitations Begin
Friday, August 3..........................Summer Term Closes

FALL TERM

Friday and Saturday, Sept. 28-29........Classification of Students
Monday, October 1..........................Recitations Begin
Saturday, October 6........................Faculty Reception to Students
Thursday, November 29...................Thanksgiving Recess
Friday, December 21......................Fall Term Closes

1918

WINTER TERM

Wednesday, January 2.....................Winter Term Begins
Friday, March 22..........................Winter Term Closes

SPRING TERM

Monday, April 1..........................Spring Term Begins
Friday, June 14..........................Class Day
Sunday, June 16..........................Baccalaureate Address
Monday, June 17..........................Alumni Day
Tuesday, June 18..........................Commencement

SUMMER TERM

Monday, June 24..........................Summer Term Begins
Friday, August 2..........................Summer Term Closes

FALL TERM

Monday, September 30....................Fall Term Begins
Social Calendar, 1917-18

FALL TERM
Saturday, October 6—Faculty Reception to Students—Fischer's Orchestra.
Thursday, October 18—Practice Teachers' "At Home."
Wednesday, October 24—Girls' Tea, Hostesses: Women's League.
Thursday, November 15—Gymnasium Party.
Saturday, November 17—High School Party.
Friday, November 23—Senior Party to Juniors—Fischer's Orchestra.
Wednesday, November 28—Men's Supper.
Friday, December 7—High School Play.
Friday, December 14—Song Recital, Alma Gluck.
Saturday, December 15—Student Party, Committee: Art Department—Fischer's Orchestra.
Sunday, December 16—Annual Presentation of Handel's "Messiah"—Music Department.

WINTER TERM, 1918
Friday, January 11—Philadelphia Symphony Orchestra with 94 men.
Thursday, January 17—Practice Teachers' "At Home."
Thursday, January 24—Gymnasium Party.
Saturday, February 9—High School Party.
Friday, March 8—High School Parent-Teacher Meeting.
Saturday, March 9—Student Party, Committee: Music Department—Fischer's Orchestra.
Thursday, March 14—Midwinter Play.
Friday, March 15—Rural Progress Lecture and Reception.

SPRING TERM, 1918
Thursday, April 4—Women's League Masquerade.
Thursday, April 18—Practice Teachers' "At Home."
Thursday, April 18—Oratorical Contest.
Saturday, April 20—Junior Party to Seniors—Fischer's Orchestra.
Thursday, April 25—Arbor Day.
May—Fourth Annual May Festival. Date to be announced later.
Saturday, May 18—School Party, Committee: Rural Department—Fischer's Orchestra.
Saturday, May 25—High School Party.
Friday, May 31—Glee Club Concert.
Saturday, June 8—Senior Girls' Breakfast.
Thursday, June 13—High School Commencement
Friday, June 14—Class Play.
Monday, June 17—Alumni Party—Fischer's Orchestra.
Tuesday, June 18—Commencement, 10 o'clock.
Tuesday, June 18—Commencement Luncheon, 12 o'clock.
Y. W. C. A. Meetings, Wednesday at 4 o'clock, Student Club Room.
Faculty

President.

SUSAN H. BALLOU, Ph. D. ........................................
Latin.

MAUDE BAUGHMAN.........................................301 Woodward Ave.
English.

**MAUDE BERGEN, B. S. ....................................
Domestic Art.

AMELIA BISCOMB..........................................226 West Cedar St.
English.

ALICE BLAIR, B. S...........................2323 Midvale Terrace
Domestic Art.

HAROLD BLAIR, B. S...........................1220 Academy St.
Principal High School.
Mathematics.

ARTHUR E. BOWEN..........................................617 Pearl St.
Manual Arts.

*ERNEST BURNHAM, Ph. D. ..................1532 Grand Ave.
Director, Department of Rural Education

BERTHA S. DAVIS........................................218 Douglas Ave.
Public School Music.

SUSIE M. ELLETT, A. B. ..................216 West Walnut St.
Agriculture.

**MARY ENSFIELD, A. B. ......................................
Department of Rural Education

JOHN P. EVERETT, A. M. .................. 903 West South St.
Mathematics.

*JOHN E. FOX, A. B. ..................605 West Vine St.
Physics.

ELVA FORNCROOK, A. B. ..................117 Woodward Ave.
Expression.

* Absent on leave 1917-18.
** Residence begins October 1, 1917.
LUCY GAGE..........................2323 Midvale Terrace
  Early Elementary Education.
EMELIA M. GOLDSWORTHY.............105 West Dutton St.
  Public School Art.
H. P. GREENWALL, B. L................702 West Walnut St.
  Penmanship.
GERMAINE GUIOT........................510 West Walnut St.
  Physical Education.
LUCIA C. HARRISON, A. M................527 West Lovell St.
  Geography.
L. H. HARVEY, Ph. D...................204 Monroe St.
  Biology.
FRANCES HASKELL.....................120 Thompson St.
  Physical Education.
H. GLENN HENDERSON..................838 West Lovell St.
  Public School Music.
**T. S. HENRY, Ph. D....................
  Education.
T. PAUL HICKEY, A. B..................527 Academy St.
  History.
M. AMELIA HOCKENBERRY, A. B...........723 West Lovell St.
  French.
JOHN C. HOEKJE, A. B..................301 West Dutton St.
  Education.
BEULAH HOOTMAN........................Allen Blvd.
  Public School Music.
E. D. HUNTINGTON, B. S..............619 Locust St.
  Zoology.
MARGARET HUTTY.........................2323 Midvale Terrace
  Domestic Science.
JUDSON A. HYAMES.....................2252 Oakland Drive
  Physical Education.
B. L. JONES, A. M.....................709 West Lovell St.
  English Language and Literature.
*ELEANOR JUDSON......................623 West South St.
  Public School Art.

* Absent on leave 1917-18.
** Residence begins October 1, 1917.
ARTHUR L. LORING, A. B...........................................115 Allen Blvd.
Department of Commerce.

VERA LUTJE, A. B...........................................202 East Lovell St.
History.

LLOYD MANLEY...........................................1018 Engelman Ave.
Manual Arts.

HARPER C. MAYBEE...........................................1423 Grand Ave.
Public School Music.

**GLENN S. MAYER, B. S........................................
Manual Arts.

WILLIAM McCracken, Ph. D........................................918 Academy St.
Chemistry.

CAROL McMillan, A. B........................................
Expression.

LAURA MICKEY, A. M...........................................1618 Bank St.
Mathematics.

MARY A. MOORE...........................................220 Elm St.
Domestic Science

MARY H. MUNRO, A. B...........................................709 Hawley St.
Rural Observation School.

FLORENCE B. MURPHY, A. B........................................
English Language and Literature.

ROSE NETZORG...........................................825 West Cedar St.
Public School Art.

**JAMES A. PLACE, A. M........................................
Biology.

**ELEANOR RAWLINSON........................................
English Language and Literature.

ROSAMUNDE REED...........................................510 West Walnut St.
Physical Education.

R. M. REINHOLD, B. Pd...........................................1415 Maple St
Education.

SAMUEL RENSHAW, A. B...........................................448 Michigan Ave.
Education.

PAUL ROOD, A. B...........................................1103 South Grand Ave.
Chemistry and Physics.

LOUSENE ROUSSEAU, A. B...........................................416 Locust St.
Expression.

*M. J. SHERWOOD...........................................615 Stockbridge Ave.
Manual Arts.

* Absent on leave 1917-18.
** Residence begins October 1, 1917.
WESTERN STATE NORMAL SCHOOL

MARION SPALDING.................................................................
   Physical Education.
WILLIAM H. SPALDING, A. B...............1337 Hillcrest Ave.
   Director Athletics.
MARGARET SPENCER..........................710 West Lovell St.
   Public School Art.
*LAVINA SPINDLER..........................415 Pearl St.
   Dean of Women.
GEORGE SPRAU, A. M.....................949 Walwood Place
   English Language and Literature
**ELAINE STEVENSON..........................Public School Art.
GEORGE S. WAITE..........................616 West Walnut St.
   Manual Arts.
CAROLINE WAKEMAN, A. M..........527 West Lovell St.
   History.
ELMER WEAVER...............................Ingleside Terrace
   Manual Arts
L. H. WOOD, A. M........939 Walwood Place
   Geography.
ELISABETH ZIMMERMAN, A. M..........
   German.

TRAINING SCHOOL DEPARTMENT

FRANK E. ELLSWORTH..............1431 Grand Avenue
   Director.
LAVERNE ARGABRIGHT...............West Lovell St.
   Critic.
FANNIE BALLOU........................723 W. Lovell St
   Critic.
MINNIE CAMPBELL....................409 Pearl St.
   Critic.
IVA J. FERREE..........................301 Woodward Ave.
   Critic.
FRANCES KERN, B. S........2323 Midvale Terrace
   Critic.

* Absent on leave 1917-18.
** Residence begins October 1, 1917.
RUTH MILLER, A. B............................906 West Lovell St.
Critic.

KATHERINE MULRY..............................530 South Rose St.
Critic.

EDITH SEEKEI.................................412 Ranney St.
Critic.

IRENE STEELE..................................
Critic.

**LOUISE STEINWAY, B. S..........................

*EMILIE TOWNSEND............................415 Pearl St.
Critic.

LIBRARY

ESTHER BRALEY, A. B.........................1514 North Spruce Drive
ANNA L. FRENCH..............................R. R. No. 8
AMELIA ANDERSON............................527 West Lovell St.

OFFICES

KATHERINE NEWTON............................720 West Main St.
Secretary.

NATALIE MURPHY, A. B......................1223 Grand Avenue
BERNICE HESSELINK..........................506 Village St.
MARIE C. COLE.................................316 West Vine St.
Secretary, Appointment Office.

LEAH SMITH.................................Davis St.
Clerk, Extension Office.

LUCILLE FLEUGAL.............................10 Davis St.
Clerk of High School

STANDING COMMITTEES 1917-18

The President is ex-officio a member of each committee.

Appointment Committee—Ellsworth, Hoekje, Hickey, Ballou.
Assembly Exercises—Harvey, Maybee.

*Leave of absence 1917-18.
**Residence begins October 1, 1917.
Athletics—Renshaw, Mayer, Guiot.
Course of Study and Year Book—Sprau, Ellsworth, H. Blair.
Summer Bulletin—Sprau, Ellsworth, H. Blair.
Extension—Hoekje, Wood, Renshaw.
Lectures and Entertainments—Hickey, Maybee.
Program, Records, and Schedules—
(1) Life Certificate and Graded School Courses—Everett, Sprau.
    Junior and Senior Cards—Newton.
    Recorder—Murphy.
    Entrance Requirements—Hickey.
    Early Elementary Life Course—Ellsworth, Gage, Ballou.
    Later Elementary Life Course—Zimmerman, Wakeman.
    Junior High School Life Course—Rawlinson, Seekel.
    Senior High School Life Course—Sprau, Wood.
    Graded Course—Harrison.
    Extension Course—Hoekje.
    Art—Goldsworthy.
    Commercial—Loring.
    Household Arts—Blair, Moore.
    Manual Arts—Bowen.
    Music—Maybee.
    Physical Education—Guiot.
(2) Rural School Courses—Ensfield.
(3) High School Course—H. Blair, Baughman.
    NOTE—Application for advanced standing should be made to
    the chairmen of these three committees.
Extra Studies—Hickey, Blair, Ensfield.
Health—Harvey, Ellsworth, Ferree, Goldsworthy, Guiot.
Social Life—Davis, Ellsworth, Hickey, Guiot.
Student Organizations—
    Amphictyon Society—Hoekje, Seekel, Rousseau.
    Normal Literary Society—Kern, Spencer, Mulry.
    Rural Sociological Seminar—Ensfield, Ellett.
    Y. W. C. A.—Baughman, Biscomb.
    Y. M. C. A.—Hoekje, Greenwall.
    Oratorical—Rousseau, McMillan, Rawlinson.
    Kalamazoo Normal Record—McCracken, Seekel.
Western State Normal School

The Western State Normal School is located in Kalamazoo, the county seat of Kalamazoo County, in the heart of southwestern Michigan. In beauty, in accessibility, and in general educational advantages this thriving city of forty-five thousand inhabitants affords an ideal location for the school.

Kalamazoo is at the intersection of the great lines of travel in western Michigan. It is the half-way point between Detroit and Chicago on the main line of the Michigan Central Railway which is crossed here by the Grand Rapids & Indiana, the Lake Shore & Michigan Southern, and the Chicago, Kalamazoo & Saginaw railroads, all running north and south. It is the eastern terminus of the South Haven branch of the Michigan Central, which gives excellent connections with Chicago by boat. It is also the eastern terminus of the Kalamazoo, Lake Shore & Chicago Railroad. The Chicago & Grand Trunk Railway now has direct connection with the main line of that road by way of Pavilion. The electric lines of the Michigan United Traction Company give trolley connections with the eastern part of the State via Battle Creek and Jackson. The new electric line connecting Grand Rapids and Kalamazoo now gives good service between these cities. On the various railways nearly one hundred trains arrive and depart daily giving excellent connections with all the surrounding territory.

The advantages of Kalamazoo as a place of residence are unquestioned. The city is beautiful in situation and is well kept. The climate is healthful, the water supply excellent, and the sanitary conditions are unusually good. Situated in the center of a fine farming country, it is widely known for its diversified industries and educational advantages.

The Normal School has the advantages of neighborhood with other institutions of kindred purpose. The Public Library, under the charge of the City Board of Education, has a well-chosen collection of fifty thousand volumes. Kalamazoo College, Nazareth Academy, and the Public Schools give for the one community notable opportunities for education.
PURPOSE OF THE SCHOOL

The purpose of the school as constituted by law is to prepare teachers for public school service. The work of the school is organized and conducted essentially to this end. It is recognized that scholarship, knowledge of child nature, and a proper attitude toward the work of teaching are the three essential factors in all professional preparation for teachers. The courses of study in the Western State Normal School have been planned with the purpose of providing for these ends by giving as thorough knowledge of the subject matter as possible in the time devoted to the work, by emphasizing the principles underlying the educational process, and by keeping before the mind of the student the realization that the highest aims of education are character and service. All facilities possible will be offered for the furtherance of these purposes and for bringing the student into contact with the best in modern thought and life. The spirit of hearty co-operation between faculty and students in enterprises and interests of the school will be fostered at all times.

The responsibility for the proper attitude of students toward the school and community is, for the most part, necessarily thrown upon the students themselves. While it is the purpose of the school continually to incite the student to higher and better ideals of character and public service it is impractical for a normal school to attempt the task of reforming young men and young women. No personal effort will be spared in assisting students in every possible way. But those who are manifestly lacking in the essentials of good character, or in ability to become efficient instructors of children, will be requested, whenever the evidence of their unfitness is complete, to withdraw from the school.

GROUND

The school is located on a commanding bluff west of the valley in which Kalamazoo lies, nearly opposite the central part of the residence section of the city, and within a mile of the business district. From the various sites offered by the citizens of Kalamazoo, the tract of twenty acres on Prospect Hill was chosen by the State Board of Education as combining to an unusual degree natural beauty with practical advantages. From the hilltop one gains a magnificent view of the city and the river valley. Much
of the tract is wooded, and in the preparation of the ground special care has been taken to save the natural forest. The street railway runs along the western border of the site, while within three blocks on the east are situated the High School, the Manual Training School, and the Vine Street School, of the city system.

BUILDINGS

1. Administration Building. This structure contains, in addition to the administration offices, fourteen class rooms, an assembly room, and the library and reading rooms. The Normal Co-operative Store is located on the first floor. The site occupied by the Administration building is well known for the panoramic view of Kalamazoo and the surrounding country.

2. Training School Building. The Training School building is a splendid structure of two stories and a basement. This structure, 118 feet long and 100 feet wide, is one of the best planned of its kind in the country. In completeness and convenience the building is a model.

3. Gymnasium. The gymnasium is the largest among the normal schools of the country. The main room is 119 feet long and 68 feet wide, the floor being entirely clear of posts or obstructions of any kind. The running track, 9½ feet wide, is suspended from the structural steel supporting the roof of the building. In the basement are lockers, shower baths for men and women, and a swimming pool 52 feet long.

4. Science Building. The new Science building is located directly west of the gymnasium and covers a ground area 148 feet long and 78 feet wide. The building is three full stories above the basement. The first floor affords rooms and laboratories for the departments of education and geography. The department of biology is housed on the second floor, and on the third floor are recitation rooms and laboratories for the departments of physics and chemistry. The new building and its splendid equipment greatly increase the efficiency of the several departments of science.

5. Manual Arts. The department of manual arts has splendid quarters in the Manual Training building of the public school system of Kalamazoo. Additional facilities are provided in three well equipped rooms and shops in the Normal School buildings.
THE RAILROAD

An electric railway controlled and operated by the school provides free transportation to and from the summit of the hill on which the Normal School buildings are located.

GENERAL EQUIPMENT

During the biennial period important additions have been made to the general equipment of the school.

Gymnasium Apparatus. The Gymnasium, which is one of the largest buildings of its kind among the normal schools of the United States, has been provided with an excellent equipment of the necessary apparatus for physical training.

Manual Arts. Large expenditures have been made for the departments of manual arts and domestic science, and the equipment for these subjects includes the essentials needed for effective work. The department of manual arts is well equipped for all lines of work, having in the machine shop a planer, drill press, emery grinder, a motor driven saw, and six speed lathes, five of which are individual motor driven. This shop also contains six steel covered benches equipped with vises for work in chipping and filing. The forge shop contains twelve down-draft forges and a combination shear and punch. The wood turning and pattern making room contains fifteen lathes, twelve of which are the under drive type and three are motor head type, a band saw, motor driven joiner, motor driven emery grinder, and bench trimmers. The cabinet making equipment consists of a motor, joiner, universal saw, surfacer, and band saw.

Laboratories. The department of biology now occupies new quarters with much additional equipment. Some fifty compound microscopes, Ganong’s botanical apparatus, full equipment of laboratory instruments, lantern slides, etc., have been added. Also the agricultural laboratory has been fully equipped with new apparatus, charts, etc. An extensive collection of separates and bulletins will be made available to students.

The chemistry department occupies its new commodious and well equipped quarters on the third floor of the new Science building. The completion of this building and the money now available have made it possible to buy and install the equipment necessary for the increased scope of the work. The following new pieces of ap-
paratus have been purchased: A delicate analytical balance, six good balances for general student work, a Parr calorimeter, electric combustion furnace, electric drying apparatus, heat engine, a good spectroscope, gas analysis apparatus, a new still for distilled water, platinum ware for quantitative analysis, graduated flasks and apparatus for volumetric work, and much glassware and chemical material for general chemical work.

The department of physics occupies the north half of the upper story of the new Science building. This consists of a lecture room, two stock rooms, two large laboratories, a large dark room for photometric and spectrum work and photography, a smaller dark room for individual use, a shop, and an office where students may meet with the instructor for conferences. A complete equipment of apparatus for class demonstration and individual laboratory work has been added, including a motor generator for charging storage batteries, polariscopes, spectrometer, Geissler tubes, X-ray tubes, induction coil giving six-inch spark, wireless telegraphy, a supply of Weston standard meters for both direct and alternating current work, porte lumiere stereopticons and all other apparatus found in a first-class laboratory. The tables of the laboratories are each supplied with gas and with both direct and alternating current through double pole switches from central switch boards. The shop for construction and repair of apparatus is equipped with work bench and complete set of tools. The large dark room is provided with double entrance so that students may leave and enter without disturbing any photographic work that may be in progress. This dark room is also thoroughly ventilated by a fan which is controlled by a switch installed in the dark room.

The geography department is occupying its spacious quarters in the new Science building, where two class rooms, a laboratory, a reading room with a reference library, and a photographic dark room greatly increase the range and efficiency of the work. The equipment consists of (1) all the current publications of the United States government—geological, agricultural, commercial, and industrial; (2) current geographic journals; (3) topographic maps, folios, several hundred general maps, wall maps, globes, etc.; (4) 2,000 slides, and a large collection of rocks and minerals for illustrating commercial geography; (5) a full set of meteorological apparatus; and (6) apparatus for illustrating physical geography.

The department of education now occupies quarters on the first
floor of the new Science building. Additional apparatus has been added to the equipment of this department for work in psychology and experimental education. Two laboratory rooms are provided with special tables and appliances for individual work in the study of mental processes. A complete system of wiring has been installed, connecting all the rooms of the department whereby special experimental work may be carried on in different fields of research. A chronoscope, kymographs, tachistoscopes, plethysmograph, ergographs, color mixers, ethesiometers, and other apparatus will constitute a part of the equipment for this department.

NEW ATHLETIC FIELD

The new athletic field was purchased at a cost of $12,000 in the fall of 1913. The grounds, more than 13 acres in extent, lie between the Michigan Central Railroad and the Eames mill race. One corner of the new field is less than eight rods from the nearest point on the Normal School campus, so that in accessibility the location is ideal. The baseball diamond is in use and the work of grading the entire field is nearly completed. A quarter-mile running track and a football gridiron have been constructed. The field, when completed will include two baseball diamonds, two football fields, and several tennis courts. Bleachers for baseball, football, and track have been provided. The new athletic field will be second in Michigan to Ferry Field only in facilities for outdoor recreation and athletics.

NEW PURCHASES OF LAND

Important additions to the land holdings of Western State Normal have been made recently. Among these is the Fletcher property, a magnificent building site fronting on Oakland Drive. This property is fourteen rods in width and extends 440 feet east on Austin Street.

Other important purchases consist of land lying between Michigan Avenue and Oakland Drive, northeast of the present athletic field. This holding includes the factory building operated many years by Mr. Gardner Eames. It is probable that the new Manual Training building will be erected on the triangle consisting of the purchases above referred to.
THE LIBRARY

The Library consists of three rooms—a stack room and two reading rooms—thrown together by a large archway, giving a floor space of 100 feet long and 30 feet wide.

The reading rooms have wall shelves containing the files of bound magazines for reference work. Complete files of magazines are starred in the following list.

Library bureau equipment is constantly being added to meet the growing needs. Dewey decimal classification is used for the arrangement of the books, and a card catalogue of the dictionary type makes available a collection now numbering 15,650 volumes, besides government documents. During the year, 1,493 volumes have been added. All students have access to the stack room, as well as to the periodical and reference collection, during library hours, and an effort is made to insure intelligent use of the scheme of arrangement of the books, and of the works of reference by a course of ten lessons required of all juniors.

The use of the Kalamazoo Public Library, a comprehensive collection of 50,000 volumes is generously permitted to the members of the school, and gives a much appreciated opportunity for supplementary work.

The periodical list is as follows:—

PERIODICAL LIST

1917

American blacksmith
American boy
American city
*American cookery
*American historical review
*American journal of botany
American journal of nursing
*American journal of psychology
*American journal of sociology
American labor legislation review
American magazine
American mathematical monthly

American monthly review of reviews
American naturalist
American physical education review
American political science review
American Scandinavian review
American school board journal
American schoolmaster
*Annals of the American academy of political and social science
Art and archeology
Art world
Atlantic educational journal
*Atlantic monthly
Bellman
Biological bulletin
Bird lore
*Birds and nature
Book review digest
Bookman
Boston transcript (Weekly)
Botanical gazette
Boys' magazine
British journal of psychology
Bulletin of bibliography
Bulletin of the Pan-American union
Bulletin of the Torrey botanical club
Bungalow magazine
Century
Chicago herald
Chicago tribune
Child
Child labor bulletin
Christian science monitor
Classical journal
Classical philology
Collier's weekly
Le costume royal
Courrier des Etats-Unis
Cumulative book index
Current opinion
Delineator
Detroit free press
Dial
Drama
Education
*Educational administration and supervision
*Educational bi-monthly
*Educational review
Elementary school journal
*English journal
Etude
Eugenics review
Experiment station record
Fortnightly review
*Forum
Furniture manufacturer and artisan
Geographical journal
*Geographical review
Good housekeeping
Guide to nature
*Harper's monthly magazine
*Hibbert journal
*History teacher's magazine
Home progress
House beautiful
Hygiene and the child
Illustrated London news
Illustrated milliner
L'Illustration
Independent
*Industrial-arts magazine
Industrial management
International journal of ethics
International studio
John Martin's book
*Journal of agricultural research
*Journal of American folk lore
*Journal of American history
Journal of the American medical association
Journal of anatomy
Journal of animal behavior
Journal of comparative neurology
Journal of ecology
Journal of education
Journal of educational psychology
Journal of experimental psychology
*Journal of geography
Journal of geology
Journal of heredity
*Journal of home economics
Journal of philosophy, psychology and scientific methods
Journal of political economy
Keramic studio
*Kindergarten and first grade
*Kindergarten-primary magazine
Library journal
Life
Literary digest
Living age
McCall’s magazine
*McClure’s magazine
*Manual training magazine
*Mathematics teacher
Michigan farmer
Mind and body
Moderator topics
Modern language notes
Modern language review
Modern philology
Modern Priscilla
*Musical quarterly
Musician
*Nation
National builder
*National geographic magazine
Nature study review
New country life
New phytologist
New republic
New York times
Nineteenth century
Normal instructor and primary plans
North American review
Outing
*Outlook
*Pedagogical seminary
Plant world
Playground
Poet lore
Political science quarterly
*Popular science monthly
Primary education
Printing art
Proceedings of the academy of political science
*Psychological bulletin
*Psychological clinic
Psychological review
Public
Public libraries
Punch
*Quarterly journal of public speaking
Readers’ guide to periodical literature
Readers’ guide to periodical literature—Supplement
Revue des deux mondes
Rural manhood
Saint Nicholas magazine
School and home education
*School and society
School-arts magazine
School century
School music
School review
School science and mathematics
*Science
Science progress
Scientific American
Scientific American supplement
*Scientific monthly
Scottish geographical magazine
Scribner's magazine
*Seven arts
*Something to do
Springfield republican (Weekly)
*Survey
Teachers college record
*Theatre arts

Torreya
Training school
Travel
Ungraded
Unpopular review
Vogue
World's chronicle
World's work
Yale review
Youth's companion
Activities and Organizations

MORNING EXERCISES

Students and members of the faculty meet every Tuesday morning at nine o'clock. The exercises are in charge of a special committee and consist ordinarily of musical numbers provided by the music department of the school and an address given by a member of the faculty or by an invited guest.

SUPERVISION OF STUDENT LIFE

The social and moral welfare of women students is under direct supervision of the dean of women. She has prepared a list of addresses where rooms for young women may be obtained. All houses on the list have been inspected by her and although responsibility for them cannot be assumed by the normal school, they are believed to be suitable houses for women students. Copies of this list will be sent on application; however, it is advisable for students to see the rooms before engaging them.

Women students are expected to occupy rooms only in such rooming houses as accommodate women exclusively, and in which a parlor is provided for the reception of visitors; exceptions are made only by permission of the dean of women. Changes in rooming places may be made only with her approval.

All women students are required to report to the dean of women on entering the institution, in order that they may register their addresses, and may be directed if rooms have not been secured.

The dean of women wishes to be of real service to the young women, such as planning their courses of study, securing remunerative positions, etc. They are requested to report all cases of illness to her, and should consult her freely upon any topics that concern their general welfare.

HEALTH

Kalamazoo, according to the records in the office of the State Health department, is one of the healthiest cities in the country. Its splendid water supply and efficient health department marks it
as unusual in its sanitary conditions. The great majority of the non-resident student body is housed in the most desirable sections of the city. Realizing that with the enrollment of the student the school becomes responsible for his health as well as for his educational development, and that the efficiency of the student depends upon his condition of health, a committee on student health has been created to serve as an advisory committee to the student body. Students are urged to bring all cases of physical indisposition to the attention of some member of this committee. Any case of contagious disease should be immediately reported to some member of the Health Committee or to the Dean of Women.

STUDENT CLUB ROOM

A "Students' Club Room" located in the Administration building is used by the young women for quiet study or rest between classes.

THE KALAMAZOO NORMAL "RECORD"

The Record serves as a clearing house for the educational activities of the Normal. Timely articles on present questions are contributed by members of the faculty. The Training School, the departments of art, domestic art and science, education, English, expression, German, history, kindergarten, mathematics, music, physical training, and science furnish many articles of great practical value to teachers. This material is usable and serviceable as it is the record of successful work in the Normal itself. The subscription price is fifty cents a year. The Record is now published quarterly as a forty-eight page magazine. Inquire at the office for samples of one of the numbers issued in 1916-1917.

THE WESTERN NORMAL "HERALD"

The Herald, the official weekly publication of the Normal School, made its first appearance in the summer term of 1916. It is issued as a four-page paper, newspaper size, each Wednesday morning. The Herald endeavors to chronicle faithfully all the important activities of the school. From time to time, through the year, special numbers are issued. These are devoted to art, music, industrial training, athletics, co-educational activities of a special nature, and other particular school interests. Every stu-
dent and faculty member is a paid subscriber. The alumni are also giving the paper hearty support. The subscription price is one dollar for the forty-two issues of the year, summer term numbers included. Subscriptions may begin at any time.

**THE APPOINTMENT COMMITTEE**

In order to serve the best interests of the superintendents throughout the state in securing teachers adapted to the needs of the various schools, the work of recommendation is placed in the hands of the Appointment Committee. This committee consists of members of the faculty who are in a position to know intimately the work of each student, both in Training School teaching and in classroom work. Full records regarding previous experience, range of salary, grade for which the student is adapted, with a photograph of the student and detailed statements from the instructors concerning the ability and personality of each are kept on record in the office of the Training School. These records are sent out upon application to the superintendents, or can be referred to by them when they visit the Normal School. While a personal interview with the students at the school is to be preferred, the committee makes every effort to make discriminating selection of students for vacancies referred to them by superintendents. A complete alumni file with the reports from the present field of work of each student makes it possible to name candidates for work which requires more mature and experienced people than those in the class of the current year. Each year some of the graduates are thus taken to larger cities, county normal work, superintendencies of larger places, etc. The committee is desirous of being of the greatest possible service to the schools of the state and each year extends its work.

**THE ALUMNI ASSOCIATION**

The Western Normal Alumni Association, organized June 19, 1906 by graduates of the first two classes, has served as a bond between the members as teachers throughout the state, and the Normal. With the class of 1917 its number will exceed 2,000 and thirteen classes will be represented in the membership. Each year headquarters are maintained at the State Teachers’ Association meeting, and alumni are urged to register and make use of
the rooms reserved for this purpose. A Western Normal banquet is held at this time, and during commencement week a reception and luncheon for the graduates are important events.

Through Normal news letters the school aims to keep its alumni informed in regard to various matters of interest and development. A special effort is also made each year to keep in touch with the graduates through the Appointment Committee. In this way there is mutual help and a maintenance of the friendly relations which keep the school and its graduates interested in each other.

ATHLETICS

The Western State Normal offers exceptional advantages in athletics and physical training. The gymnasium, one of the best in the country in structure and equipment, forms the center of athletic work. The gymnasium is provided with abundance of floor space for all indoor games, a large running track of modern design, a swimming pool, and shower baths, and all the latest appliances for gymnastic exercises. Outdoor games and athletics are held on the new athletic field. Five efficient instructors have charge of the work in physical training, thus assuring careful consideration of the physical needs and health of the students. It is the purpose of the work in this department to send out teachers physically strong and healthy, and to this end the work is planned. Individual attention is given the students in all indoor and outdoor exercises.

Opportunities for all sorts of games are provided. Basketball, indoor baseball, and track work will be given due prominence. During recent years successful football and baseball teams have been organized. Tennis courts on the campus are open to students and faculty. A tennis tournament is held annually among the players of the school. It is planned to make the athletic work an organic part of the student life in order to foster the health and efficiency of the teachers of the state.

THE CLASSICAL CLUB

The Classical Club is an organization holding monthly meetings, whose active members are students in the Latin department. Any other students in the school are cordially welcomed as associate members, particularly those specializing in art, English, and history.
An opportunity is here offered for acquaintance with many matters of supplementary interest, for which time cannot be found in the class-room, such as public and private institutions of the Greeks and Romans, their religion, art, theatre, the topography and monuments of Athens and Rome, etc., etc. The programs, given by both instructors and students, consist of games, illustrated talks on subjects varying in the different years, the giving of simple plays, etc. The subjects during the year 1916-17 concerned the remains of ancient Rome, the Roman house and public buildings, family life, education, amusements and occupations. Plans for a Roman dinner, modelled on Horace's Satire (11, 8), with the presentation of plays by the pupils of the high school, were abandoned in favor of war aid work.

THE DRAMATIC ASSOCIATION

The Dramatic Association was organized at the close of the school year of 1914 and represents a union of the smaller dramatic clubs of the school. It aims to arouse and direct student interest in the drama and dramatic activities, both through the production of plays and the rendering of programs upon dramatic subjects. Only plays of real literary and artistic merit are attempted, and the results have been very gratifying. Membership is limited to those students who possess dramatic ability, or are interested in dramatic affairs.

THE HICKEY DEBATING CLUB

This society was organized during the last days of 1913 in answer to a need which was felt by several of the young men in the school for some organization whose principal aim should be to promote efficiency in the art of clear and forceful expression before an audience. The club is officered and controlled entirely by students with the exception of one committee member appointed by the president of the school to advise and co-operate with the members of the club.

The regular meetings of the club occur on alternate Tuesdays at 4 p.m., when current questions are formally debated by chosen teams. No credit is given and no dues are charged, the only requisite for membership being a "willingness to obey orders and go to the front."
LITERARY SOCIETIES

Two literary societies have been organized and each of these holds regular meetings throughout the school year.

Amphictyon. The Amphictyon Society was organized in 1904, and holds regular meetings throughout the school year. The society has expressed its object as follows: "To promote such a liberal interchange of thought and social interests as will aid in the development of right character, the spirit of good fellowship, and the highest freedom and efficiency of mind." The society has a large membership, and gives receptions and public programs that do much to promote the social life of the school.

Normal Literary Society. This society was organized in 1906, and includes both men and women of the school in its membership. An important purpose of this society is the promotion of interest and efficiency in public speaking. Regular meetings of this society are held on alternate Thursdays at 7:30 p.m., when programs of interest to the student body are given, arranged by a special program committee.

Oratorical Association. This organization includes members from the literary societies named above. The aim of this association is to develop an interest throughout the school in public oratory. Annual contests are held in April and May; these contests are open to all who have membership in the above-named societies. Manuscripts of contestants are submitted to the chairman of the faculty committee on oratoricals two weeks before the finals. Cash prizes are awarded annually to contestants taking first and second place.

MUSICAL ORGANIZATIONS

Chorus. During the past year the chorus has enlarged its scope of work by organizing and incorporating under the state law as the Kalamazoo Choral Union, with the object of cultivating the musical interests and general up-building of choral music in the Western State Normal School and the city of Kalamazoo, also to present eminent artists and orchestral organizations. In the past few years the following organizations have appeared—The Minneapolis Symphony, Emil Oberhoffer, conductor; New York Symphony, Walter Damrosch, conductor; Chicago Symphony, Frederick Stock, conductor; Russian Symphony, Modest
Altschuler, conductor. Among the artists who have appeared are sopranos, Amelita Galli-Curci, Louisa Tetrazzini, Mabel Garrison, Leonora Allen, Saba Doak, Marie Sundelius; contraltos, Julia Claussen, Frances Ingram, Margaret Keyes, Alma Beck; tenors, Paul Althouse, Morgan Kingston; basses, Arthur Middleton, Reinald Werrenrath; pianist, Josef Hofmann; violinist, Fritz Kreisler. The following choral works have been presented—Handel's "Messiah," Mendelssohn's "Hymn of Praise," and "Elijah;" Max Bruch's "Arm;" Hayden's "Creation;" Choral Fantasia of Wagner's Lohengrin; Cowen's "Rose Marden;" Gau "Holy City" and Ruth and Fair Ellen.

Glee Clubs. Three Glee Clubs are maintained during the year, a junior and a senior Girls' Glee Club, and a Mens' Glee Club. The clubs have taken a prominent part in the life of the school, appearing frequently in assembly—the seniors having presented two programs. They have appeared in nearby towns, giving a concert in Battle Creek under the auspices of the Athletian Club. Music was furnished for the Chamber of Commerce banquet, State Pure Food Exhibit, City Patriotic Demonstration, held in the local State Armory. The services of any of the glee clubs may be secured for concerts by school or other organizations by paying expenses.

Normal Music Club. This is an organization of faculty and student members of the music department. Meetings are held monthly at homes of the members. Programs are prepared by the committees and given by the students, followed by a social time.

Orchestra. Any student who has moderate success with an instrument is eligible to membership. Weekly rehearsals are held and the opportunity for ensemble work under direction is one of which a number of students have taken advantage. This year the orchestra furnished music for various school functions.

Band. The Normal Band is composed of about twenty-five men. The purpose of the band is the study of standard concert and military band music as well as the better class of popular music. Membership in the band is open to all students possessing the necessary qualifications. The band gives many performances during the school year at various athletic contests. Weekly rehearsals are held throughout the year.
THE SENATE

The Senate is a girls' debating club, organized to develop an interest in questions of public welfare through formal debate. Next year the club expects to undertake intercollegiate debating. Membership is limited to twenty-five, the sole requirement being scholastic standing.

WOMEN'S LEAGUE

The Women's League was organized in 1913, and holds social meetings once every fortnight throughout the school year. The aim of the society has been to look after the home, business, and social relations of the young women of the school, all of whom are eligible for membership. Women of the faculty are also eligible for associate membership, and the entire organization is representative of democratic co-operation and social enjoyment.

THE YOUNG WOMEN'S CHRISTIAN ASSOCIATION

The Normal has a Christian association for the young women of the school, and through the past year Bible study classes, conducted by a capable instructor, have constituted an important part of the work. Regular weekly meetings are held, and the members of the association aim to be of practical help to new students.

The Young Women's Christian Association aims to develop a spirit of mutual helpfulness among the young women of the Normal. The association holds four meetings a month. The organization is vitalized by a large group of young women to whom its activities have proven an invaluable part of their student life.

YOUNG MEN'S CHRISTIAN ASSOCIATION

The Young Men's Christian Association of the Western State Normal School was organized in 1916. During the past year it has manifested a very healthy growth which augurs well for its success during the coming year. It already ranks as one of the real factors of power at the Normal School. Meetings are held every Sunday afternoon at 2:30 in the Rotunda of the Training School.

Committees of the Association are planning to look after new men students upon their arrival at the beginning of each term,
Authorized representatives of the Association may be recognized by special badges. These representatives may be trusted implicitly as to information, advice, and direction. New students unfamiliar with Kalamazoo and the Western State Normal who write to the President of the Normal Y. M. C. A., care of the Normal, will be met at the depots at which they arrive, if they will specify the time of their expected arrival. Letters should reach Kalamazoo a week before the opening of each new term.
Expenses

FEES

Tuition. For residents of Michigan, $6 for each regular term of twelve weeks and $4 for the summer term of six weeks.

For non-residents of Michigan, $10 for each regular term of twelve weeks and $5 for the summer term of six weeks.

A fee of $1.50 is collected each term for the support of athletics, and subscription to the two school papers.

The above rates will apply to all classes of students except students from Kalamazoo County who enroll in Rural School courses.

Graduation Fees.

Rural School Course...........................................$2.00
Graded School Course........................................2.00
Life Course......................................................3.00
Extension Course................................................3.00

Laboratory Fees.

Chemistry, each term...........................................1.00
Physics, each term.............................................1.00
Botany, each term............................................. .50
Zoology, each term............................................ .50
Domestic Art.....................................................2.00
Domestic Science...............................................2.00
Manual Arts....................................................$2.00 or $3.00
BOARDING AND ROOMING

There are convenient rooms in the vicinity of the school sufficient to house 1,200 or more students. The cost of room and board varies. The average cost of rooms is from $1.50 to $2.00 per week; the average cost of board from $3.50 to $4.50 per week.

Men and women students should not room in the same house. Women students should expect the privilege of entertaining their callers in a down-stairs room assigned for that purpose.

A list of good rooming and boarding houses can be obtained from the secretary in the general office or from the dean of women. It is advisable for students to see the rooms before they definitely engage them.

REMUNERATIVE OCCUPATION

Kalamazoo offers many opportunities for students who wish to support themselves in part during their residence in the school. There are openings in a number of lines, including the care of lawns and furnaces, waiting table, care of children, assisting in housework, etc. For those who have had experience in business lines, including stenography, there is frequent demand. The secretary of the school has charge of this department and receives and attends to requests for assistance.

STUDENT LOAN FUND

In September, 1912, the nucleus of a student loan fund was established by the gift of $200 from Miss Blanche Hull. This fund has been increased to a total of more than $3,000. Money is loaned to deserving students on the recommendation of a faculty committee. A low interest rate of 5 per cent is charged and notes are given for one year.

THE NORMAL CO-OPERATIVE STORE

The Co-operative Store, which began its existence at the opening of the summer term of 1912, has had a most satisfactory development. Here it is possible for students to procure all their books and school supplies at reduced prices. The saving of stu-
students' time afforded by the Co-operative Store is inestimable, while the saving of money owing to low prices is another factor in assuring the general popularity of the institution.

**NORMAL LUNCH ROOM**

The Normal maintains a lunch room in the basement of the Training School building where wholesome and palatable food is served at small cost. Five hundred students can be comfortably accommodated each noon. The lunch room offers employment to twelve or more students. Miss Grace E. Moore is in general charge of the lunch room and to her all applications for work at the noon hour should be made.
Conditions of Admission

Students may enroll at the opening of any term. In 1917-18 the opening dates will be as follows: Fall Term, October 1, 1917, (registration September 28 and 29); Winter Term, January 2, 1918; Spring Term, April 2, 1918; Summer Term, June 24, 1918. Students entering for the first time should bring their high school or other entrance credits. A blank is provided for this purpose.

ENTRANCE WITHOUT EXAMINATION

High school graduates, college graduates, and those who hold the state certificate or indorsed first-grade certificate, will be admitted to the Two Years' Life Certificate courses without examination.

Students who have completed the first two years of an approved high school course and those who hold second-grade certificates will be admitted to the third year of the Normal High School under the general direction of the committee on the High School course.

Requirements for entering the Graded School course are the same as those in the Life Certificate courses.

Requirements for entering the Rural School courses are given in connection with the description of that work.

High school graduates and others who have taken one or more years in an approved school, should, on entering the Normal, bring a statement of their standing.

ENTRANCE WITH ADVANCE CREDITS

Advanced credit is allowed for work done in other normal schools and colleges to the extent to which the applicant's record shows that such work is the equivalent of courses offered in the Western State Normal School. Application for advanced standings, accompanied by credentials, should be made to the secretary of the Western State Normal School within two weeks of the time that a student first enters the Normal.
ACCEP TED HIGH SCHOOLS

At a meeting of the State Board of Education held at Lansing, Jan. 23, 1903, the following policy was adopted concerning the admission of students to the normal schools of Michigan:

1. All school work below the standard of graduation from the twelfth year of a system of public schools, having not less than thirty-six weeks of school per year, of which four full years are occupied with distinctively high school work, shall be considered preparatory to the Graded School and Life Certificate courses of the normal schools of the state, and when included in normal school courses, shall be designated as preparatory with reference to the regular normal school work.

2. All students regularly graduated from the twelfth year of public school systems in which four full years are devoted to high school work, with not less than two teachers fully employed in distinctively high school work, and whose term is not less than thirty-six weeks may be accepted into the regular Graded School, Rural School 1, and Life Certificate courses without examination.

3. All students who have finished not less than two years of high school work in a twelve-year course as herein outlined, may be admitted to the high school course in the normal schools on their record, receiving credit for the work they have finished beyond the first two years of high school work. When students have finished the preparatory work at the normal school, they shall be allowed to enter upon the regular one or two-year normal courses.

4. All students unable during the first term in the regular courses of the normal schools to maintain a fair standing, may in the discretion of the faculty in each case, be dropped from the rolls of the school, reduced to high school work, or required to repeat the course not satisfactorily completed on first trial; and in all such cases shall be reported back to the high schools from which they came, with the facts in each case, to the end that a standard may be set for the high schools of the state, and that the superintendents and principals of these schools may learn what our standard of admission is and take measures to prevent their pupils from coming to the normal schools without due preparation. Should successive cases of defective preparation be found to come from particular schools, the privilege of admission
without examination may, at the discretion of the faculty, be withdrawn from such schools.

5. Similar conditions for entrance may be made applicable to other than public schools from which pupils come to the normal schools when proper investigation shall have ascertained the rank or standing of such schools to be satisfactory.

NEW LAW REQUIRES PROFESSIONAL TRAINING

A law passed by the Legislature of Michigan in 1915 provided that after July 1, 1916, all beginning teachers in the public schools of Michigan must have completed not less than six weeks of professional training. Students graduating from Michigan high schools who are planning to teach may satisfy this requirement by attending the Western State Normal School and securing credits in subjects specified by the Superintendent of Public Instruction.

COUNTY NORMAL GRADUATES

Graduates from County Normal Training classes who are also graduates from approved high schools, are given credit in eight subjects on the Life Certificate courses in the several State Normal Schools. This will enable the above class of students to complete the Life Certificate courses in one year and two summer terms.

County Normal graduates who have graduated from approved high schools are given credit in six subjects in the Graded School and Rural I courses. County Normal graduates who have completed the tenth grade in approved high schools will be given a year of credit in Rural Course II, and in the High School courses.

CREDIT RELATIONS WITH THE UNIVERSITY OF MICHIGAN

1. Graduates of the Western State Normal School from any of the advanced courses leading to life certificates shall be given fifty-six hours' credit at the University of Michigan, provided:
   (a) That the work of said courses shall extend at least two years in advance of the approved high school.
   (b) That said graduates shall have met the entrance requirements of the University.
(c) That at least one year of the work presented by such graduates shall have been done at the Western State Normal School.

(d) That credits from other institutions accepted by the Western State Normal School toward graduation shall be subject to evaluation by the University.

2. Graduates of the Western State Normal School in the Life Certificate Courses who have done more than two years of work, may transfer their credits to the University of Michigan on an hour for hour basis, it being definitely determined by mutual agreement what normal courses are to receive University credit, provided, (a) that not more than ninety hours of credit may be given for three years of work at the Western State Normal School, and (b) that, if credit for extension work be included beyond the first two years of work, such credit shall be subject to an evaluation by the University.

REGISTRATION AND ENROLLMENT

The first day of each term is given to registration, payment of fees, and enrollment in classes. The student should first fill out the registration card, to be obtained at the office, present this card to the secretary, and on payment of the fees for the term, will receive a stamped enrollment card. This he will present to the chairman in charge of the enrollment card. This he will present to the chairman in charge of the enrollment card. This he will present to the chairman in charge of the enrollment for the course he wishes to pursue, arrange his studies for the term, and fill out the enrollment card.

To save time at the opening of each term, a student in residence the preceding term will arrange his studies and fill out the enrollment card on Monday and Tuesday of the eighth week of the term. The enrollment card will be returned stamped to the student on payment of fees.

The student will next present the enrollment card to each instructor, secure his signature, and return the card to the office. Instructors will be found in their recitation rooms during the hours for which classes are scheduled.

Having entered upon a course of study, the student is under the guidance of the chairman of that course, and must not change his course without the consent of this chairman and the chairman of the course he wishes to enter. After enrolling in a class, the
student must not leave the class without the consent of the chairman of his course, and should notify the instructor of his withdrawal from the class.

Students are urged to familiarize themselves with the requirements of the different courses of study, and consult the members of the Enrollment Committee. It is the business of the student to see that he meets all the requirements of the course of study in which he wishes a certificate.

Students taking the High School Life courses should consult the heads of the departments in which they expect to pursue their major and minor subjects.

As soon as possible after entering school, students should plan their work for the entire two years and confer with the person, or persons, in charge of their course concerning any matter relating to their work. Some courses are offered only once a year; hence care should be exercised so to formulate the schedule of studies for each term that all such subjects may be taken. A little foresight at the beginning of the first year will save possible embarrassment to students later in their course.

Students in the High School Life courses should pursue the subject in which they expect to do their practice teaching at least one term before the practice teaching begins.

EXTRA STUDIES

Students wishing to carry an extra study, and thus earn more than 48 weeks’ credit in any one term, must obtain the permission of the Committee on Extra Studies (page 13), which will be granted only on the recommendation of three members of the faculty. Application for an extra study is made by filling out an “Extra Study” card at the time of enrollment. No application for an extra study will be considered after the close of the first week of the term.

CERTIFICATES

A student expecting to receive a certificate of any kind at the end of the term should notify the secretary by the third week of that term in order that the case may be acted upon promptly by the proper authorities.
Certificates

The State Board of Education through the Western State Normal School grants teachers' certificates as follows:

A NORMAL LIFE CERTIFICATE

Requirements:
(a) Applicant must be at least eighteen years of age.
(b) Applicant must have completed one of the advanced courses of study offered in the Western State Normal School, which course shall require not less than two years of work in advance of the high school.

Duration and Validity:
The normal life certificate shall be valid for life in all schools of the state, provided a copy of the certificate shall have been filed in the office of the legal examining officer of the county or city in which the holder is to teach.

LIMITED CERTIFICATES

1. A GRADED CERTIFICATE

Requirements:
(a) Applicant must be at least eighteen years of age.
(b) Applicant must have completed a course of study requiring forty-two weeks of work, all of which is in advance of the high school.

Duration and Validity:
The graded certificate shall be valid in the schools of the state for three years, provided a copy of the certificate shall have been recorded in the office of the legal examining officer of the county or city in which the holder is to teach.

Renewal:
The graded certificate is not renewable.
2. A RURAL SCHOOL CERTIFICATE

Requirements:
(a) Applicant must be at least eighteen years of age.
(b) Applicant must have completed a course of study requiring forty-two weeks of work, all of which is in advance of the high school.

Duration and Validity:
The rural certificate shall be valid for three years in any school of the state up to the tenth grade, provided a copy of the certificate shall have been recorded in the office of the legal examining officer in the county or city in which the holder is to teach.

The rural certificate may be renewed for a period of three years.

EXTENSION CERTIFICATE

The Western State Normal was authorized in 1905 to grant extension life certificates to mature students who comply with the following conditions:

(1) Graduation from a high school.
(2) Six years of successful teaching.
(3) Completion of the following work under direction of the faculty of the Western State Normal:
   (a) Three summer terms in residence.
   (b) Two years of non-residence work,—either
      (1) Class work at a center within range of the school, or
      (2) Correspondence work under direction.

The object of the course is to meet the needs of those who otherwise would be deprived of opportunity for growth and advancement. Extra credits or substitutions for residence study on the basis of work done elsewhere are not accepted. Numerous students already have completed the Extension Life course.

Special announcements bearing on the workings of the Extension course will be mailed to those interested, if they address Prof. John C. Hoekje, Extension Director, Western State Normal School, Kalamazoo, Michigan.
Courses of Study

LIFE CERTIFICATE COURSES

The Western State Normal School offers the following advanced courses of study leading to the life certificate. Each course requires two years (36 weeks each) of work beyond the four years' high school. These courses are designed to prepare teachers for different grades and special kinds of public school work.

THREE YEAR'S WORK

Recent action of the State Board of Education authorizes the Western State Normal School to offer a third year of work beyond that required in the two years' life certificate courses. The University of Michigan agrees to give hour for hour credit for such work done in the Western State Normal School in approved courses of study beyond the requirements for the life certificate, provided that such credit shall not exceed ninety hours for three years of work. All students who enter the life certificate courses, and especially those who are preparing to teach in the high school, are urged to plan to continue their work for three years. By so doing they will be able to secure better positions and better salaries.

NOTES.—1. Seniors in the General Life course will enroll in the Early Elementary, Later Elementary, or Junior High School courses, and, in so far as possible, will arrange the remainder of their work to meet the requirements of these courses.

2. Seniors in the Kindergarten course will enroll in the Early Elementary course.

3. Physical Education (101, 102, 103, 104, and 105), Library Methods, and Penmanship are required of all students in the Life Certificate courses.
EARLY ELEMENTARY COURSE
Kindergarten and Grades I and II

Group I. Required.

Introductory Psychology 101........................................ 12 weeks
Educational Psychology 102......................................... 12 "
Child Study 103...................................................... 12 "
Principles of Teaching 101.......................................... 12 "
Teaching 101 and 102.............................................. 24 "
English Composition 101............................................ 12 "
Teachers' Art 102.................................................... 12 "
Early Childhood Education 101..................................... 18 "
Content of the Curriculum 102..................................... 18 "
Current Educational Problems 103................................ 12 "
Beginning Reading 104.............................................. 12 "
Primary Music 118................................................... 12 "

Group II. Elective. From this group students must elect 48 weeks.

Literature for Children 103......................................... 12 weeks
Biology 101............................................................ 12 "
Biological Nature Study 111........................................ 12 "
Story Telling 104.................................................... 12 "
Sociology 114.......................................................... 12 "
Hygiene 117............................................................. 12 "
Voice 102............................................................... 6 "
Games and Rhythms 105.............................................. 6 "

Group III. Elective.

A. Three consecutive units (36 weeks) in one subject.
B. Three units (36 weeks) at the pleasure of the student.

Note 1. Students who have not had Art 101 or its equivalent must elect it before taking Teachers' Art 102.

2. Physical Education (101, 102, 103, 104, and 105) Library Methods, and Penmanship are required of all students.
LATER ELEMENTARY COURSE
Grades III—VI.

Group I. Required.

- Introductory Psychology 101 ... 12 weeks
- Educational Psychology 102 ... 12 "
- Child Study 103 ... 12 "
- Principles of Teaching 101 ... 12 "
- Teaching 101 and 102 ... 24 "
- English Composition 101 ... 12 "
- Teachers' Art 102 ... 12 "
- Teachers' Music 106...
  
  101 or
  
  United States History 102 or 103 ...
- General Geography 101 ...
- Arithmetic 101 ...
- Reading 101 ...

Group II. Elective. From this group students must elect 48 weeks.

- Literature for Children 103 ...
- Biology 101 ...
  
  Biological 111
  or
  Nature Study Physical 107 ...
  or
  Chemical 108
- Story Telling 104 ...
- Sociology 114 ...
- Hygiene 117 ...
- Voice 102 ...
- Games and Rhythms 105 ...

Group III. Elective.

A. Three consecutive units (36 weeks) in one subject.
B. Four units (48 weeks) at the pleasure of the student.

Note.—Students who have not had Music 101 or Art 101, or their equivalents, must elect them before taking Teachers' Music 106, and Teachers' Art 102.

Note.—Physical Education (101, 102, 103, 104, and 105), Library Methods, and Penmanship are required of all students.
JUNIOR HIGH SCHOOL COURSE
Grades VII, VIII, and IX.

Group I. Required.

Introductory Psychology 101 ........................................ 12 weeks
Educational Psychology 102 ........................................ 12 "
Adolescence 104 ..................................................... 12 "
Principles of Teaching 101.......................................... 12 "
English Composition 101 ........................................... 12 "

Group II. Differentiated.

One major subject, consisting of from 48 to 84 weeks including 12 weeks teaching.

One minor subject, consisting of 48 weeks including 12 weeks teaching.

Two subjects (other than the major and minor) consisting of 36 weeks each.

The remaining units to be taken in groups of three or miscellaneous with the consent of the advisor.

Note.—Physical Education (101, 102 103, 104, and 105. Library Methods, and Penmanship are required of all students.
COURSES OF STUDY

SENIOR HIGH SCHOOL COURSE

Grades X, XI, and XII.

Group I. Required.

Introductory Psychology 101........................................ 12 weeks
Educational Psychology 102.......................................... 12 "
Adolescence 104........................................................... 12 "
Principles of Teaching 101............................................. 12 "
English Composition 101.............................................. 12 "

Group II. Differentiated.

MAJOR SUBJECT

Two Years' Course Three Years' Course

84 weeks including 12 weeks 84 to 120 weeks including 12 weeks teaching.

MINOR SUBJECT

48 to 84 weeks including 12 84 weeks including 12 weeks weeks teaching.

In so far as possible the remaining work should be taken in weeks teaching.

NOTE—Students who are looking forward to teaching in the consecutive courses of 36 weeks each, one of which must be in a subject not chosen as a major or minor.

NOTE—Physical Education (101, 102, 103, 104, and 105), Library Methods, and Penmanship are required of all students.
# ART COURSE

## FIRST YEAR

### Fall Term
- **Introductory Art (101)** .... 12
- **Art Observation (112)** .... 6
- **Introductory Psychology (101)** .... 12
- **Mechanical Drawing (108)** .... 12
- **Elective** .... 6
- **Physical Education (101)**

### Winter Term
- **Teachers' Art (102)** .... 12
- **Art Observation (113)** .... 6
- **Blackboard Sketching (109)** .... 6
- **Composition (101)** .... 12
- **Elective** .... 12
- **Physical Education (102)**

### Spring Term
- **Construction (103)** .... 12
- **Advanced Art (105)** .... 12
- **Principles of Teaching (101)** .... 12
- **Elective** .... 12
- **Physical Education (103)**

## SECOND YEAR

### Fall Term
- **Advanced Art (106)** .... 12
- **Applied Design (104)** .... 12
- **Elective** .... 12
- **Teaching (101)** .... 12
- **Physical Education (104)**

### Winter Term
- **History and Appreciation of Art (107)** .... 12
- **Educational Psychology (102)** .... 12
- **Teaching (102)** .... 12
- **Elective** .... 12
- **Physical Education (105)**

### Spring Term
- **Advanced Art (111)** .... 12
- **Course of Study in Art (114)** .... 12
- **Electives** .... 24

**Note.**—Students wishing to specialize in art, must have had a good course in public school art, at least in the grades, and high school work added if possible.

Entrance examination is required of students wishing to specialize in Art.

2. Library Methods and Penmanship required of all students.
ART AND MUSIC COURSE

FIRST YEAR

Fall Term
Introductory Art (101) ......... 12
Art Observation (112) ......... 6
Introductory Psychology (101) ............. 12
Elements of Music (101) ......... 6
Harmony (109) ............. 12
Physical Education (101)

Winter Term
Teachers' Art (102) ............. 12
Art Observation (113) ......... 6
Composition (101) ............. 12
Elements of Music (102) ......... 6
Harmony (110) ............. 12
Physical Education (102) ....

Spring Term
Advanced Art (105) ......... 6
Construction (103) ............. 12
Principles of Teaching (101) .... 12
Methods of Primary Grades (107) ............. 6
Harmony (111) ............. 12
Physical Education (103)

CHORUS AND GLEE CLUB or ORCHESTRA are required of all in this course.

Notes.—1. Students wishing to specialize in art and music must have had a good course in public school art in the grades, and if possible, high school work added.

2. Library Methods and Penmanship required of all students.

SECOND YEAR

Fall Term
Applied Design (104) ......... 12
Advanced Art (106) ......... 6
Teaching (101) ............. 12
Educational Psychology (102) ............. 12
Voice Culture (103) ......... 6
Physical Education (104)

Winter Term
History and Appreciation of Art (107) ............. 12
Teaching (102) ............. 12
Elective ............. 12
History and Appreciation of Music (113) ............. 12
Physical Education (105)

Spring Term
Course of Study in Art (114) ............. 12
High School Conducting (115) ............. 12
Voice Culture (104) ......... 6
Elective ............. 18

Notes.—1. Students wishing to specialize in art and music must have had a good course in public school art in the grades, and if possible, high school work added.

2. Library Methods and Penmanship required of all students.
# COMMERCIAL COURSES

## Regular Course

### FIRST YEAR

<table>
<thead>
<tr>
<th>Term</th>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fall Term</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bookkeeping (101)</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Commercial Arithmetic (108)</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Introductory Psychology (101)</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Composition (101)</td>
<td>12</td>
</tr>
<tr>
<td><strong>Winter Term</strong></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>Bookkeeping (102)</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Commercial Geography (109)</td>
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<td>Educational Psychology (102)</td>
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<td></td>
<td>Elective</td>
<td>12</td>
</tr>
<tr>
<td><strong>Spring Term</strong></td>
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</tr>
<tr>
<td></td>
<td>Bookkeeping (103)</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Economic History (111)</td>
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<td></td>
<td>Commercial Methods (110)</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Principles of Teaching (101)</td>
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### SECOND YEAR

<table>
<thead>
<tr>
<th>Term</th>
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<th>Credits</th>
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<tbody>
<tr>
<td><strong>Fall Term</strong></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>Accounting (104)</td>
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<tr>
<td></td>
<td>Shorthand and Typewriting (101)</td>
<td>18</td>
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<tr>
<td></td>
<td>Practice Teaching (101)</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Economics (112)</td>
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<td><strong>Winter Term</strong></td>
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</tr>
<tr>
<td></td>
<td>Accounting (105)</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Shorthand and Typewriting (102)</td>
<td>18</td>
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<tr>
<td></td>
<td>Commercial Law (106)</td>
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</tr>
<tr>
<td></td>
<td>Practice Teaching (101)</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Economics (113)</td>
<td>12</td>
</tr>
<tr>
<td><strong>Spring Term</strong></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>Commercial Law (107)</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Shorthand and Typewriting (103)</td>
<td>18</td>
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<tr>
<td></td>
<td>Commercial Correspondence (112)</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Practice Teaching (102)</td>
<td>12</td>
</tr>
</tbody>
</table>
Stenographic Course

FIRST YEAR

Fall Term
Shorthand and Typewriting (101) ..................24
Introductory Psychology (101)12
Composition (101) ...........12

Winter Term
Shorthand and Typewriting (102) ..................12
Commercial Geography (109) 12
Educational Psychology (116) 12
Elective .....................12

Spring Term
Shorthand and Typewriting (103) ..................18
Commercial Correspondence (112) ...........6
Commercial Methods (110) 12
Principles of Teaching (101) 12

SECOND YEAR

Fall Term
Bookkeeping (101) .............12
Shorthand and Typewriting (104) ..................12
Arithmetic (108) ............12
Economics (112) ............12

Winter Term
Bookkeeping (102) .............12
Shorthand and Typewriting (105) ..................6
Commercial Law (106) ........6
Practice Teaching (101) ....12
Economics (113) ............12

Spring Term
Bookkeeping (103) .............12
Commercial Law (107) ........12
Practice Teaching (102) ....12
Economic History (111) ....12

Note.—Physical Education (101-2-3-4-5), Library Methods, and Penmanship required of all students.
HOUSEHOLD ARTS COURSE

Group 1. Required.
Introductory Psychology 101 ........................................ 12 weeks
Educational Psychology 102 ........................................ 12 "
or
Child Study 103 .................................................. 12 "
Principles of Teaching 101 ........................................ 12 "
English Composition 101 ........................................ 12 "
Chemistry 101, 102, 103 ......................................... 36 "
Physiology 118 .................................................. 12 "
Introductory Art 101 ........................................... 12 "
Teaching 101-102 ................................................ 24 "

Group II. Differentiated.
A. Textiles and Clothing ......................................... 60 weeks
   Food and Cookery ........................................... 36 "
or
B. Textiles and Clothing ......................................... 36 "
   Foods and Cookery ......................................... 72 "

Group III. Elective.
A. Literature .................................................. 12 weeks
   History .................................................. 12 "
   Mathematics or Geography ................................ 12 "
B. The remaining units at the pleasure of the student.

Note.—Physical Education (101-2-3-4-5), Library Methods, and Penmanship required of all students.
MANUAL ARTS COURSE

Group 1. Required.

Introductory Psychology 101 .................................. 12 weeks
Educational Psychology 102 .................................. 12 "
Principles of Teaching 101 .................................. 12 "
English Composition 101 .................................. 12 "
Wood Shop 101 .................................. 12 "
Wood Shop 102 .................................. 12 "
Woodturning 104 .................................. 12 "
Mechanical Drawing 108, 109, 110 .................................. 36 "
Manual Arts 108 .................................. 12 "
Manual Training Art in Applied Design 110 .................................. 12 "
Millwrighting 107 .................................. 12 "
Pattern Making and Foundry 105 .................................. 12 "
History and Organization of Man. Training 113 .................................. 12 "
Teaching 101, 102 .................................. 24 "

Group II. Elective.

A. Three units (36 weeks) in the manual training department.
B. Four units (48 weeks) not in the manual training department.

Note.—Library Methods and Penmanship required of all students.
## MUSIC COURSE

### FIRST YEAR

#### Fall Term
- Elements of Music (101) ... 6
- Harmony (109) ............... 12
- Observation (116) ........... 6
- Composition (101) .......... 12
- History of Music (112) ...... 12
- Physical Education (101).

#### Winter Term
- Elements of Music (102) ... 6
- Harmony (110) ............... 12
- Introductory Psychology (101) 12
- Voice Culture (103) .......... 6
- History and Appreciation (113) ................. 12
- Physical Education (102).

#### Spring Term
- Methods: Primary Grades (107) ............... 6
- Harmony (111) ............... 12
- Principles of Teaching (101) 12
- Observation (117) ........... 6
- Elective .................... 12
- Physical Education (103).

### SECOND YEAR

#### Fall Term
- Musical Composition (114) ... 12
- Educational Psychology (102) . 12
- Teaching (101) ............... 12
- Methods: Grammar Grades (106) .................... 6
- Voice Culture (104) ........... 6
- Physical Education (104).

#### Winter Term
- Advanced Voice Culture .... 12
- Teaching (102) ............... 12
- *Musical Composition (126) . 12
- Elective .................... 12
- Physical Education (105).

#### Spring Term
- High School Conducting (115) 12
- *Musical Analysis (127) ... 12
- Elective .................... 24

Chorus and Glee Club or Orchestra are required of all in the Music course.

**Note.**—Library Methods and Penmanship required of all students.

* Or elective.
## PHYSICAL EDUCATION COURSE

### FIRST YEAR

#### Fall Term

<table>
<thead>
<tr>
<th>Course</th>
<th>Weeks</th>
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<tbody>
<tr>
<td>Psychology (101)</td>
<td>12</td>
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<tr>
<td>Anatomy (115)</td>
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<tr>
<td>Methods (110)</td>
<td>12</td>
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<td>Folk Dancing (111)</td>
<td>6</td>
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<tr>
<td><em>Physical Education (101).</em></td>
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#### Winter Term

<table>
<thead>
<tr>
<th>Course</th>
<th>Weeks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Educational Psychology (102)</td>
<td>12</td>
</tr>
<tr>
<td>Anatomy (116)</td>
<td>12</td>
</tr>
<tr>
<td>Aesthetic Dancing (112)</td>
<td>6</td>
</tr>
<tr>
<td>Swedish Theory and Practice (113)</td>
<td>6</td>
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<tr>
<td>Physical Education (103).</td>
<td></td>
</tr>
<tr>
<td>General Gymnastics (114)</td>
<td>6</td>
</tr>
<tr>
<td>Games and Rhythms (105)</td>
<td>6</td>
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</tbody>
</table>

#### Spring Term

<table>
<thead>
<tr>
<th>Course</th>
<th>Weeks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principles of Teaching (101)</td>
<td>12</td>
</tr>
<tr>
<td>Hygiene (117)</td>
<td>12</td>
</tr>
<tr>
<td>General Gymnastics and Aesthetic Dancing (117)</td>
<td>12</td>
</tr>
<tr>
<td>Swedish Theory and Practice (114)</td>
<td>6</td>
</tr>
<tr>
<td>Composition (101)</td>
<td>12</td>
</tr>
</tbody>
</table>

*Field Games, Tennis, and Swimming. 6 weeks credit per year.*

**Electives. Three units to be taken, one each term of the senior year. One in English, one in history, and one from geography or mathematics.

**Note.—Library Methods and Penmanship required of all students.**

### SECOND YEAR

#### Fall Term

<table>
<thead>
<tr>
<th>Course</th>
<th>Weeks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Games and Athletics (118)</td>
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<tr>
<td>Practical Diagnosis (119)</td>
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<tr>
<td>Domestic Science (First Aid)</td>
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<tr>
<td>Emergencies and Home Nursing (104)</td>
<td>6</td>
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<tr>
<td>Teaching (101)</td>
<td>12</td>
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<tr>
<td>General Gymnastics and Aesthetic Dancing (120)</td>
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<tr>
<td><strong>Elective</strong></td>
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#### Winter Term

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Applied Anatomy and Corrective Work (121)</td>
<td>12</td>
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<tr>
<td>Teaching (102)</td>
<td>12</td>
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<tr>
<td><strong>Elective</strong></td>
<td>12</td>
</tr>
<tr>
<td>General Gymnastics and Aesthetic Dancing (122)</td>
<td>6</td>
</tr>
<tr>
<td>Gymnasium Equipment (123)</td>
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<tr>
<td>Physical Education (104).</td>
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#### Spring Term

<table>
<thead>
<tr>
<th>Course</th>
<th>Weeks</th>
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</thead>
<tbody>
<tr>
<td><strong>Elective</strong></td>
<td>24</td>
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<tr>
<td>Playground Organization (123)</td>
<td>12</td>
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<tr>
<td><em>General Gymnastics (124).</em></td>
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<tr>
<td>Festival (106)</td>
<td>6</td>
</tr>
</tbody>
</table>
RURAL SCHOOL COURSE

Group 1. Required.

Introductory Psychology 101 ........................................ 12 weeks
Educational Psychology 102 ........................................ 12 "
Child Study 103  .................................................. 12 "

or ................................................................. 12 "

Adolescence 104
Principles of Teaching 101 ........................................ 12 "
Teaching 101, 102 .................................................. 24 "
Beginning Reading 104 .............................................. 12 "
English Composition 101 ............................................ 12 "
Literature for Children 103 ........................................ 12 "
Arithmetic 101 ..................................................... 12 "
General Geography 101 ............................................. 12 "

\[
\begin{align*}
\text{History U. S.} & \begin{cases} 
101 \text{ or } \\
102 \text{ or } \\
103 
\end{cases} \\
\text{Hygiene 117} & .................................................. 12 " \\
\text{Household Arts 114} & ........................................ 12 " \\
\text{Shop Work 101} & ............................................. 12 " \\
\text{Teachers' Art 102} & ............................................ 12 " \\
\text{Teachers' Music 106} & ........................................ 12 " \\
\text{Rural Education 101, 102, 103} & ........... 36 " \\
\end{align*}
\]

Group II. Elective. Students must elect two units from this group.

\[
\begin{align*}
\text{Nature Study} & \begin{cases} 
\text{Physical 107 or} \\
\text{Chemical 108} 
\end{cases} \\
\text{Biological 111 or} \\
\text{County Normal Training Problems 117} & ........................................ 12 " \\
\text{Story Telling 104} & ............................................. 12 " \\
\text{Elements of Music 101} & ........................................ 12 " \\
\text{Introductory Art 101} & ............................................ 12 " \\
\text{Games and Rhythms 105} & \\
\text{and} & .................................................. 12 " \\
\text{Voice 102} & 
\end{align*}
\]
Group III. Elective. Three consecutive units in one subject.

Notes.—1. The three units in Rural Education will consider administration, industrial, and social problems in one unit for each.

2. Principles of Teaching and one unit of teaching will be reserved by classes for students in this course in order that the specific needs of the situation into which they are going for service may be given the necessary attention.

3. Students who do not bring one year's work in Agriculture from high school must elect agriculture for the three consecutive units in Group III.

Note.—Physical Education (101-2-3-4-5), Library Methods, and Penmanship required of all students.
LIMITED CERTIFICATE COURSES

The Graded Course and Rural Course I each requires a year and a summer term of work beyond the four years' high school, and leads to a limited certificate described on pages 41 and 42.

Note.—Physical Education (101, 102, and 103), Library Methods, and Penmanship are required of all students in Limited Certificate Courses.

GRADED CERTIFICATE COURSE

Group 1. Required.

Introductory Psychology 101 ........................................ 12 weeks
Principles of Teaching 101 ........................................ 12 "
Teaching 101 .......................................................... 12 "
Introductory Art 101
    or ................................................................. 12 "
Teachers' Art 102
Elements of Music 101
    or ................................................................. 12 "
Teachers' Music 106
Beginning Reading 104
    or ................................................................. 12 "
Reading 101
Arithmetic 101 .......................................................... 12 "
General Geography 101 .............................................. 12 "
History U. S., 101, 102, or 103 ........................................ 12 "

Group II. Elective. Elect five units (60 weeks) from the following courses:

Literature for Children 103 .............................................. 12 weeks
    Biological 111 or
Nature Study
    Physical 107 or .............................................. 12 "
    Chemical 108
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Hygiene 117</td>
<td>12</td>
</tr>
<tr>
<td>Story Telling 104</td>
<td>12</td>
</tr>
<tr>
<td>Content of the Curriculum 102</td>
<td>18</td>
</tr>
<tr>
<td>Voice 102</td>
<td>6</td>
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<tr>
<td>Games and Rhythms 105</td>
<td>6</td>
</tr>
<tr>
<td>English Literature 110</td>
<td>12</td>
</tr>
<tr>
<td>Rural Sociology 113</td>
<td>12</td>
</tr>
<tr>
<td>Composition 101</td>
<td>12</td>
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</tbody>
</table>
RURAL SCHOOL COURSE I

Group I. Required.

Introductory Psychology 101 ........................................... 12 weeks
Principles of Teaching 101 ........................................... 12 "
Teaching 101 ......................................................... 12 "
Beginning Reading 104 ............................................... 12 "
Art 101 or 106 ......................................................... 12 "
Music 101 or 106 ....................................................... 12 "
Household Arts 114
or ............................................................. 12 "
Shop Work 101
*Agriculture 123, 124, 125 ........................................... 36 "
Rural Sociology 113 ..................................................... 12 "

Group II. Elective. Students must elect three units from this group.

Arithmetic 101 ................................................................. 12 weeks
Literature for Children 103 ........................................... 12 "
Composition 101 ......................................................... 12 "
General Geography 101 ................................................... 12 "

\[
\begin{align*}
\text{History U. S.} & \quad 101 \text{ or } 102 \text{ or } 103 \\
\end{align*}
\]

Hygiene 117 ................................................................. 12 "
Story Telling 104 ......................................................... 12 "
Voice 102 ................................................................. 12 "

\[
\begin{align*}
\text{Biological 111 or Nature Study} & \quad \text{Physical 107 or } \\
\text{Chemical 108} & \\
\end{align*}
\]

*Students who bring a year's credit in Agriculture from high school must take Rural Education 102, one unit, and such students must elect five instead of three units from Group II, foregoing.
RURAL SCHOOL COURSE II

Students may enter this course upon the completion of three years of high school work or its equivalent. The required subjects are:

Psychology 1 ......................................................... 12 weeks
Principles of Teaching 1 ............................... 12 "
Teaching .............................................................. 12 "
Agriculture 23, 24, 25 ........................................ 36 "
Rural Sociology 113 ................................................. 12 "
Music 1 ................................................................. 12 "
Art 1 ................................................................. 12 "
History U. S. and Civics 10, 11, 12 ............................ 36 "

Notes.—1. Students who have had equivalents of any of these units may elect from this group:

Arithmetic 1 ......................................................... 12 weeks
General Geography 101 ............................................. 12 "
Beginning Reading 104 ............................................. 12 "
Household Arts 114
   or ................................................................. 12 "
Shop Work 101

Note 2.—The total credit in this course is the same as that required for high school graduation. In no case may subjects taken in this course be used to reduce the total number of units required for graduation in any other certificate granted by this school.

Note 3.—A limited certificate good in one, two, or three room schools is granted on completion of this course.
Details of Departments

ART

MISS GOLDSWORTHY

*MISS JUDSON
MISS STEVENSON

101. Introductory Art. A course in art for students who have not had work in art in the grades or who are lacking in the ability to express form in drawing and painting. The course consists of drawing and painting nature forms, principles of perspective as expressed in simple type forms, principles of design as expressed in simple borders, surface coverings and printing, picture study and blackboard sketching. Elective. 12 weeks' credit. Fall, winter, and spring terms.

MISS GOLDSWORTHY
MISS SPENCER, MISS STEVENSON

102. Teachers' Art. A course of study will be planned with the students covering the grades in which the students are preparing to teach. Practice lessons will be given by students before the class. All students will be required to do some practice teaching in art in the Training School. Required in Early and Later Elementary courses. 12 weeks' credit. Fall, winter, spring, and summer terms.

MISS GOLDSWORTHY
MISS SPENCER, MISS STEVENSON

103. Construction. This course includes the various problems in hand and woodwork applied to all grades. Paper and cardboard construction work, weaving basketry, clay-modeling, book-making, book-binding, and other household art problems are included in this course. 12 weeks' credit. Fall, winter, spring, and summer terms.

MISS SPENCER

Note.—This course is open to students without previous art work, and is of greatest importance to the grade teacher.

104. Applied Design. This course includes the study of the principles of pure design as expressed in line, dark and light, and color, leading to the application of these designs in stenciling, block

* Absent on leave 1917-18.
printing, leather, and metal work. This course is open to students as an elective following Art 101 and 102 or their equivalents. 12 weeks’ credit. Fall, winter, spring, and summer terms.

MISS STEVENSON

105. Advanced Art. This course continues the work in pictorial and decorative composition, commenced in Art 101 and 102, with more advanced problems from nature, and landscape subjects. Outdoor sketching will be a feature of this course. 12 weeks’ credit. Spring term.

MISS GOLDSWORTHY

106. Advanced Art. Problems in advanced perspective found in still life studies. A course in poster making and pen and ink studies to be used for “Brown and Gold.” Fall term. 12 weeks’ credit.

MISS GOLDSWORTHY

107. History and Appreciation of Art. This course includes the story of art throughout the ages, commencing with Egyptian, Assyrian, Greek, and Roman, in architecture, sculpture, and painting, followed by a review of renaissance and modern art. It will be illustrated by a large collection of pictures. Illustrated note books are a feature of this course. 12 weeks’ credit. Winter term.

MISS GOLDSWORTHY

108. Manual Arts. Art students in a Manual Arts course need the ability to perceive form and express it correctly. Free hand sketching from forms in nature as a basis for work in decorative design to be applied to objects made in the shops and in the second term in applied design, is followed by free hand perspective problems in drawing from objects and machinery, illustrating the principles of cylindrical and rectangular perspective. Problems in household arts are also included in this course. Mediums used are pencil, colored crayons, blackboard, and water color. 12 weeks’ credit. Fall term.

MISS GOLDSWORTHY

109. Blackboard Sketching. This course gives attention to free sketching on the blackboard with the purpose of illustrating other school subjects, nature study, in plant, animal, and figure work. Use of blackboard is demonstrated to illustrate special occasions: Thanksgiving, Christmas, Valentine Day, Easter, etc. The making of calendars for each month and practice in printing are included in this course. Open to all students who have had Art 101. 6 weeks’ credit. Winter term.

MISS GOLDSWORTHY
110. **Manual Training Art in Applied Design.** This course includes the study of pure design, the study and application of principles bearing on structural design and structural enrichment in wood-turning, cabinet-making, metal, and leather. Practice is given in the use of pencil, ink, and color wash for design purposes. 12 weeks' credit. Winter term. 

MISS STEVENSON

111. **Advanced Art.** Household art consisting of a study of planning and furnishing the home, illustrated by making models in miniature. 12 weeks' credit. Spring term. 

MISS GOLDSWORTHY

112. **Art Observation.** Special students in art or art and music are requested to observe the work in art as taught in the Training School in all grades as their programs permit. Illustrated note books are a feature of this course. A weekly conference will be held with the class. 6 weeks' credit. 

MISS GOLDSWORTHY

113. Continuation of work outlined under Art 112. 6 weeks' credit. 

MISS GOLDSWORTHY

114. **Course of Study.** This includes a study of the leading systems of public school art and the making of an illustrated course of study for all grades in the public schools, both elementary and high schools. 12 weeks' credit. Spring term. 

MISS GOLDSWORTHY

115. **Advanced Design.** Problems in applied designs to household arts and costume design. 12 weeks' credit. Third year. Fall term. 

MISS STEVENSON

116. **History of Art.** Special study of modern masters in painting, sculpture, and architecture. Special thought for a course in picture study for the grades. 12 weeks' credit. Winter term. 

MISS GOLDSWORTHY

117. **Advanced Art.** Figure work is the special feature of this course, working from the model in pictorial and decorative treatment leading to poster work and commercial art problems. 12 weeks' credit. Spring term. 

MISS GOLDSWORTHY
The following sequence of courses, 101-109, is especially planned to meet the needs of those students who contemplate the teaching of the biological sciences or who desire a biological foundation in anticipation of medical work. Major students must satisfactorily complete courses 101-103 and 104-106, or 107-109. Minor students are required to take course 101-103. Major students must consult with the head of the department before completing their registration.

101. Fundamentals of Biology. This course is introductory and is planned to present the great fundamental truths of biology to the end that the student may acquire the biological point of view which is an essential desideratum in modern educational, sociological, and ethical considerations. An effort will be made to develop in the student the scientific attitude of mind. Evolution, heredity, and eugenics receive special treatment. Offered each term. 12 weeks' credit. DR. HARVEY

102. Animal Biology. A brief consideration of the animal kingdom. Laboratory study of a series of selected types. 12 weeks' credit. Winter term. DR. HARVEY

103. Plant Biology. A brief introduction to the plant kingdom. Laboratory study of a series of selected types. Offered in the spring term. 12 weeks' credit. DR. HARVEY

104-105-106. Zoology. A general consideration of the structure, evolution, and environmental relations of animals. Representative types of each phylum of the animal kingdom are studied in the laboratory; lectures and field work complete the course. Not offered in 1917-18. 36 weeks' credit. Fall, winter, and spring terms. MR. PLACE

107-108-109. General Botany. A broad survey of the systematic, morphological, physiological, ecological, and economic aspects of the plant world. Laboratory and field work. 36 weeks' credit. Fall, winter, and spring terms. DR. HARVEY

111. Biological Nature Study. The purpose of this course is to present the ideals and methods of nature study, to acquaint
the student with available materials, and to give him a grasp of
the literature of the subject. School gardens receive attention.
Seasonal phenomena of plant and animal life are treated. Field
and laboratory work are devoted to identification and ecology of
our common plant and animal forms with special stress on tree,
bird, flower, and insect study. 12 weeks' credit. Fall, spring, and
summer terms.

115. Anatomy. This course aims to give the student a clear
and definite knowledge of the structure of the human mechanism.
Lectures and text-books are supplemented by a complete mam-
malian dissection. 12 weeks' credit. Fall term. MR. PLACE

116. Anatomy. A continuation of course 115, which is a pre-
requisite. 12 weeks' credit. Winter term. MR. PLACE

117. Hygiene. The factors of both personal and social hygiene
are considered, with especial emphasis on the causes of ill-health
and disease, and their control and prevention. 12 weeks' credit.
Spring term. DR. HARVEY

118. Physiology. This course is an advanced consideration
of the physiology of the human mechanism. Lectures and text-
book are supplemented by laboratory work. 12 weeks' credit. Win-
ter term.

119. Field Biology. Arranged to meet the demands of any
who may desire special work along this line. Such a course will
embrace the detailed study, under direction, of some habitat or
region, or of some group of plants or animals. Collections and re-
ports are required. The credit is determined by work done.
DR. HARVEY, MR. PLACE

120. Organic Evolution. The main purpose of this course is
to present to the general student a comprehensive introduction to
our present-day knowledge of the factors and phenomena of or-
ganic evolution to the end that he may acquire a philosophy of
nature and a recognition of man's place in nature as a basis of
thought and action. No prerequisite required. 12 weeks' credit.
Fall term. DR. HARVEY

121. Heredity. This course is devoted to a more detailed study
of the factors of evolution, which were only briefly treated in
course 120, with special emphasis upon variation and heredity. The
attempt is to give the student a grasp not only of the principles
involved, but of the problems and the methods of investigation. Biology 120 is a desirable prerequisite. 12 weeks' credit. Winter term.

122. **Bio-Sociology.** Courses 120 and 121 naturally lead to the content of this course. A study is made of those fundamental biological doctrines which are essential to an understanding of the social organism as a biological product. The biological laws determinative of the origin and evolution of society are especially emphasized and a natural basis for ethics and religion is developed. An outline for a rational control of the future evolution of society completes the course. 12 weeks' credit. Spring term.

DR. HARVEY

123-124. **Elementary Agriculture.** (a) A study of the different types of cattle, horses, sheep, swine, and important breeds of poultry. The care of milk, separation of cream, and the Babcock test will be considered. A study of field crops, emphasizing harvesting and seed selection. (b) A study of soils, dealing with properties of soil, drainage, ventilation, etc. Discussions on tillage and fertilizers with direct application to local crops. A study of the structure, functions and hygiene of the human body. 24 weeks' credit. Fall and winter terms.

MISS ELLETT

125. **Agricultural Nature Study.** A consideration of the common native birds, weeds, and insects with particular attention to their relation to agriculture. Identification of spring flowers. A study of trees with particular attention to the farm wood lot. Discussions of plant diseases and their control. 12 weeks' credit. Spring term.

MISS ELLETT

**CHEMISTRY**

DR. McCracken

101-2-3. **General Chemistry.** This course is required of all students majoring in chemistry, and may be taken by those desiring a one-year credit in the subject. Previous training in the subject is desirable, but not required. It is required for entrance to all other courses in chemistry except 108. Laboratory work is required. Text-book used, Alexander Smith's "General Chemistry for Colleges." 36 weeks' credit. Fall, winter, and spring terms.

DR. McCracken
104. **Qualitative Analysis.** Tests for metals. Lectures and laboratory work. Required of students majoring in chemistry. May be elected by others. Courses 101-2-3 are a prerequisite to this course. Text-book, Stieglitz's "Qualitative Chemical Analysis." 12 weeks' credit. Fall term. DR. McCracken

105. **Qualitative Analysis.** Tests for acid radicals and analysis of unknowns. Requirements and text-book same as for 104. 12 weeks' credit. Winter term. DR. McCracken

106. **Quantitative Analysis.** Lectures and laboratory work. Required of students majoring in chemistry. Prerequisites: Courses 101-2-3-4-5. May be elected by those prepared to take it. 12 weeks' credit. Spring term. DR. McCracken

107. **Quantitative Analysis.** This is a continuation of course 106, and has the same requirements. 12 weeks' credit. DR. McCracken

108. **Chemical Nature Study.** This is a nature study course. A study will be made of oxygen, nitrogen, carbon, chlorine, sulphur, hydrogen, etc., and some of the more common and important compounds occurring in nature and the arts. The attempt will be made to show how these things may profitably be introduced to children in the grades. While some knowledge of chemistry is desirable, it is not required of those taking the course. 12 weeks' credit. Winter and spring terms. DR. McCracken

109-110. **Organic Chemistry.** If there are enough students prepared to take this course, who desire to do so, an effort will be made to accommodate them.

111. **The Teaching of Chemistry.** In this course the history of the subject of chemistry will be presented, the content of the course discussed and emphasis laid upon the laboratory presentation of the subject. Classroom demonstrations and laboratory equipment will also be given a prominent place. Courses 101-2-3 must precede this course. Required of all specializing in chemistry, 12 weeks' credit. Fall term. DR. McCracken

112. **Inorganic Preparations.** A course in the preparation of inorganic compounds. Prerequisite courses: 101-2-3, 104, 105, 106. Elective. 12 weeks' credit. DR. McCracken

113. **Household Chemistry.** This course is for household arts students only. Prerequisite, an elementary course in general chem-
Students who have had no chemistry will, for the present, take 101-2 and then enter this course. Required in Household Arts Life Certificate course. 12 weeks' credit. Spring term. DR. McCracken

Students specializing in chemistry for three years must take courses 101-2-3, 104, 105, 106, 110 and elect from the other courses offered enough to fill out their requirements.

Two year students specializing in chemistry must take 101-2-3, 104, 105, 106, 110.

COMMERCE

MR. LorING

Students in other departments who elect shorthand or typewriting or both must take three courses in order to secure credit. In bookkeeping a minimum of two courses is required for credit.

101. Bookkeeping. The general principles of debit and credit trial balances, subsidiary journals, the simple statement, account classification and analysis and special drill on negotiable paper are considered in the first course. Required. 12 weeks' credit. Fall and summer terms. MR. LorING

102. Bookkeeping. A continuation of Course 101. In addition to the usual drill, the following topics are treated: partnerships, controlling accounts, various columnar books of original entry, balance sheets, revenue statements, reserves, an economic discussion of merchandise discounts, and some simple problems in accounting. Prerequisite, 101. Required. 12 weeks' credit. Winter term. MR. LorING

103. Bookkeeping. An advanced course in bookkeeping presented through the medium of corporation accounts. The following subjects are considered: capital stock, subscriptions, legal aspects of corporations, opening and closing entries peculiar to corporations, consignments and commissions, dividends, surplus, reserve, sinking fund and investment accounts. Prerequisite, 102. Required. 12 weeks' credit. Spring term. MR. LorING

104. Accounting. The construction and analysis of accounting systems and particular accounts. The following topics indicate, in
a general way, the nature of the course. The mathematics of depreciation, bond issues and redemptions, advanced forms of final statements, distinctive corporate accounts, combinations, consolidated balance sheets, statement of affairs and deficiency accounts, and realization and liquidation accounts. Elective. Prerequisite, 103. 12 weeks' credit. Fall term. 

MR. LORING

105. Accounting. Costs. A study of the cost systems of manufacturing concerns. In addition to the presentation of cost records and their relation to general account system, various methods of indirect expense and wage distribution will be taken up. Elective. Prerequisite, 104. 6 weeks' credit. Winter term. 

MR. LORING

106. Commercial Law. An effort is made in this, and in the following course, to present the widest range of business law that can be adequately covered in 18 weeks. The following subjects are studied: contracts, agency and service, personal and real property, business associations, insurance and negotiable contracts. Required. 6 weeks' credit. Winter and spring terms. 

MR. LORING

107. Commercial Law. A continuation of 106, to give a total of 18 weeks' credit. Prerequisite, 106. 12 weeks' credit. Spring term. 

MR. LORING

108. Commercial Arithmetic. This course is not a study of the science of quantity, but an arithmetical study of business processes, and it is taken up from that angle. After a few lessons on fundamental processes and units of measure, we take up trading activities such as commercial discounts, recording purchases and sales, collections, payments, personal and merchandise accounts, inventory, gross trading profit, interest, savings bank, contract purchases and installments, bank discounts, wages and payrolls, depreciation, advertising, insurance, taxation, proprietorship, net profit, factory cost, tabulation of sales, consignments and farm records. Required. 12 weeks' credit. Fall term. 

MR. LORING

109. Commercial Geography. A study of the commerce of the world as affected by geography. Topics: Concrete studies of industrial processes of the United States—the crops of the United States. Salient features in the commerce of foreign nations with special attention to Canada and South America. Classification of
political groups as to development. The law of trade. The laws governing location and centralization of industries and principal trade routes of the world. Required. 12 weeks' credit. Winter term.

110. **Methods of Commercial Teaching.** Pedagogical basis of value of various studies classified as commercial. Methods of attack are considered in detail in each subject. The high school curriculum is discussed with reference to educational and vocational value. Courses of study are considered. Required. 12 weeks' credit. Spring term. 

**MR. LORING**

111. **Economic History.** A study of economic and industrial progress from 1790, taken up from a study of such topics as Domestication and Growth of the Factory System, Industrial Combination, Currency and Banking, Agriculture, North and South, A Study of Transportation. Text, Bogart's "Economic History." Supplementary readings from economic and historical sources. Required. 12 weeks' credit. Spring term.

**MR. LORING**

101. **Shorthand.** The work begins with practice of vowel sounds and shorthand penmanship drills. As each lesson in the manual is presented, additional work from Gregg Progressive Exercises and Gregg Writer is given. Every student must receive the Primary Theory Certificate before the close of the term. Required. 12 weeks' credit. Fall term.


103. **Shorthand.** A continuation of 102. During this term, the shorthand manual is completed. Students must receive Complete Theory Certificate. Required. Prerequisite, 102. 12 weeks' credit. Spring term.

104. **Shorthand.** After a thorough review of the principles in the shorthand manual, varied dictation is given. Students must be able to write a minimum of eighty words before the close of the term. Elective. 6 weeks' credit. Fall term.

105. **Shorthand.** Dictation of increasing difficulty covering speeches, sermons, legal forms and testimony is given. Elective. 6 weeks' credit. Winter term.
101. **Typewriting.** During this term the student should become thoroughly familiar with the keyboard. Emphasis is placed on correct habit formation from the beginning. Rhythm drills form an interesting phase of the work. 6 weeks' credit. Fall term.

102. **Typewriting.** A continuation of 101. This term's work consists in preparing definite assignments from the typewriting manual. Rhythm drills are continued. Required. 6 weeks' credit. Winter term.

103. **Typewriting.** A continuation of 102. During this term the student is introduced to the speed element of typewriting. Every student must receive the Primary Certificate with a minimum of twenty-five words. Required. 6 weeks' credit. Winter term.

104. **Typewriting.** During this term the students are instructed in manifolding, tabulating, billing, legal forms. Transcription of shorthand notes occupies a major portion of the time. Elective. 6 weeks' credit. Spring term.

105. **Typewriting.** Special emphasis is placed on speed in typewriting during this term. Students are required to write a minimum of sixty words. Elective. Must be taken with Shorthand 105. No credit. Winter term.

101a. **Farm Accounting.** Principles similar to those taught in Bookkeeping 101 are first taken up. Later applications are made to the problems of farm accounts. 12 weeks' credit. Summer term.

101b. **Household Accounting.** The first half of the course will be taken with students in 101a. The later applications will be based upon the problems of household expense. 12 weeks' credit. Summer term.

101c. **General Business.** The following course is recommended for those teachers who desire a knowledge of the rights and responsibilities of the ordinary citizen in his relations to the business world. The arithmetical and legal phases of the subject will receive special attention. 12 weeks' credit. Summer term.

112. **Commercial Correspondence.** The course is offered twice a week. It includes the study of various types of business letters. Topics considered are: Letters of Information, Orders, Acknowledgments, Adjustments, Credit, Collection, Follow-up, Sales, Application, Filing Correspondence, Telegrams and legal aspects of correspondence. Required. 6 weeks' credit. Spring term.

MR. LORING
EARLY ELEMENTARY EDUCATION
(KINDERTAGEN—FIRST AND SECOND GRADES)

MISS GAGE
MISS KERN
MRS. CAMPBELL
MISS BALLOU

This new department is planned to prepare teachers of children from four to eight years of age, and is offered in response to a growing recognition that the training of teachers in kindergarten and primary education is a common problem, with common aims and purposes. The gap heretofore has rested in the form of school organization, not in the child himself. Students in this department will be prepared to teach in kindergarten, first, and second grades.

101. Early Childhood Education. A fundamental course planned primarily to acquaint students with childhood—its impulses, instincts, interests, together with attendant activities—play and work. Specific studies of children in play and work situations by means of observation and reminiscences will be required in addition to stated readings, reports, and class discussion. The course offers a working basis for, and runs parallel with "Content of Curriculum 102." Required in Early Elementary course. 18 weeks' credit. Fall, winter, and spring terms. MISS GAGE

102. Content of the Curriculum. This course aims at a psychological presentation of the subjects of the curriculum of the kindergarten and first two grades. It will center largely around industry, history, and civics and will include a consideration of the social needs for subject-matter; the organizing of materials and problems according to the mental development of the child; and a limited study of the specific subjects of the curriculum in their more logical development, including forms of handwork, nature study, language, arithmetic, etc. This course is based upon and runs parallel with "Early Childhood Education 101." Required in Early Elementary course. 18 weeks' credit. Fall, winter, and spring terms. MISS KERN

103. Current Educational Problems. This course presupposes a familiarity with general educational principles. The purpose of this course is to test out these principles and apply them to early elementary practice problems. A comparative study of mod-
ern theorists and types of modern schools will form the basis of further discussion for evaluation. Required in Early Elementary course. 12 weeks' credit. Senior year. Spring term.

MISS GAGE

104. Beginning Reading. This course is centered around the aims, subject-matter, and methods of the reading work of the first three grades. A study is made of kindergarten activities, which may be used as a basis for beginning reading. The question of method is considered next with special emphasis on some of the most used methods, such as Aldine, Beacon, Merrill, Gordon. An effort is made to show how reading may be made a continuous outgrowth of childhood experience. Choice of material is considered from the mechanical and psychological point of view. Required in Early Elementary course. 12 weeks' credit. Fall, winter, and spring terms. MISS BALLOU, MRS. CAMPBELL

105. Games and Rhythms. A study of physical activities of children will be made beginning with the earliest and crudest forms of expression and moving toward the more highly organized types of movement in rhythms and games. Consideration will be given to mood, characterization, and plot, and to their relationship. The aim is to have the student sense the importance of losing self in play, as well as to gain ability in constructing games and dances for children in kindergarten and primary grades. Elective. 6 weeks' credit. Winter term. MISS GAGE, MISS KERN

106. Observation and Standards. This course will include observation of lessons in the elementary school with special emphasis upon the kindergarten and first two grades. Standards for judging instruction will be considered. The course will be open to seniors only, as some experience in practice teaching is considered prerequisite for understanding and appreciation. Elective. 12 weeks' credit. Spring term. MISS KERN
ENGLISH

MR. SPRAU  
MISS RAWLINSON

Except in cases where specific English courses are required, all students should plan and select their English work under the direction and with the advice of the English faculty.

101. **Composition.** A study of word usage, the sentence, and the paragraph, with critical work in punctuation, general manuscript details, and proofreading. Formal study in exposition. Several detailed outlines for original expositions of some length are required, and at least one complete essay of approximately 1,000 words. Individual consultation and criticism on all written work. Since the chief aim of the course is to stimulate genuine thinking, and to cultivate an appreciation of style, some time is given to the careful reading and analysis of representative prose selections. Required in Life Certificate courses. 12 weeks' credit. Fall, winter, spring, and summer terms.

MISS RAWLINSON

101b. **Composition.** A continuation of 101. Special emphasis on description, narration, and argument. Junior elective. 12 weeks' credit.

102. **History of English Literature.** A general survey of the whole field of English literature with wide reading in biography and representative selections from the various periods.
   A. From the beginning to Shakespeare. Fall term.
   B. From Shakespeare to the close of the 18th century. Winter term.
   C. From the close of the 18th century to the present. Spring term.

Students electing this course must plan to take it throughout the year. Junior elective. 36 weeks' credit.

103. **Literature for Children.** This course aims: (1) to give a general survey of the field of literature suited to the needs and tastes of children; (2) to get at the general principles which underlie the selection of literature for children under any given conditions; (3) to organize and give new meaning to the mass of suitable literature already read, and to add largely to its content by further reading. While this is primarily a course in literary ma-
104. Teachers' Grammar. The aim of the course is to help the prospective teacher to an independent mastery of the subject of English grammar. The English sentence, word order, parts of speech, and inflection are thoroughly studied. Special attention is given to the more abstract and difficult principles of grammar that clearness of conception may be assured. Much time is devoted to practical application and testing of devices and methods usually used in teaching the subject. Junior elective. 12 weeks' credit.

105a. Nineteenth Century Prose. A study of non-fiction prose of the nineteenth century. Selections from Coleridge, Lamb, Hazlitt, De Quincey, Landor, Newman, Carlyle, Ruskin, and Arnold are studied in class. In addition to library reading, each student writes several papers on subjects suggested by the course. Senior and third year elective. 24 weeks' credit. Fall and winter terms.

105b. Literary Criticism. It is the purpose of this course to develop in the student a sound critical judgment and to cultivate the habit of careful criticism. Fundamental principles of literary criticism are carefully studied, supplemented with wide reading in English critical essays. Each student writes at least two long criticisms. While 105 is a consecutive course, with the consent of the instructor, students may elect 105b without having taken 105a if they can offer a satisfactory equivalent in literature. Senior and third year elective. 12 weeks' credit. Spring term.

MR. SPRAU

Note.—English 105 and 109 are offered in alternate years. In 1917-18, English 105 will be offered.

106. Anglo-Saxon. The purpose of the course is to give the student some acquaintance with Old English grammar and Old English forms as a foundation for more thorough study and understanding of Modern English, and to give him a clearer conception of early English literature. Bright's "Anglo-Saxon Reader" is used as a text, supplemented with wide reading in translation from early English literature, and in the history of the period. Re-
quired of students who major in English in the Senior High School Life Certificate course. Elective for all other seniors and third year students. 18 weeks' credit. Fall and winter terms.

MR. SPRAU

107. Chaucer. As much as possible of Chaucer's poetry is read in the original with special attention to pronunciation, grammar, and meter. The life and time of Chaucer are carefully studied as an aid to the interpretation of his poetry. A generous amount of reading in the literature of the Middle English period is usually required. Required as 106. With the consent of the department, other courses may be substituted for 106 and 107. 18 weeks' credit. Winter and spring terms.

MR. SPRAU

108. The Teaching of English. Lectures, discussions, reports, and theses on the aims and methods in the teaching of English in the public schools. 12 weeks' credit. (Omitted in 1917-18.)

SEVERAL MEMBERS OF THE ENGLISH FACULTY

109a. Tennyson and Browning. As much as possible of the writings of these men will be read, supplemented by interpretative lectures on the main currents of thought of the century as it found artistic expression in English poetry. Senior and third year elective. 24 weeks' credit. Fall and winter terms.

MR. SPRAU

109b. Contemporary Literature. It is the aim of this course to give the student some acquaintance with the better things in literature during the last twenty years, and to help him choose his reading with more critical discrimination. With the consent of the instructor, students may take any term of 109 without the others, but when it is at all possible they are urged to take the full year's work. Senior and third year elective. Spring term.

MR. SPRAU

NOTE.—In 1917-18 only one half of 109a will be given in the spring term. It follows the second term of Shakespeare. Regularly 109 is offered in alternate years with 105.

110. English Literature. In this course an attempt is made to introduce the student to the general field of literary study and to develop in him some skill in critical interpretation. The typical forms of literature are carefully studied and different ways of ap-
proaching the subject considered. The course is intended to be a foundation for further study of literature. Junior elective. 12 weeks' credit. Fall term. MR. SPRAU

111. Lyric Poetry. This course is a more thorough study of one form of literature considered in 110. Its aim is to help the student to a fuller appreciation of good poetry, to know why a poem is good literature, and to suggest ways of using poetry with classes. Junior elective. Intended for grade teachers especially. 12 weeks' credit. Winter term. MR. SPRAU


Note.—While 110, 111, and 112 represent a consecutive year's work, each unit may be taken separately with profit.

113. A Study of the Novel. This course attempts to trace the development of prose fiction since the time of Defoe and to suggest methods of approach in the study and teaching of fiction. (Omitted 1917-18.)

114. Shakespeare. The purpose of the course is to help the student read Shakespeare with more understanding and appreciation, and to give him practice in reading and interpreting Shakespeare to classes. All of the plays are read, and as many as possible are carefully studied in class. Senior and third year elective. 36 weeks' credit. Fall, winter, and spring terms. MR. SPRAU

Note.—Students who cannot take the whole year's course may arrange to take the first term's work as a single unit. In 1917-18 one-half of 109a will be substituted for the third term of Shakespeare.

115. Visiting Courses. Where students' programs will not permit regular enrollment in courses in literature in which they may be interested, or where they cannot find time to do the regular required work in such courses, they are invited and urged to attend the classes in such courses for the recitation and lecture work only. Much can be gathered from visiting such courses systematically. English 105, 109, 110, 111, 112 and 114 may be taken as visiting courses with profit. No units of credit will be given for such work, but in most cases the result will justify the effort.
EXPRESSION

MISS ROUSSEAU

101. **Reading.** This course aims to develop expressive reading and effective teaching of reading. It puts special emphasis on fundamental principles and therefore should precede other courses. Required in Later Elementary Life Certificate course. 12 weeks' credit. Fall, winter, and spring terms.

MISS ROUSSEAU, MISS McMILLAN

102. **Voice.** A scientific study of the speaking voice. Aims to eradicate speech defects in children, and suggests methods of correction. Elective. 6 or 12 weeks' credit. Fall, winter, and spring terms.

MISS ROUSSEAU


MISS McMILLAN

105. **Informal Speech and Debate.** Aims to develop ease in speaking. Includes theory and practice of extempore speaking, preparation of argumentative speeches, drill in parliamentary law and technique of debate. Elective. 12 weeks' credit. Fall, winter, and spring terms.

MISS McMILLAN

106. **Festival and Pageantry.** A study of the value of festivals and pageants, methods of organization, presentation, etc. The class will develop and present one festival. Required in Physical Education Life Certificate course. 6 weeks' credit. Spring term.

MISS McMILLAN

107. **Contemporary Drama.** Nine weeks of this course will be spent in a study of modern continental, English, and American drama. During the last three weeks one short play will be studied and presented. The course aims to give standards of judgment in choice of plays and right methods of presentation. Elective. 12 weeks' credit. Fall term.

MISS McMILLAN

**Note.**—Three consecutive units in expression may be obtained by any of the following combinations:
1. Voice 102, Reading 101, and Story Telling 104.
3. Reading 101, Drama 107, and Festival 106.

**FRENCH**

**MRS. HOCKENBERRY**

101-102-103. **First Year French.** This course will consist of 
(1) careful drill in pronunciation, 
(2) the rudiments of grammar, 
(3) the reading of 175-250 pages of graduated texts, with constant 
practice in easy variations of the sentences read, 
(4) writing French from dictation, and 
(5) the memorizing of French selections.

It will be an aim from the outset to give training in understanding 
French when spoken and to answer ordinary questions in the lan-
guage. 36 weeks' credit. Fall, winter, and spring terms.

**MRS. HOCKENBERRY**

104-105-106. **Second Year French.** This course includes a re-
view of grammar, a continuation of modern prose and drama, to-
gether with paraphrases and abstracts of the texts read. The latter 
will be selected from Daudet, "Trois Contes Choisis," "Le Petit 
Chose;" De la Brète, "Mon Oncle et Mon Cure;" France, 
"L'Abeille;" Augier, "Le Gendre de M. Poirier;" About, "Le Roi 
des Montagnes;" Legouve et Labiche; "La Cigale chez les Four-
mis." Topics will be discussed relating to modern France and 
French life. 36 weeks' credit. Fall, winter, and spring terms.

**MRS. HOCKENBERRY**

107-108-109. **Third Year French.** This course makes the stu-
dent acquainted with some of the chief exponents of 17th century 
literature, particularly Molière, La Fontaine, and Racine and will 
be followed by a reading of later works chosen from Balzac, Hugo, 
and Rostand. Collateral reading on French life and manners bear-
ing on the above literature. Oral and written narrative will ac-
company the reading of the texts. 36 weeks' credit. Fall, winter, 
and spring terms.

**MRS. HOCKENBERRY**
View of Science Building From Athletic Field
GEOGRAPHY

MR. WOOD  MISS HARRISON

The department of geography has one room set apart exclusively for use in geography reference work. This room contains the special reference library for geography, including reports of the Geological Survey of the United States, Canada, and Michigan, several periodicals devoted to geography, reports of the Agricultural Department, Experiment Station Records, Census Reports, special geographical publications from the various states, Consular Reports, special maps and pictures, filing cases for special pamphlets, and a card index to the geographical material of the Normal School and Public Libraries.

This reading room will be open for the use of students each week day from 8:00 a.m. to 4:00 p.m. and on Saturday from 8:00 a.m. to 12:00 M.

The laboratory of the department is to be used for the general work of physical geography and for special work of an experimental nature in connection with general geography and the practice work of the Training School.

101. General Geography. Part I. The work covers the general principles of "formulae of climates" and their application to the study of climatic regions. In this course the type region and its study is to geography what the classic is to English, and the purpose of the work is much the same, i.e., to bring the student to realize that geography finds its goal in the intensive and appreciative study of a few of the earth's masterpieces rather than in the superficial and cursory study of all the continents once or twice over. By "formulae of geography" the student is to understand that the principles of mathematical geography, relief, minerals, soils, climate, and the laws of the distribution of life—plant, animal, and mankind, are to be used, like the formulae of algebra, in the elucidation or geographic development of types of regions. Required in Later Elementary course. 12 weeks' credit. Fall, winter, and spring terms.

102. General Geography. Part II. The work covers the general principles, "formulae" that apply to the study of the lands and oceans. The course is the complement of 101, and the two courses
are planned to furnish a general preparation for the teaching of geography in the elementary and intermediate grades. Courses 101 and 102 are required of all who elect major or minor work in geography. 12 weeks' credit. Winter and spring terms.

MR. WOOD, MISS HARRISON

103. General Geography of North America. This course develops the geography of the chief physiographic regions of North America and carries the study on through the industrial and commercial phases, correlating relief, soils, minerals, climate, vegetation, animal life, and human life activities, with a view to the explanation of "why things are where they are." Prerequisite, courses 101 and 102, and a desirable antecedent is the course in geology 107. 12 weeks' credit. Winter and summer terms.  

MR. WOOD

104. General Geography of Europe. In this course, as in 102, the more elementary phase of geography—that which furnishes the prospective teacher with the materials for grade use, is emphasized fully as much as the more scientific phase, the development of the regional geography, and both with a view to an all-around preparation for the work that teachers must do with young students. In all the courses of regional geography the class work is illustrated by many slides and maps, and supplemented with references to the well-equipped library of geography Prerequisite, courses 101 and 102. 12 weeks' credit. Fall and summer terms.  

MR. WOOD

105. General Geography of South America, Africa, Australasia, and Asia south of Siberia. Open to students who have taken course 101. 12 weeks' credit. Fall, spring, and summer terms.  

MISS HARRISON

106. Climatology and Study of the Oceans. This course furnishes a preparation for high school work in physical geography, and should be elected in connection with course 106 by students pursuing the High School Life course, or by such as are specializing for departmental supervision in geography. 12 weeks' credit. Winter term.  

MISS HARRISON

107. Geology. A study of the relief of the land, the materials, rocks and minerals of which they are made, the processes in the formation of relief, and the geological history of North America. The work is carried on by field excursions, by the study of con-
tour maps and folios, and by the modeling and blackboard sketching of types of relief. 12 weeks' credit. Spring term.

MR. WOOD

Note.—High School Life students desiring to specialize in geography, may elect courses 105 and 106 as the equivalent of courses 101 and 102.

108. **Commercial Geography.** This course includes, (1) a study of the raw materials of commerce and industry; (2) the geography of the occupations; and (3) a study of the economic phase of the geography of the leading commercial nations. This study is recommended for students in the various special courses, Art, Manual Arts, and Commercial. 12 weeks’ credit. Fall, spring, and summer terms.

MISS HARRISON

109. **Michigan and Home Geography.** The purpose of this course is to fit teachers for the work on the home state, work now required in the various grades of the elementary school. 12 weeks’ credit. Winter and summer terms.

MR. WOOD

110. **General Geography for Rural Schools.** This course is similar to 101, but more emphasis is placed on the problems peculiar to the rural school and on the agricultural phase of industry. 12 weeks’ credit. Winter term.

MISS HARRISON

111. **The Geography of American History.** This course is recommended to students who are planning to teach American History in the grades or high school. 12 weeks’ credit. Winter and summer terms.

MISS HARRISON

112. **Training School Consultation Hour.** This is not a credit course, but at the hour assigned, students from the Training School will find the geography department at their service for help on problems that arise in the course of their teaching.

MR. WOOD, MISS HARRISON.

Sequence of courses for a major in geography. Courses 101, 102 (or 106-7), 103, 104, 105.

Sequence of courses for a minor in geography. Courses 101, 102 (or 106-107), 103.

Work suggested for preparation to teach geography or physical geography in the high school or junior high school. Courses 106, 107, 108 (or 103, 104, 105), 109.
GERMAN
MISS ZIMMERMAN

101-2-3. **First Year German.** Elementary course. (1) Elements of German grammar. (2) Composition: Sentence building and reproduction of texts read. (3) Reading and memorizing of selected poems. (4) Reading of 100 to 200 pages of German to be selected from the following texts: Guerber, "Maerchen und Erzaehlungen;" Hauff, "Das kalte Herz;" Seeligmann, "Altes und Neues;" Volkman (Leander), "Traeumereien;" Grimm, "Maerchen;" Andersen, "Maerchen;" Carruth, "German Reader;" Zschokke, "Der zerbrochene Krug;" Storm, "Immensee." The aim of the first year's work is to give the student a thorough knowledge of the rudiments of German grammar, a working vocabulary of German words, some facility in speaking and writing the language, and the power to understand and reproduce simple German reading matter. 36 weeks' credit. Fall, winter, and spring terms.

104-5-6. **Second Year German.** The work of this course will consist principally of extensive reading of dramatic and novelistic German. The reading matter will be selected from such works as the following: Scheffel, "Audifax und Hadumoth;" Seidel, "Leberecht Huehnchen;" Heyse, "Die Blinden;" Meyer, "Der Schuss von der Kanzel;" Keller, "Kleider machen Leute;" Freytag, "Die Journalisten;" Schiller, "Wilhelm Tell" or "Die Jungfrau von Orleans;" Lessing, "Minna von Barnhelm." The composition work will consist of reproductions of texts read, short compositions, and subjects suggested by the texts and reports on books assigned for collateral reading. The reading and memorizing of German poems will be continued. 36 weeks' credit. Fall, winter, and spring terms.

107-8-9. **Third Year German.** The aim of this course is to bring the student into direct touch with some of the masterpieces of German literature, to trace the most important movements in German literature and history, and to develop in the student the power to express himself in simple but idiomatic German. The composition work will consist of reproductions and theme writing, together with reports on books assigned for collateral reading. One drama each of Lessing, Schiller, Goethe, and Kleist will be
read, and one or more novels selected from the following: Keller, "Romeo und Julia auf dem Dorfe;" Freytag, "Soll und Haben;" Scheffel, "Ekkehard;" Suedermann, "Frau Sorge." 36 weeks' credit. Fall, winter, and spring terms.

110-11-12. Fourth Year German. A study of the history of German literature together with the reading of representative works from the different periods, both for class work and for outside assignment. 36 weeks' credit. Fall, winter, and spring terms.

113. German Conversation. Prerequisite, at least two years of German. Required of all students specializing in German, but may be taken as a twelve weeks' elective. 12 weeks' credit. Fall term.

114-115-116. Elective German. The work of each term will consist of the study of some special phase of German literature, such as Modern German Drama, or Novelistic Prose, or the life and works of a single author. The entire course should be taken, but any one term may be elected as a single unit. Elective. 36 weeks' credit. Fall, winter, and spring terms.

116-117-118. Scientific German. Reading of scientific and technical literature. The reading matter will consist of books and articles especially adapted to the needs of the Manual Arts students and those preparing for an engineering course. A monthly journal will be taken and read. Prerequisite, two years High School German or courses 101-3. 36 weeks' credit. Fall, winter, and spring terms.

HISTORY AND ECONOMICS

MR. HICKEY        MISS WAKEMAN

101. United States History-Early Period. This course will deal with the primitive inhabitants of America and the influence of physical environment on the beginnings of the nation. An attempt will be made to give the colonial period its proper unity and show in what manner the colonies were a part of the great British scheme of imperial government. Elective. 12 weeks' credit. Fall term.

MR. HICKEY.
102. **United States History-Middle Period.** Special emphasis will be placed on the causes and conditions leading to the Civil War, beginning with the first quarter of the nineteenth century. The Reconstruction Period will furnish material for intensive study of source materials and an analysis of economic readjustments. The tariff must be understood to read current history intelligently; this period furnishes the background. Elective. 12 weeks' credit. Winter term.  

103. **United States History-Modern Period.** A study of the essential facts of American History since the Civil War. The course will furnish a background for the leading issues of current politics in the hope of arousing more interest in this most wonderful era of American development. Elective. 12 weeks' credit. Spring term.  

104. **Modern Europe, 1648-1815.** Beginning with the reign of Louis XIV in France, the development of modern Europe is traced through the Napoleonic era. This course is illustrated with lantern slides of historical interest. Extensive supplementary reading is required. Elective. 12 weeks' credit. Winter term and alternate summer terms beginning with 1917.  

105. **Modern Europe since 1815.** Beginning with a review of the Congress of Vienna, the course plans the interpretation of today in terms of the more immediate past. The cause of the Great War, its many aspects, particularly economic, will prove interesting matters for study. Elective. 12 weeks' credit. Spring term and alternate summer terms beginning with 1918.  

106. **Greek History.** A brief sketch of its political history. A study of Greek civilization and its expansion. Elective. 12 weeks' credit. Fall and winter terms.  

107. **Roman History.** To the establishment of the Empire of Charlemagne in 800 A.D. Emphasis will be placed on Roman institutions and government. Elective. 12 weeks' credit. Fall and summer terms.  

108. **The Renaissance.** The development of civilization in this period from Dante to Luther, conventionally known as the Renaissance. Elective. 12 weeks' credit. Spring term.
109. **Mediaeval Europe.** To the treaty of Westphalia in 1648. Emphasis will be placed on the intellectual life of the final period and of the organization of society. Elective. 12 weeks’ credit. Winter term.

MISS WAKEMAN

110. **English History to 1815.** This course will deal with the beginnings of England as a nation and her handling of colonial problems. This means emphasis on the American colonial policy. Elective. 12 weeks’ credit. Fall term.

MISS WAKEMAN


MISS WAKEMAN

112. **Political Economy.** An elementary course in the principles of the science. The acquisition of an up-to-date economic vocabulary. Special reports followed by class discussions and talks by business men will make up the term’s work. Elective. 12 weeks’ credit. Fall term.

MR. HICKEY

113. **Political Economy.** A continuation of 112 to give a total of twenty-four weeks’ credit. Prerequisite, 112. Elective. 12 weeks’ credit. Winter term.

MR. HICKEY

114. **Sociology.** An elementary study of social laws and forces. Particular emphasis is placed on the ethical side of the individual’s relation to society. Special reports on personal investigations of local conditions will be asked of each member of the class. The collateral reading will be mainly in current magazines on subjects suggested by the course. Elective. 12 weeks’ credit. Fall and spring terms.

MR. HICKEY

115. **Current History.** A thorough course in methods of study and reading. Separation of essentials systematized by means of the making of a card index. Elective. 12 weeks’ credit. Fall term.

MR. HICKEY

116. **Methods in United States History.** This course will be open only on recommendation and will be limited to students specializing in history. A seminar course with teaching by members of the class. Elective. 12 weeks’ credit. Spring term.

MR. HICKEY
HOUSEHOLD ARTS
MISS MOORE  MISS BLAIR
MISS HUTTY  MISS BERGEN

Foods and Cookery

MISS MOORE  MISS HUTTY

101-2-3. **Foods and Cookery.** A general course in cooking, planning of meals, and practical housekeeping problems. Open to those wishing to major in Foods and Cookery. Two-hour periods, four times a week. Elective. 36 weeks' credit. Fall, winter, and spring terms.

104. a. **Emergencies.** This course includes "First Aid" remedies for sprains, bruises, cuts, burns, etc.
   
   b. **Home Nursing.** The course includes all duties which would be performed as a house nurse, such as care and furnishing a sick room, daily care of patients, treatment in common diseases and methods of disinfection. Some work in invalid dietaries. Elective. 12 weeks' credit. Fall term.

105. **Home Sanitation and Management.** Topics: The house, its location, structure, arrangement of rooms, heating, lighting, ventilating, furnishing, systematic housekeeping, cost of living, and keeping of accounts. With this some practical work in cleaning and care of plumbing is given. Elective. 12 weeks' credit. Winter term.

106. **Nutrition.** This course includes such topics as digestion, metabolism, and dietetics. Food principles with various amounts of each needed by infants, young children, and adults. Study of the school lunch problem. Elective. 12 weeks' credit. Spring term.

110. **Foods and Cookery.** A course planned to meet the desire of those students who wish to take only one term of cookery. The course includes a study of the different food materials and the principles underlying the cooking of each. Some lessons will be devoted to the planning and serving of meals, marketing, and general housekeeping problems. Elective. 12 weeks' credit. Fall, winter, and spring terms.
114. **Rural Course.** This course gives practice in simple cooking lessons which can be offered in a rural school. The noon lunch problem is studied and the laboratory work includes the preparation of foods which could be served warm at the school. Estimates are made of cost of the food and equipment. Some work is given in the planning and serving of meals. Elective. 6 weeks’ credit. Winter term.

**Textiles and Clothing**

**MISS BLAIR**

101. **Clothing.** Elementary clothing forms a basis for further courses, by problems of handwork, simple drafting and adaptation of commercial patterns. Study of use and care of sewing machine and attachments, with application to simple undergarments. Decorative stitches are applied to garments or household linens. There will be a problem in knitting and also one article of clothing made by each student, for the emergency relief. Elective. 12 weeks’ credit. Fall term.

102. **Clothing.** Study of line and proportion of the figure, and of clothing design in relation to general fitness. Practice in drafting to measurement—cutting and fitting of plain waist foundation. Simple designing of waists and skirts done in tissue paper and these applied in making of a simple shirt waist suit of medium weight material. Children’s clothing problems made for French relief. Elective. 12 weeks’ credit. Winter term.

103. **Clothing.** Skirt of light weight wool material made by commercial pattern. Special attention given to tailored finish—sponging, pressing, and stitching. Problems in care, repair, and renovation of clothing worked out. Lingerie dress made. Infant’s layette planned and made complete. Expense accounts kept and budgets made of year’s expenses. Elective. 12 weeks’ credit. Spring term.

104. **Clothing.** A course in millinery consisting of a study of line, color, and general fitness to individual. Paper pattern work given and buckram frames made from patterns. Practice in wiring and covering, with velvet substitute for skill in workmanship. Various edge and crown finishes given. Remodeling and rewiring.
ready made frames and covering with velvet. Making of trimmings. Making two practice wire frames from given measurement, third frame covered with maline, lace, braid, or georgette. Elective. 12 weeks’ credit. Fall and spring terms.

MISS BLAIR

105. Clothing. A study of primitive textile industries and their relation to those of the present day. A thorough study of the production of textile fibers and manufacture into fabrics, as a basis for better judgment in purchasing. Chemical and physical testing of all fibers and materials will be done. Dyeing, printing and weaving of different types will be worked out in special problems. This course required of all special textile and clothing group. Elective. 12 weeks’ credit. Winter term.

MISS BLAIR

106. Clothing. Advanced dressmaking includes cutting and fitting of tight lining cut from stock pattern. Making of semi-fitted net lining to be used in plain silk or light weight wool dress. Special attention given to finishing and decoration. Lingerie dress made for graduation; decoration designed, if possible in Art; expense to be limited. Garment for relief work made by each student. Elective. 12 weeks’ credit. Spring term.

MISS BLAIR

114. Clothing. Making of stitches by hand and machine. Hand problems, suitable for grade work, also three simple undergarments made. Care of clothing, darning, patching, etc. Outline study of the four textiles. Elective. 6 weeks’ credit. Winter term.

MISS BLAIR

LATIN AND GREEK

DR. BALLOU

Greek 101-102-103. For Beginners. A beginner’s book will be used, with practice in forms and the translation of easy passages of narrative prose; continued through the Fall, winter, and spring terms. 36 weeks’ credit.

Latin 101-102-103. For Beginners. Study of forms and syntax, accompanied by exercises in reading and translation of easy prose. 36 weeks’ credit. Fall, winter, and spring terms.
Latin 104-105-106. Caesar and Latin Composition. Selections from Caesar's Gallic Wars, preceded during the first six weeks of the Fall term by selections from easy narrative prose. 36 weeks' credit. Fall, winter, and spring terms. DR. BALLOU

Latin 107-108-109. Cicero and Latin Composition. Six orations of Cicero will be read in this course, and as many of his letters as time will permit, accompanied by a study of the political institutions of the Roman Republic. 36 weeks' credit. Fall, winter, and spring terms. DR. BALLOU

Latin 110-111-112. Vergil. The first six books of the Aeneid will be read, or selections from Ovid's Metamorphoses may be substituted for part of the Vergil. A study of Greek and Roman mythology will accompany the reading. 36 weeks' credit. Fall, winter, and spring terms. (Not to be given in 1917-18.) DR. BALLOU

Latin 113-114-115. Cicero's De Senectute, with parts of the De Amicitia. 12 weeks' credit. Fall term. DR. BALLOU

Livy. Selections from books, 1, 21, and 22. 12 weeks' credit. Winter term. DR. BALLOU

Latin Comedy. Selected plays of Plautus or Terence. 12 weeks' credit. Spring term. DR. BALLOU

A course in prose composition, reviewing the essentials of Latin Syntax, will accompany the reading throughout the year.

Latin 116-117-118. (Not given in 1917-18). Horace: selections from the Odes and Epodes. 12 weeks' credit. Fall term. DR. BALLOU

Horace. Selections from the Satires and Epistles. 12 weeks' credit. Winter term. DR. BALLOU

Rapid Reading Course in prose authors of various periods. 12 weeks' credit. Spring term. DR. BALLOU

Latin 119-120-121. (Not given in 1917-18) Tacitus: the Germania and the Agricola, with selections from the Annals. 12 weeks' credit. Fall term. DR. BALLOU

An historical outline of Roman literature: lectures with readings from representative authors. 12 weeks' credit. Winter term. DR. BALLOU
A Teachers' Training Course. A practical course, treating of matters closely related to the early work of high school pupils. 12 weeks' credit. Spring term. DR. BALLOU

A student may enter Courses 104, 107, 110, after having satisfactorily completed the preceding course elsewhere.

The class in Greek will be conducted for not less than five students; the instructor should be consulted before enrolling.

LIBRARY COURSE

A course of ten lectures and practical library work will be offered each year. This course will be given three periods each day so that students may select any period convenient for their programs. All juniors are required to take this course. No credit. Winter and spring terms. MISS BRALEY

MANUAL ARTS

*MR. SHERWOOD

MR. MAYER
MR. WEAVER

Entrance Requirements. Certificate of graduation from an approved high school, including credit for one year of physics.

101. Wood Shop. Instruction in elementary bench work suitable for the fifth, sixth, seventh, and eighth grades. Use and care of tools. 12 weeks' credit. Fall, spring, and summer terms. Material fee, $3.00 MR. MAYER

102. Wood Shop. More advanced work at the bench. Practical furniture and apparatus construction, cost estimating, lumber selection and finishing. Prerequisite: 101 and 108. 12 weeks' credit. Winter, spring, and summer terms. Incidental fee, $1.00. MR. MAYER

103. Forging. Instruction in building and care of fires, selecting coal, position at anvil and forge, proper handling of tools, care of equipment and room. Exercises in welding, drawing, upsetting, bending, splitting, and punching, forging tool steel, hardening and tempering, chipping and filing, use of shear and punch. Discussions cover equipment, metallurgy of iron and steel, planning courses and methods of teaching. 12 weeks' credit. Fall, winter, and spring terms. Material fee, $3.00.

*Absent on leave 1917-18.
104. **Woodturning.** Use and care of wood-working machine tools. Study of the principles involved and their application in spindle, face plate, chuck, and three-center turning. Discussions covering the selection of stock, equipment, course of study, and shop organization are frequently held. Much stress is laid upon the proper finishing of articles made. Credit or registration in Applied Design 110 is desired. **Prerequisites:** Courses 102 and 108. 12 weeks' credit. Fall and spring terms. Material fee, $3.00.

*MR. MANLEY*

105. **Pattern Making and Foundry.** Practical foundry work is given at the beginning of the course to introduce the student to the general underlying principles of pattern making. This work is continued through the course and the student is required to mold and cast each pattern constructed. Construction, fastening, and finishing of one-piece, split, loose-piece, and built-up patterns; discussions and reports covering specifications, installation, and cost data of equipment; machine tool operations; shop organization, and maintenance; and course of study. In so far as practicable, commercial shop methods are employed in this course. Credit or registration in Course 111 is desired in order that the student man construct patterns for some machine or article of his own design. **Prerequisite:** Course 104. 12 weeks' credit. Winter, spring, and summer terms. Material fee, $2.00.

*MR. MANLEY*

106. **Machine Shop.** Use of engine lathe, drill press, planer, grinder, etc. Theory of cutting tools, cutting speeds and feeds, thread cutting, turning straight and taper, boring, knurling, drive, press fits. Bench work in chipping, filing and scraping. Practice in use of measuring instruments, vernier, micrometer, etc. 12 weeks' credit. Fall, winter, and spring terms. Material fee, $3.00.

*MR. WEAVER*

107. **Millwright Work.** This course is offered as an elective and is intended to enable teachers to learn the care and simple repairs necessary to keep their equipment in good condition. Practice is afforded in the selection and installation of machines, babbitting and scraping bearings, computing, pulley and belt sizes and speeds, lacing and cementing belts, lining shafting, connecting
motors, and simple wiring. Lectures and discussions will constitute a part of this course. 12 weeks' credit. Winter and spring terms.  

MR. BOWEN, MR. MANLEY

108. Mechanical Drawing. Instruction is given in the use and care of instruments, penciling simple line exercises, inking in, lettering, problems in graphic geometry, working drawings of woodworking exercises, simple dimensions. 12 plates. 12 weeks' credit. Fall, winter, spring, and summer terms.

MR. BOWEN


MR. BOWEN

110. Mechanical Drawing. Surface developments, intersections, oblique sections, sheet metal drafting. Isometric and cabinet or oblique projection, sketching. 15 plates. 12 weeks' credit. Spring and summer terms.

MR. BOWEN

111. Machine Drawing. Standard sections, assembly and detail drawings, screw threads and fastenings, standards and conventions. 12 weeks' credit. Fall, winter, and summer terms.

MR. BOWEN

111M. Machine Drawing. Plotting mechanical movements, cam layouts, gearing, elementary machine design, strength of materials, stresses, etc. Design of simple machine parts. 12 weeks' credit. Winter, spring, and summer terms.

MR. BOWEN

112. Architectural Drawing. Architectural lettering, details of framing, roof, cornice, foundations, masonry, etc. Plans and elevations of garage, barn shed, summer cottage. 12 weeks' credit. Fall, winter, and summer terms.

MR. BOWEN

112A. Architectural Drawing. Preliminary sketches, complete plans and elevations, details of trim, etc., of an original eight-room house with modern conveniences; mechanical perspective; specifications, and estimates. 12 weeks' credit. Winter, spring, and summer terms.
113. **History and Organization.** History of Manual Arts. Course of study, arrangement of equipment, and planning of buildings. Selecting and purchasing tools and supplies. 12 weeks' credit. Spring and summer terms.  

MR. MAYER

121. **Wood Machine Work.** This is an elective course for those who are majoring in advance shop work. The student may select (a) advance pattermaking, or (b) cabinet making by machinery. The student is free to choose his own projects and from his own designs, all shop drawings, stock and cutting bills are made, the parts machined, assembled, and finished. Prerequisite: course 105. 12 weeks' credit. Offered to seniors only. Incidental fee, $1.00.  

MR. MANLEY

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**MATHEMATICS**

MR. EVERETT

MR. BLAIR

MRS. MICKEY

100A. **Algebra Beginning With Quadratics.** 12 weeks' credit. Fall term.  

100B. **Algebra and Solid Geometry.** 12 weeks' credit. Winter term.

MRS. MICKEY

**NOTE.**—These courses are designed only for students who present for admission one year of algebra and one year of geometry. They are the equivalent of courses 12, 13 and 14 in high school mathematics, but if courses 12, 13 and 14 are taken by a candidate for a life certificate the total amount of credit granted toward a life certificate will not exceed twenty-four weeks, or two-thirds the high school credit.

101. **Arithmetic.** Lectures and discussions on the history and teaching of the subject, with assigned reading. Extended treatment of typical problems of applied arithmetic. This course must be preceded by at least the equivalent of high school courses 6 to 11 inclusive. 12 weeks' credit. Fall, winter, spring, and summer terms.  

MR. EVERETT, MR. BLAIR

103. **Trigonometry.** Plane trigonometry, trigonometric functions, identities, inverse functions, solution of triangles by logarithms. 12 weeks' credit. Fall, spring, and summer terms.  

MR. BLAIR
104. **College Algebra and Analytic Geometry.** Rectangular and polar co-ordinates, simultaneous linear equations, determinants, relations between straight lines. Must be preceded or accompanied by course 103. 12 weeks' credit. Fall and summer terms.

104A. **College Algebra and Analytic Geometry.** Permutations and combinations, the circle, quadratic equations, complex numbers, polynomials. 12 weeks' credit. Winter term.

104B. **College Algebra and Analytic Geometry.** The parabola, ellipse and hyperbola, higher plane curves. A brief survey of solid geometry. 12 weeks' credit. Spring term.

105. **Calculus.** An elementary course in differential calculus. Presupposes Course 104B. 12 weeks' credit. Fall term.

106. **Calculus.** A continuation of course 105. 12 weeks' credit. Winter term.

107. **Calculus.** A course in integral calculus. 12 weeks' credit. Spring term.

109. **The Teaching of Secondary Mathematics.** The aim of this course is to give the prospective teacher the best educational thought relating to the content and teaching of algebra and geometry in the high school. 12 weeks' credit. Winter term.

110. **Surveying.** A course in field work involving actual problems in surveying and leveling. The final test consists of field notes and a map from a personal survey of an irregular tract. 12 weeks' credit. Spring term.

121. **Differential Equations.** 12 weeks' credit. Fall term.

122. **Theory of Equations.** 12 weeks' credit. Winter term.

123. **Solid Analytic Geometry.** 12 weeks' credit. Spring term.
Reading Rooms
101. **Elements of Vocal Music.** This is an academic course, and should precede the teachers' course in music. It presupposes no previous knowledge, but deals with the very rudiments of vocal music. It consists of the cultivation of the ear, the voice and the beginning of sight singing. The course covered is that of Book One of any of the standard music courses. 12 weeks' credit. Fall, winter, and spring terms.

102. **Elements of Vocal Music—Sight Singing and Ear Training.** This course must be preceded by course 101 or its equivalent. It consists of ear training, voice culture, melodic writing of a simple character, and practice in part singing. Required of all students in the Music or Music and Art courses. 12 weeks' credit. Winter term.

103-104-105. **Voice Culture.** The work in these courses is designed to meet the individual needs of the various voices. The underlying principles of voice building and artistic interpretation are taught. 6 weeks' credit for each course. Fall, winter, spring, and summer terms.

106. **Teachers' Music.** This must be preceded by course 101 or its equivalent. Advanced sight reading and ear training are taken up in this class; discussion of methods, and practice teaching during the class period as preparation for teaching this subject in the grammar grades. Observation is made in the Training School. 12 weeks' credit. Fall, winter, spring, and summer terms. Fall term is designed for teachers preparing to teach in the upper grades and for special music students.

107. **Methods in Music in Primary Grades.** This course is a suggestive one for teachers in the primary grades as well as for specializing students. The care of the child's voice, and the development of an appreciation for rhythm, as well as the acquisition of a repertoire of children's songs. 6 weeks' credit. Spring term.
108. **Primary Songs and Games.** A course designed especially for students specializing in the Early Elementary and Music courses. It will include an enlarged repertoire of songs, simple folk-dances, use of percussion instruments, practice in accompanying, and the writing of original settings. 12 weeks’ credit. Winter term. **MRS. DAVIS**

109-110-111. **Harmony.** This course presents sufficient material enabling a student to gain an intelligent knowledge of modern harmonic treatment. Part writing from given basses and melodies, chord and melodic progressions, etc. Students must be able to play sufficiently to render hymn tunes. The work covers three terms. Heacox and Lehman’s text-book used, with illustrations and supplementary work from Foote and Spalding and other modern theorists. 12 weeks’ credit for each term. Fall, winter, and spring terms. **MR. HENDERSON**

112. **History of Music.** The evolution of music from the primitive phase to the time of Bach is considered in this course. The text used is Balzell’s “History of Music” with collateral reading. 12 weeks’ credit. Fall term. **MR. MAYBEE**

113. **History and Appreciation.** Course 112 need not precede this course, although it is desirable. Music from the time of Bach to the present-day composers is considered. The development of the orchestra, opera, oratorio, and various other musical forms are worked out with the aid of the piano, voice, and Victor Victrola, bringing within the hearing of the students various interpretations of the master voices. 12 weeks’ credit. Winter term. **MR. MAYBEE**

114. **Musical Composition and Analysis.** This course deals with advanced harmony and the analysis of the various musical forms and must be preceded by courses 109-110-111. Students work out original compositions, either vocal or instrumental. 12 weeks’ credit. Fall term. **MR. HENDERSON**

115. **High School Conducting.** This course is intended for students specializing in music, but should prove helpful to students who are preparing for high school work. It will include advanced sight reading and the process of organizing and directing choruses, glee clubs, etc. 12 weeks’ credit. Spring and summer terms. **MR. MAYBEE**
116. **Music Observation.** Observation of the teaching of music in the Training School. This includes a comprehensive comparative study of the leading systems of public school music. 6 weeks' credit. Fall term.

117. **Music Observation.** Continuation of 116. 6 weeks' credit. Spring term.

118. **Primary Songs and Games.** A brief course on the lines of 108. 12 weeks' credit. Winter term.

119-120-121. **Advanced Voice Culture.** Continuation of courses 103-104-105. Extended repertoires using standard songs, selections from operas and oratorios. 6 weeks' credit for each term. Fall, winter, spring, and summer terms. MR. MAYBEE

122. **Chorus.** Classification for chorus should be made at the opening of the fall term. Mr. Maybee will be in his room to examine voices for the chorus, Monday and Tuesday afternoons of the first week of the fall term. See chorus under Music Organization, page 29. Rehearsals will be Tuesday evening from 7 to 8 o'clock, and Wednesday morning at 11 o'clock. 12 weeks' credit for a year's work.

123. **Junior Ladies' Glee Club.** Required of all Music and Music and Art students. Regular meetings once each week.

124. **Senior Ladies' Glee Club.** Required of all senior Music and Music and Art students. Regular meetings one each week. See Music Organizations, page 30.

125. **Orchestra.** Regular rehearsal Monday, 4 p. m. See page 30.

126-127. **Musical Composition and Analysis.** A continuation of course 114. 12 weeks' credit for each term. Winter and spring terms.

MR. HENDERSON
A credit in penmanship is now required of all candidates for normal school certificates in this state. The aim of this course is to give the student a knowledge of method and technic in penmanship as well as to develop a practical style of writing. Persons who have credits for penmanship from other institutions or who hold a Zaner or Palmer certificate should present the same for consideration on entrance. The work must be taken until a good style of writing is acquired. Skill and not time is the important factor. Students are required to enroll during the first term of their junior year.

PHYSICAL EDUCATION FOR MEN

MR. SPAULDING

101. Gymnastics. A course in systematic physical education for young men is required. Classes in floor and apparatus work begin at the close of the football season and continue through the winter term.

102. Outdoor Athletics. Much attention is given to outdoor athletics. Football teams are organized in the fall and baseball is given due attention in the spring term.

103. Indoor Athletics. In the winter term indoor baseball and basketball in the gymnasium are emphasized. Track work, both indoor and outdoor, will also be made a prominent feature of the athletic training for young men.

PHYSICAL EDUCATION FOR WOMEN

MISS GUIOT
MISS HASKELL
MISS REED
MISS SPAULDING

A regulation gymnasium suit is required. Medical examination is required of each girl upon entering, and only upon agreement with the school physician may she be termed physically unable to take the work. Physical examination is required of every girl upon
entering and at close of course. Students temporarily excused from the course may arrange for credit with the head of the department. Subscribed exercises combined with theory course given with Physical Education 105 will be substituted. Prompt enrollment and regular attendance are necessary to secure credit.

Instruction in swimming will be given to those desiring it; the pool is open to women on Mondays, Tuesdays, and Wednesdays.

MISS HASKELL, MISS REED

101. Physical Education. Elementary general gymnastics; figure marching and simple tactics; light apparatus (wands); elementary heavy apparatus and gymnastic games. Fall and winter terms.

MISS HASKELL, MISS REED, MISS SPALDING

102. Physical Education. This course presupposes Physical Education 101. This work is in advance with emphasis upon organized games such as long ball, newcomb and schlag ball. Winter and spring terms.

MISS HASKELL, MISS REED, MISS SPALDING

103. Physical Education. This course presupposes Physical Education 101 and 102. It consists of advanced work in tactics, calisthenics, light and heavy apparatus work, folk and gymnastic dancing, games of high organization (indoor baseball, basketball, base crick). 12 weeks' credit. Fall and spring terms.

MISS REED, MISS SPALDING

104. Physical Education. This course presupposes Physical Education 101, 102, 103. Simple Indian Club swinging is added with continued emphasis on games. Fall and winter terms.

MISS GUIOT, MISS HASKELL

105. Physical Education. This course presupposes Physical Education 101, 102, 103, 104. One period is devoted to classroom work. This theory period affords some opportunity for knowledge of the effects of physical exercise on the body and the need of systematic exercise for all. Also the classification of exercise, games and folk dances for the different ages is made. Note book is required for this course. Practice work continues in the remaining two periods. Winter and spring terms.

MISS HASKELL
110. **Methods.** Methods of teaching general gymnastics; the progressive value of exercises and the use of apparatus studied. Gymnastic work for the schoolroom is given much consideration. 12 weeks' credit. Fall term.  

**MISS GUIOT**

111. **Folk-Dancing.** A course consisting of German, Swedish, Danish, English, Scotch, Russian, and American folk-dances. 6 weeks' credit. Fall term.  

**MISS GUIOT**

112. **Aesthetic Dancing.** This subject will be continued throughout the remainder of the two years' course. Both Gilbert and Chalif exercises and dances will be taught. 6 weeks' credit. Winter term.  

**MISS GUIOT**

113. **Swedish Theory and Practice.** Study of the Swedish system of physical education, of the progression, selection, and arrangement of exercises in the Swedish Day's order. 12 weeks' credit. Winter term.  

**MISS REED**

114. **General Gymnastics.** A continuation of 110. This course includes practice work in tactics, calisthenics, light and heavy apparatus, and games. 6 weeks' credit. Winter term.  

**MISS GUIOT**

116. **Swedish Theory and Practice.** Continuation of course 113. Emphasis is placed upon the planning and teaching of the Swedish Day's order. 6 weeks' credit. Spring term.  

**MISS REED**

117. **General Gymnastics and Aesthetic Dancing.** 6 weeks' credit. Spring term.  

**MISS GUIOT, MISS HASKELL**

118. **Games and Athletics.** Much of this work will be given out of doors.  

(a) A graded course of games arranged to meet the needs of the child at the various stages of development. Outdoor and schoolroom games.  

(b) Practice of athletics. Lectures on the theory of athletics, including rules governing track and field events, management of meets, etc. 6 weeks' credit. Fall term.  

**MISS REED**

119. **Practical Diagnosis.** A study of common diseases and deformities. The student is taught to recognize the symptoms
of diseases, such as measles, mumps, and whooping cough, and to recognize such abnormalities as flat feet, round shoulders, and spinal curvature. 6 weeks' credit. Fall term. MISS GUIOT

120. **General Gymnastics and Aesthetic Dancing.** 6 weeks' credit. Fall term. MISS GUIOT

121. **Applied Anatomy and Corrective Gymnastics.**

(a) Applied anatomy. The mechanics of bodily movements is carefully studied. Muscles are described as to location and action.

(b) Corrective gymnastics. A study of special exercises for their corrective value. 12 weeks' credit. Winter term. MISS GUIOT

122. **General Gymnastics and Aesthetic Dancing.** Winter term. MISS GUIOT, MISS HASKELL

123. **Playground Organization.** The theory of the growth and advancement of playgrounds with attention given to the organization of playgrounds is taken up. Laying out of grounds and the choice and arrangement of apparatus is given due consideration. Play activities from the simplest form to the highly organized competitive games is carried on in the gymnasium. 12 weeks' credit. Spring term. MISS GUIOT

124. **General Gymnastics.** Advanced calisthenics and heavy apparatus. Spring term. MISS GUIOT

125. **Gymnasium Construction and Equipment.** A study of building and equipping of gymnasiums, with consideration of swimming pools and locker rooms. Particular attention is paid to the location and sanitation of the same. 6 weeks' credit. Winter term. MISS REED

**PHYSICS**

*MR. FOX

101-102-103. **Physics.** For students who enter without physics. 36 weeks' credit. Fall, winter, and spring terms. MR. ROOD

104. **Mechanics and Heat.** A course in general physics consisting of recitations and laboratory work. This course, together with 105 and 106 furnishes an excellent foundation for students preparing to teach physics in the high school, or for those who

* Absent on leave 1917-18.
wish to specialize in physics later in the university. Prerequisite: High School Physics 1-2-3. Student electing Courses 104, 105, and 106 should plan to do their laboratory work in the afternoon, beginning at two o'clock. Laboratory fee, $1.00. 12 weeks' credit. Fall term.

105. Magnetism and Electricity. This course should follow 104. Every discussion leads to a laboratory experiment performed by the student. Laboratory fee, $1.00. 12 weeks' credit. Winter term.

106. Light. Work in this course is carried on in the same general way as in 104 and 105. Laboratory fee, $1.00. 12 weeks' credit. Spring term.

107. Physical Nature Study. A comprehensive review of selected portions of physics necessary to the analysis of problems which arise in the grades. Special attention given to methods of organization and presentation in grade work. 12 weeks' credit. Fall, winter, and summer terms.

108. Applied Physics. For the Manual Arts students. The aim of this course is to aid the student to recognize the application of general laws to special purposes in machines. 12 weeks' credit. Spring term.

109. Teachers' Course in Physics. This course is designed for students who are preparing to teach physics in the high school. Prerequisite: Physics 104, 105, 106. The course consists of two parts:

(a) A general review of the historical development of the subject in the schools and current opinion as to its present status in the secondary school curriculum.

(b) Supervision of laboratory work, observation, and teaching in the high school. Fall, winter, and spring terms. 12 weeks' credit.

110. Elementary Electrical Testing. A laboratory course in elementary electrical measurement. This course teaches the use and care of ammeters, voltmeters, rectifiers, storage batteries, condensers, potentiometers, etc. Measurements of resistance and location of faults are prominent problems in this course. Open to
students who have had High School Physics 1, 2, and 3, but especially designed for students who are majoring in physics. Winter term. 12 weeks' credit.

111. Laboratory Technique. Designed for students who are majoring in physics. The problem of equipping laboratories of various ranges, of properly arranging apparatus for experimental work, of manipulating apparatus so as to give best results, and of keeping records of work accomplished, will form a part of this course. Instruction and practice in all branches of photography as a school asset will form a part of the work. Spring term. 12 weeks' credit.

MR. ROOD

Note.—Students wishing to major in physics should elect Courses 104, 105, 106, 109, 110, and 111.

PSYCHOLOGY AND EDUCATION

PSYCHOLOGY

DR. HENRY

MR. RENSHAW

101. Introductory Psychology. This is a course for beginners. The course consists of lectures, recitations, quizzes, and laboratory work. Required in all courses. 12 weeks' credit. Fall, winter, and spring terms.

MR. RENSHAW, MR. HOEKJE, AND DR. HENRY

102. Educational Psychology. An intensive analysis of the nature and conditioning factors of the learning process. The recitations and lectures are supplemented with a training course in the psychological laboratory. Required in Life Certificate courses. 12 weeks' credit. Fall, winter, and spring terms.

MR. RENSHAW, MR. HOEKJE, AND DR. HENRY


MR. RENSHAW AND DR. HENRY

104. Adolescence. Treats of the characteristics and conditions of life from about the 8th to the 25th year. Required in the High
106. **WESTERN STATE NORMAL SCHOOL**

School Life Certificate courses. 12 weeks' credit. Fall, winter, and spring terms.

105. **Genetic Psychology.** A course in the phyletic evolution of mind. Especially desirable for those who expect to teach in the grades. Invaluable to a broader grasp of the nature of mentation and of the education of children. Prerequisite: courses 101 and 102. Elective. 12 weeks' credit. DR. HENRY

**Note.**—Offered in 1917-18.

106. **Comparative Psychology.** This is a course in the psychology of mentation and behavior of animals below the human level. Through it one comes to a fuller appreciation of the problems of human conduct and understanding. Its methods and laboratory technique are especially suited to the needs of students of child nature. Class work is supplemented with laboratory and field studies. Prerequisite: Courses 101 and 102. Elective. 12 weeks' credit. MR. RENSHAW

**Note.**—Offered in 1918-19.

107. **Experimental Psychology.** This is an advanced course in experimental psychology and is open only to third year students or to those who have done satisfactorily courses 101 and 102, or the equivalent. All three terms must be elected as the work is a continuous sequence. Designed especially to meet the needs of those who wish a more detailed acquaintance with the processes as the basis for advanced work in education, medicine, law, etc. Much of the work is done in the laboratory, which is supplemented with lectures, reports on the literature, conferences and quizzes. Elective. 36 weeks’ credit. Fall, winter, and spring terms. MR. RENSHAW

110. **Clinical Psychology.** A course in mental and intellectual tests and measurements. In this work the student is made familiar with all the standard tests and measurements and their technique. In addition to the studies made in class, laboratory and clinic visitations are made to institutions. Kalamazoo offers an abundance of material for examination in retarded, delinquent, dependent and all types of atypical children. Admission to the course is only after consultation. At least a year’s work in psychological laboratory, and personal adaptability are requirements. Elective. 12 weeks’ credit. MR. RENSHAW
111. **Social and Individual Psychology.** A course dealing with the individual and his operations, implicit and explicit, in relation to the group. A study is made of mobs, crowds, panics, religious assemblages, business and efficiency, advertising, salesmanship, scientific management, etc. Elective. 12 weeks' credit.

MR. RENSHAW

112. **Psychological Seminar.** A non-credit course. Meets bi-weekly in the evening. Open to all who are interested in current psychological problems and literature. Optional.

**EDUCATION**

127. **History of Modern Education.** This course traces the development of the modern school in its relation to other social organizations. Special attention is given to the historical conditions and to the men most significant in current educational practice. Special reports on current educational problems and required readings in literature pertaining to the subjects studied in class are required. Elective. 12 weeks' credit.

MR. HOEKJE

128. **Secondary Education.** This work is designed especially for teachers of secondary grades (7 through 12), for principals, and for superintendents. It deals primarily with specific problems of secondary education which arise in connection with the curriculum. The social life of adolescence, and the vocational significance of the various school subjects are considered. Special oral and written reports, free class discussions, and required readings supplement the usual recitation work. Prerequisite to this course—Introductory Psychology 101. Elective. 12 weeks' credit.

MR. HOEKJE

129. **School Administration.** This course is intended primarily for those who expect to engage in school administration, whether as superintendents, principals, or supervisors. Because most effective administration is not possible without thorough-going co-operation on the part of all within a given school system, teachers who wish to understand better the conditions under which they work will be accepted as students in this work. The course involves a detailed study of school support; administrative units; school boards and supervisory officers; training, appointment, tenure of office, promotion, rating of teachers; school surveys;
school equipment; control of textbooks; classification and progress of children in the schools (compulsory education, promotion, retardation, acceleration, elimination, special classes, etc.), etc. Concrete material will be collected by members of the class from contact with actual field conditions. Prerequisites: Psychology 101 and 107, Principles of Teaching 101. Elective. 12 weeks' credit.

130. The Philosophy of Education. Students in this course will attempt to gain a general background for thought and practice. Educational ideals, methods and values will be studied critically and constructively. Effort will be made to discover the relation of biology, physiology, psychology, and sociology to education. Current contributions to the problem will be analyzed with care. Prerequisite: Psychology 101 and 107. Elective. 12 weeks' credit.

131. Educational Measurements. This is an elective course open to all who wish to become familiar with the modern methods of measuring the work of pupils in the schools. Practice is given in the use of such scales as the Courtis and Starch tests in Arithmetic; the Thorndike and Ayres Scale in Penmanship; the Hillegas Scale in English Composition; the Kansas and Starch Reading Tests, etc. Elective. 12 weeks' credit.

132. High School Course of Study. This course deals with the curricula of the high school. A preliminary study of the principles underlying the course of study and the history of its development will be followed by a detailed investigation of current methods of instruction and of the organization, value, and content of the various subjects of the high school course. Prerequisites: Psychology 101 and 107 and Principles of Teaching 101. Elective. 12 weeks' credit.

133. Elementary School Course of Study. This course is similar in nature and purpose to No. 132. Major emphasis is placed upon the subjects of the elementary school. Prerequisite same as for course 132. Elective. 12 weeks' credit.

134. Psychology of High School Subjects. The work embraced by this course is a review of the best literature of the period of adolescence with special reference to the mental processes involved in algebra, geometry, language studies, English, history.
materials, etc. It is designed primarily for administrators, supervisors, and high school teachers. Prerequisites: Psychology 101 and 107. Elective. 12 weeks' credit. MR. HOEKJE

135. Psychology of Elementary School Subjects. This course is very similar to No. 134. The psychology of learning in the case of the language arts, arithmetic, handwriting, drawing, elementary science, etc., will be studied. Prerequisite, same as for course 134. Elective. 12 weeks' credit. MR. HOEKJE

136. Educational Sociology. The course will include a brief review of those principles of sociology which affect education most—the cultural, the social, the physical, and the vocational—as these are determined by the needs of democratic society, modern economic life, and contemporary culture. The differentiation of educational objectives as required to meet local and special needs arising from the differentiation of social groups will be shown. The purpose of the course is to discover the social influences of the school which develop the child's efficiency as a member of society. Elective. 12 weeks' credit. MR. HOEKJE.

RURAL EDUCATION

*DR. BURNHAM
MISS ENSFIELD
MISS MUNRO

A belief is rapidly becoming common that teachers of rural schools must be asked to meet, as rapidly as circumstances will allow, the requirements in scholarship and professional training demanded for good elementary school teaching anywhere.

Courses of training for rural teachers are already in print which definitely outline four years' preparation beyond the high school. It will take some years to reach this standard, but requirements of one and two year training courses are immediately at hand. Young people who expect to teach should not miss the significance of these facts.

Three courses of study are offered here for the preparation of rural school teachers:

A Life Certificate in Rural Education may be secured by high school graduates after an attendance here of two years.

*Absent on leave 1917-18.
Students are compensated for the expense involved in two years' schooling by wages ranging from $60 to $100 per month, and districts paying such wages seem warranted in demanding full life certificate preparation on the part of teachers they employ.

**A Certificate in Rural Course I** good in any school in Michigan for three years in all grades up to the tenth may be secured by high school graduates after an attendance of one year and one summer term. The graduates of this course may justly anticipate consideration by districts paying $50 to $60 per month.

**A Certificate in Rural Course II** good in one, two and three-room schools for a limited time may be secured by graduates of the eleventh grade after an attendance of one year. Some young people cannot raise the money for a larger investment in preparation than this to begin with, and they are seeking the best schools they can secure on the basis of such preparation as they have been able to get.

The foregoing courses are administered by a special department of rural education in which questions of advantageous enrollment for students beginning their preparation; for graduates of County Normal Training Classes, who wish more preparation for teaching rural schools; or who seek the second renewal of their certificates; for teachers who may wish to change from town or city to rural teaching; for teachers of experience who wish to prepare to teach in County Normal Training Classes; and for teachers, who have taken limited normal school courses for rural teaching and desire to go on, are given due consideration. Consultation with the director of this work should be sought.

The subjects of study offered in this department, may be briefly summarized in three groups: first, such as give a knowledge of children and of their organization, management, and instruction; second, such subjects as give power for localizing the curriculum in natural, industrial, and domestic illustrations and applications; and third, a group of subjects intended to develop social intelligence and inspire purposes of participation and leadership in rural community life. Details of undifferentiated courses are given in descriptions of subjects in the departments to which they belong.

Several agencies for supplementing the regular class work for students in the Rural School courses have been instituted. A rural school, which is conveniently near the Normal School, has been af-
filiated and it is directed and used as an observation school to make vivid to prospective teachers of rural schools the actual situation in which they are to work. A rural sociological seminar meets two afternoons each month, and papers, discussions, and debates concerning the educational, social, and industrial life of rural communities, together with music, short addresses by members of the faculty, and parliamentary drills, make up the programs. This work is crystallized by an annual rural progress lecture given by a national leader in the study of rural life. In connection with the work in agriculture, trips and excursions are taken to typical farms and to the State Agricultural College.

101, 102, 103. Rural Education. This work is offered in three units which should be taken in the sequence given in the following statement, but each unit is subject to election as a separate by students in the senior year in any life certificate course.

101. Administration. This course will deal with the general questions of teaching, supervising, and administering rural schools. 12 weeks’ credit. Fall term. 

DR. BURNHAM, MISS ENSFIELD

102. Industrial Subjects. This course will consider specifically the teaching of industrial subjects in rural schools and affiliations with extension work, such as boys’ and girls’ clubs. 12 weeks’ credit. Winter term. DR. BURNHAM, MISS ENSFIELD

103. Rural Sociology. This course will deal with the social opportunities and responsibilities of the rural school. Seminar work in sociology running through the year will supplement the course. 12 weeks’ credit. Spring term.

DR. BURNHAM, MISS ENSFIELD

104. Demonstration School. Observations of assigned problems in rural school organization and teaching at Oakwood rural school, with conferences. This course supplements one of the required units in practice teaching.

MISS MUNRO, MISS ENSFIELD

105. Observation, Method, Management. A summer term combination of three half units to meet the State requirement for beginning teachers. 18 weeks’ credit. Summer term.

MISS ENSFIELD AND ASSISTANTS
113. Rural Sociology. This course is the work described in 103, adapted to the needs of students in the Rural Courses I and II, who do not take 101 and 102. 12 weeks' credit. Winter, spring, and summer terms. DR. BURNHAM, MISS ENSFIELD

213. Rural Sociology. This course is the work described in 103, adapted to the needs of the more mature and experienced students who enroll in Summer School and in the Extension Department. 12 weeks' credit. DR. BURNHAM, MISS ENSFIELD

216. Rural Education. This course is the work described in 101, adapted to the needs of mature Summer School and Extension Department students. 12 weeks' credit. DR. BURNHAM, MISS ENSFIELD

Note.—Third year Normal School students who desire electives in the department should take Rural Education 101, 102, 103.

TEACHING

MR. ELLSWORTH

*MISS SPINDLER

MISS ELLETT

AND GRADE SUPERVISORS

GRADED SCHOOL AND LIFE CERTIFICATE COURSES

101. Principles of Teaching. (1) A study of the elementary school curriculum with consideration of various topics suited to the interests and needs of children in each grade. (2) A discussion of types of lessons and making of lesson plans. (3) Systematic observation of different phases of grade work with reports and class discussion. At the close of the term, students will be assigned to the rooms in which they are to teach for the ensuing term and their observation will be directed by the supervisor in that grade, in preparation for their teaching work. Prerequisite to all practice teaching. 12 weeks' credit. Fall, winter, spring, and summer terms. MR. ELLSWORTH

101-102. Teaching. This course will include (1) observation of lessons taught by the supervisor of the grade, (2) the teaching of classes in the Training School, and (3) the study of individual children. There will be meetings with the supervisors and director

*Absent on leave 1917-18.
FOOTBALL TEAM
of practice, and with heads of departments, for conference, in regard to work and discussion of methods of teaching and general school management.

Students in the Life Certificate courses are required to take Teaching 101 (12 weeks' credit) and Teaching 102 (12 weeks' credit) in two consecutive terms.

Students in the Graded course are required to take Teaching 101. 12 weeks' credit.

More independent work is expected during the second term of practice teaching. The assignment will be to a different grade from that of the first term so that the student teacher may have the advantage of a new problem, and he will be expected to work out the subject-matter with reference to the needs of the class with much less definite help than during the first term.

Students are privileged and expected to take part in all the special features of the Training School work. School festivals, parents' receptions, and other special exercises are important factors in the work of the grades, and all who work in the department are required to assist in planning and carrying out these exercises.

Students will meet the director of practice on Wednesday at eight o'clock and their supervisors on Tuesday and Thursday at the eight o'clock period for conference.

Required in the Graded School (12 weeks' credit) and Life Certificate course. 24 weeks' credit. Fall, winter, and spring terms.

103. Teaching. The privilege of an elective term in teaching is granted only with the permission of the director of practice and consent of the member of the normal faculty with whom enrollment is made. Students attend meetings as directed by supervisor. 12 weeks' credit.

RURAL SCHOOL COURSES

Course I

101. Methods. Students completing the work of the department of Rural Schools study method in connection with directed observation in the Training School and the Rural Observation School. The class considers the material best adapted to the interests and activities of children, and discusses method of handling
materials. Special problems of rural schools are given emphasis. 12 weeks' credit. Fall and winter terms. MISS ENSFIELD

107. **Teaching.** Students are assigned to the different grades in the Training School for practice work in handling of groups of children and preparation for lessons. 12 weeks' credit. Spring term. MISS ENSFIELD

**Course II**

1. **Methods.** 12 weeks' credit. Winter term.
2. **Teaching.**

These courses are similar to Methods (101) and Teaching (107) of Course I, but are especially adapted to the individual needs of this class of students. 12 weeks' credit. MISS ENSFIELD
The Normal high school has been organized for the purpose of furnishing a model small high school which will set standards for this field in southwestern Michigan, to provide an educational laboratory for the investigation of secondary school problems, and to give to those students looking forward to high school positions, an opportunity for directed teaching.

Experience has shown that the first aim, that of furnishing a thorough high school training to our students is not incompatible with the function of offering practice teaching, or with the working out of problems in secondary education. The work of the student teachers is done under such close supervision that a high standard of scholarship is maintained.

The Normal High School is on the accredited list of the North Central Association of colleges and secondary schools and of the University of Michigan.

High School Chapel. All students and teachers in the department meet Tuesdays at 9 o'clock in the high school assembly room. Several programs each year are in charge of the pupils themselves. Much effort is made to have these exercises both entertaining and instructive.

The High School Dramatic Association was organized during the fall term of 1916. It aims to interest students in the best forms of drama, and presents one public play during the year. Membership is limited to those students who possess dramatic ability.

Erosophian. In 1907 the high school students organized the Erosophian Society, with the aim of giving its members opportunity for training in public presentation of material and promoting a spirit of co-operation in the High School.

The society is open to all members of the school, thus affording them opportunities similar to those enjoyed by the students of the life courses.

High School Glee Club. This organization consists of the girls in the high school music class. The club meets each day at
one o'clock for rehearsal, under the direction of Mrs. Davis. A musical program will be furnished each term during the year and in addition musical numbers will be furnished for a number of other occasions.

HIGH SCHOOL COURSE OF STUDY

Admission. Pupils who present satisfactory eighth grade certificates will be admitted to first year classes without examination. Pupils coming from other schools will be given credit for work previously done on presentation of certificates of scholarship, with full description of work done in each study. To avoid delay, applicant should present such certificate before the opening week.

Requirements for Graduation. Sixteen units are required for graduation. (A unit is a subject pursued four or five times a week for thirty-six weeks.) Only those students will be recommended for admission to higher institutions whose work has been above the minimum passing grade, and whose habits of study warrant such recommendation.

The following groups of subjects are offered:

I. English.
II. Foreign Languages: (a) Latin, (b) German, (c) French.
III. Mathematics: (a) Algebra, (b) Geometry, (c) Trigonometry, (d) Commercial Arithmetic.
IV. History: (a) Ancient, (b) Medieval and Modern, (c) English, (d) American, (e) Civics.
V. Science: (a) Geography, (b) Biology, (c) Chemistry, (d) Physics, (e) Agriculture.
VII. Music.
VIII. Commerce.

All pupils must offer the following units:

English 3, Mathematics 2, Science 1, American History and Civics 1, Foreign Language 2.
<table>
<thead>
<tr>
<th>9th Grade</th>
<th>10th Grade</th>
<th>11th Grade</th>
<th>12th Grade</th>
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</thead>
<tbody>
<tr>
<td>*ENGLISH 1-2-3</td>
<td>*ENGLISH 4-5-6</td>
<td>*ENGLISH 7-8-9</td>
<td>English 10-11-12</td>
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<tr>
<td>*ALGEBRA 6-7-8</td>
<td>*GEOMETRY 9-10-11</td>
<td>Algebra 12-13</td>
<td>Trigonometry 103</td>
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<tr>
<td>Latin 1-2-3</td>
<td>Latin 4-5-6</td>
<td>Solid Geometry 14</td>
<td>Latin 10-11-12</td>
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<tr>
<td>Anc. History 1-2-3</td>
<td>M. &amp; M. History 4-5-6</td>
<td>Latin 7-8-9</td>
<td>*U. S. HIST. and CIVICS 10-11-12</td>
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<tr>
<td>Geography 1-2-3</td>
<td>Biology 1-2-3</td>
<td>Eng. Hist. 7-8-9</td>
<td>Physics 1-2-3</td>
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<tr>
<td>†German 1-2-3</td>
<td>German 4-5-6</td>
<td>Chemistry 1-2-3</td>
<td>German 10-11-12</td>
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<tr>
<td>†Music 1-2-3</td>
<td>Dom. Science 1-2-3</td>
<td>German 7-8-9</td>
<td>Mec. Draw. 11-12-13</td>
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<tr>
<td>†Art 1-2-3</td>
<td>Dom. Art 1-2-3</td>
<td>Mec. Draw. 8-9-10</td>
<td>H. S. Shop 2-3-4</td>
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<td>*PHY. ED.</td>
<td>Com'l Arith. 1-2-3</td>
<td>†French 1-2-3</td>
<td>French 4-5-6</td>
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<td>*PHY. ED.</td>
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*Required subjects in capitals.
†May be elected in any year.
Details of Departments

ART

1. **Art.** Drawing and painting from nature; design from nature motifs. Applied design in Christmas problems. Picture study. 12 weeks' credit. Fall term.

2. **Art.** Study of perspective leading to problems in household art. House planning and furnishing. Picture study. 12 weeks' credit. Winter term.

3. **Art.** Figure work leading to costume design and poster work. Drawing from nature. Picture study. 12 weeks' credit. Spring term.

MISS NETZORG

BIOLOGY

1-2-3. **Elementary Biology.** This course aims to introduce the student to the realm of biology, giving him a general knowledge and appreciation of the life about him and its controlling principles, with the hope that such will widen his outlook, increase his capacity for enjoyment and orient him in nature. The course lays the foundation for further work in the department to which it is a prerequisite. Consists of laboratory, field, and recitation work throughout the year. Open to all high school students in their sophomore year. 36 weeks' credit. Fall, winter, and spring terms.

MR. PLACE

†23, 24, 25. **Agriculture and Nature Study.** (a) A study of the different types of cattle, horses, sheep, swine, and important breeds of poultry. The care of milk, separation cream, and the Babcock test will be considered. Field work includes inspection of typical farms about Kalamazoo. A study of trees with particular attention to the farm wood lot. Work in forest nursery. Elements of landscape gardening.

(b) Tests and experiments dealing with temperature, air, moisture, porosity, etc. Discussions on tillage and fertilizers. A study
of the structure, functions, and hygiene of the human body. Sanita-
tion of the home, school, and community.

(c) Classification and culture. Experimental plats in the school
garden, plant diseases, judging of crops, with especial emphasis
upon corn. A consideration of the common native birds, weeds,
and insects with particular attention to their relation to agriculture.
Identification of spring flowers. 36 weeks' credit. Fall, winter,
and spring terms. MISS ELLETT

†23, 24, 25 not open to high school students except by special
permission.

CHEMISTRY

1-2-3. Elementary General Chemistry. This is a course for
beginners and presupposes no knowledge of the subject. Laboratory
work is required and a note book must be kept. No Normal credit
is allowed for this work. The course is limited to high school
students. 36 weeks' credit. Fall, winter, and spring terms.

DR. McCracken

COMMERCE

1-2-3. Commercial Arithmetic. An arithmetical study of
business processes. The course combines drill in fundamental proc-
esses and short methods with trading activities such as merchandise,
expenses, banking, insurance and costs. Prerequisite for all other
commercial courses. 36 weeks' credit. Fall, winter, and spring
terms.

MR. LORING

†4-5-6. Bookkeeping. The principles of debit and credit, pro-
prietorship and account classification are first studied. The intro-
ductory work is followed by special methods in columnar books of
original entry and controlling accounts. Commercial Arithmetic
1-2-3 prerequisite.

MR. LORING

†Omitted 1917-18.

DOMESTIC ART

1-2-3. Domestic Art. This course includes the following: use
and care of the sewing machine and its attachments, making stitches
and seams by hand and machine, with application to household
articles and undergarments; the drafting and adaptation of pat-
terns, cutting, fitting, and finishing of undergarments; making a tailored skirt of cotton material, embroidery stitches applied to a waist and making of waist, simple lingerie dress. 18 weeks' credit. Fall, winter, and spring terms.

MISS BERGEN

DOMESTIC SCIENCE

1-2-3. Domestic Science. This is a general course in cooking, study of foods, and the principles underlying the cooking of these foods. There will be some work in the serving of meals and other work connected with the management of the home. This course is open only to high school students. Two-hour periods, twice a week. 18 weeks' credit. Fall, winter, and spring terms.

MISS HUTTY

ENGLISH

The aim in first year English is: (1) To develop in the student, as far as possible, the ability to tell a straightforward, well-balanced, pointed story in easy, familiar English. (2) To acquaint him with the essential elementary details of sentence-structure, paragraphing, capitalization, preparation of manuscript, and punctuation. (3) To bring him to a knowledge and appreciation of a number of well-known stories that are genuine literature.

Each student in any English class is required to read one book a month besides his regular class reading.

FIRST-YEAR ENGLISH

*1. English. Required in Rural II and First-Year High School courses. Two periods a week are given to composition, two periods a week to literature, and one period a week to grammar. Composition will embrace both written and oral work. The oral composition will be chiefly narrative, reproducing the stories of standard writers. The written composition will include single narrative paragraphs, fables, incidents, and situations, based on experiences, and social letters, which will be written at least once a month throughout the year to real correspondents. The time devoted to grammar will be spent on sentence classification, whole and simple subjects and predicates, complements and modifiers, and oral sentence analysis. In the work in literature, classic and leg-
endary narrative prose, and a few simple narrative poems will be studied. 12 weeks' credit. Fall term.

MRS. BISCOMB, MISS BAUGHMAN

*2. English. Required in Rural II and First-Year High School courses. The work is divided as in English I. In oral composition the narratives are chiefly reproductive. The students will write stories of two, three, or four paragraphs in length. The review in grammar will include a careful study of nouns, pronouns, adjectives, and adverbs. The work in literature will be a continuation of English I. 12 weeks' credit. Winter term.

MRS. BISCOMB, MISS BAUGHMAN

*3. English. Required in Rural II and First-Year High School courses. This course includes: (1) In oral composition, original stories and some original exposition. (2) In written composition, continued work in longer stories, some exposition, and social letters. (3) Under grammar, particular attention will be paid to verbs, conjunctions, interjections, and prepositions. (4) Literature as in English 1 and 2. 12 weeks' credit. Spring term.

MRS. BISCOMB, MISS BAUGHMAN

SECOND-YEAR ENGLISH

(1) Composition and rhetoric, two periods a week.
(2) Literature, two periods a week.
(3) Reading, one period a week.

The study of rhetoric serves as a guide and source of suggestion in writing and speaking, as well as increasing the student's understanding and appreciation of the literature which he is asked to read.

*4. Composition-Literature. Required in Rural II and Second-Year High School courses. This course includes: (1) Composition and rhetoric, a somewhat formal study of narration; single narrative paragraphs, and at least one narrative from three to six paragraphs are required each week. (2) Literature, the careful study of selected English classics. (3) Reading, one period weekly is devoted to the reading and study of material in representative magazines and newspapers. 12 weeks' credit. Fall term.

MISS BAUGHMAN
5. Composition-Literature. Required in Rural II and Second-Year High School courses. The work is continued as outlined under English 4. It includes: (1) Description and letter-writing. (2) Careful study of portions of the "Iliad." (3) Magazine and newspaper work. 12 weeks' credit. Winter term.

MISS BAUGHMAN

6. Composition-Literature. Required in Rural II and Second-Year High School courses. Exposition is emphasized. Some of Shakespeare's plays and some of "The Idylls of the King" are studied in class. Magazine and newspaper work is continued as in English 4 and 5. 12 weeks' credit. Spring term.

MISS BAUGHMAN

THIRD-YEAR ENGLISH


8. English. Required in Third-Year High School course. Five periods a week, two for literature, two for composition and rhetoric, and one for reading. In literature, a careful study is made of the short story, one novel, and several essays. The composition, which is both oral and written, includes the writing of letters, original abstracts, and outlines, news items, editorials, short stories in imitation of those studied, essays, class discussions, and short talks on outside reading and assigned topics. One period each week is given to the reading and study of selected magazine and newspaper items. 12 weeks' credit. Fall and winter terms.

MRS. BISCOMB

9. English. Required in Third-Year High School course. Five periods a week. During this term, two or three of Shakespeare's plays, several narrative, and many lyric poems are read and studied. The work in composition as outlined under English 8 is continued. 12 weeks' credit. Spring term.

MRS. BISCOMB

98. Classics. This course is intended for high school students who need to earn a credit in English, and for teachers who have not had a high school course and need more work in literature. The time in class is spent in reading several classics. This work is supplemented with outside reading. 12 weeks' credit. Offered summer term only.

MISS BAUGHMAN
99. **Preparatory-Composition.** The elements of composition are treated under both form and content. The course deals with punctuation, word usage, paragraph, and sentence structure, and business and social forms in letter writing. Daily practice is afforded in both oral and written composition. Credit in this course is accepted in Rural II course as part credit in Third Year High School English. 12 weeks’ credit. Offered summer term only.

MISS BAUGHMAN

**FOURTH-YEAR ENGLISH**

10. **English.** Elective in Fourth-Year High School course. Five periods a week. The work in literature includes a rapid survey of the history of English literature, supplemented by a generous amount of reading. The composition work of the year, one period a week, is oral and written. Stories, letters, editorials, reports, debates, and orations receive some attention. Magazine and newspaper work one day each week throughout the year. 12 weeks’ credit. Fall term.

MRS. BISCOMB

11. **English.** Elective in Fourth-Year High School course. The work in reading, composition, and literature as outlined under English 10 is continued. 12 weeks’ credit. Winter term.

MRS. BISCOMB

12. **English.** Elective in Fourth-Year High School course. Five periods a week, one for a survey of the history of American literature, this to include important biographical facts of the chief writers; two for a rapid reading of their most worthy productions. Composition and reading as outlined under English 10 and 11 are continued. 12 weeks’ credit. Spring term.

MRS. BISCOMB

**EXPRESSION**

*7. Oral English.** Required in Third-Year High School course. A course designed primarily to train students in clear thinking and effective expression of ideas. There is much practice in story-telling, speech-making, and parliamentary law. Fall, winter, and spring terms. 12 weeks’ credit. MISS ROUSSEAU

**FRENCH**

1-2-3. **First Year French.** This course will consist of (1) careful drill in pronunciation, (2) the rudiments of grammar, (3)
the reading of 175-250 pages of graduated texts, with constant practice in easy variations of the sentences read; (4) writing French dictation, and (5) the memorizing of French selections. It will be an aim from the outset to give training in understanding French when spoken and to answer ordinary questions in the language. 36 weeks' credit. Fall, winter, and spring terms.

MRS. HOCKENBERRY

4-5-6. This course includes a review of grammar, a continuation of modern prose and drama, together with paraphrases and abstracts of the texts read. The latter will be selected from Daudet, "Trois Contes Choisis;" "Le Petit Chose;" De la Brète, "Mon Oncle et Mon Cure;" France, "L’Abeille;" Augier, "Le Gendre de M. Poirier;" About, "Le Roi des Montagnes;" Legouve et Labiche, "La Cigale chez les Fourmis." Topics will be discussed relating to modern France and French life. Fall, winter, and spring terms. 36 weeks' credit.

MRS. HOCKENBERRY

GEOGRAPHY

1. Physical Geography of the Lands. This course includes the following parts: (1) A study of the common minerals and rocks—the materials from which the lands are made; (2) a study of the relief features of the lands by the means of pictures, slides, models, blackboard sketching, contour mapping, and field work in the vicinity of the school; (3) the study of the relief of type regions of the earth with a view to illustrating the principles developed in parts (1) and (2). Five periods a week, partly for field and laboratory work and partly for recitations. 12 weeks' credit. Fall term.

MR. WOOD

2. Physical Geography of the Air, Water, and Life of the Earth. This course includes the following parts: (1) The study of the earth in its universal and planetary relations, leading to the study of mathematical geography; (2) the leading facts of meteorology and climatology; (3) a study of the climatic regions of the earth in their plant, animal, and human relations. Five periods a week. 12 weeks' credit. Winter term.

MR. WOOD

3. General Geography. This course is taken up with the study of a series of type regions selected to illustrate the principles developed in physical geography, and the studies are carried on in se
UGEAN

1-2-3. First Year German. Elementary course. (1) Elements of German grammar. (2) Composition: Sentence building and reproduction of the texts read. (3) Reading and memorizing of selected poems. (4) Reading of 100 to 200 pages of German to be selected from the following texts: Guerber, "Maerchen und Erzaehlungen;" Hauff, "Das kalte Herz;" Seeligmann, "Altes und Neues;" Volkman (Leander), "Traeumereien;" Grimm, "Maerchen;" Andersen, "Maerchen;" Carruth, "German Reader;" Zschokke, "Der zerbrochene Krug;" Storm, "Immensee." The aim of the first year's work is to give the student a thorough knowledge of the rudiments of German grammar, a working vocabulary of German words, some facility in speaking and writing the language, and the power to understand and reproduce simple German reading matter. 36 weeks' credit. Fall, winter, and spring terms.

MISS ZIMMERMAN

4-5-6. Second Year German. The work of this course will consist principally of extensive reading of dramatic and novelistic German. The reading matter will be selected from such works as the following: Scheffel, "Audifax und Hadumoth;" Seidel, "Leberech Huehnchen;" Heyse, "Die Blindeb;" Meyer, "Der Schuss von der Kanzel;" Keller, "Kleider machen Leute;" Freytag, "Die Journalisten;" Schiller, "Wilhelm Tell" or "Die Jungfrau von Orleans;" Lessing, "Minna von Barnhelm." The composition work will consist of reproductions of texts read, short compositions on subjects suggested by the texts and reports on books assigned for collateral reading. The reading and memorizing of German poems will be continued. 36 weeks' credit. Fall, winter, and spring terms.

MISS ZIMMERMAN

7-8-9. Third Year German. The aim of this course is to bring the student into direct touch with some of the masterpieces of German literature, to trace the most important movements in German literature and history, and to develop in the student the power to express himself in simple but idiomatic German. The composition
work will consist of reproductions and theme writing, together
with reports on books assigned for collateral reading. One drama
each of Lessing, Schiller, Goethe, and Kleist will be read, and one
or more novels selected from the following: Keller, "Romeo und
Julia auf dem Dorfe;" Freytag, "Soll und Haben;" Scheffel, "Ekke-
hard;" Sundermann, "Frau Sorge." 36 weeks' credit. Fall, winter,
and spring terms.

MISS ZIMMERMAN

10-11-12. **Fourth Year German.** A study of the history of
German literature together with the reading of representative works
from the different periods, both for class work and outside assign-
ment. 36 weeks' credit. Fall, winter, and spring terms.

MISS ZIMMERMAN

**HISTORY AND CIVICS**

1-2-3. **Ancient History.** Elective in High School course. The
work is based on a text-book. 36 weeks' credit. Fall, winter, and
spring terms.

MISS LUTJE

4-5-6. **Mediaeval and Modern History.** Elective in High
School course. The work is based on a text-book. 36 weeks' 
credit. Fall, winter, and spring terms.

MISS LUTJE

7-8-9. **English History.** Elective in High School course. Spe-
cial emphasis is placed on the social and industrial development of
England. 36 weeks' credit. Fall, winter, and spring terms.

MISS LUTJE

*10-11-12. **United States History and Civics.** Required in
Rural II and High School courses. 36 weeks' credit. Fall, winter,
and spring terms.

MISS LUTJE

**LATIN**

1-2-3. **For Beginners.** Study of forms and syntax, followed
by six weeks of connected reading in selections from easy nar-
rative prose. 36 weeks' credit. Fall, winter, and spring terms.

DR. BALLOÙ

4-5-6. **Caesar and Latin Composition.** Selections from Caes-
ar's Gallic Wars. A study of the time of Caesar, his place in
Roman history and the organization of the Roman army, will be
made. 36 weeks' credit. Fall, winter, and spring terms.

DR. BALLOÙ
7-8-9. **Cicero and Latin Composition.** Six orations of Cicero will be read in this course and as many of his letters as time will permit. A thorough study will be made of the political institutions of the Roman Republic. 36 weeks' credit. Fall, winter, and spring terms.

DR. BALLOU

10-11-12. **Vergil.** The first six books of the Aeneid will be read and selections from the last six; or selections from Ovid's Metamorphoses will be substituted for part of the Vergil. A thorough study of Greek and Roman mythology will be included in the course. 36 weeks' credit. Fall, winter, and spring terms.

DR. BALLOU

**MANUAL ARTS**

2-3-4. **High School Shopwork.** (a) Woodturning: Practice in spindle, face plate and chuck work. (b) Bench work: Design, construction, and finishing of simple furniture; or, (c) Elementary pattern making. 36 weeks' credit. Fall, winter, and spring terms. Material fee, $2.00 each term.

MR. MANLEY

8-9-10. **Mechanical Drawing.** Fall, winter, and spring terms. 36 weeks' credit.

MR. BOWEN

11-12-13. **Mechanical Drawing.** Fall, winter, and spring terms. 36 weeks' credit.

MR. BOWEN

**MATHEMATICS**

1. **Arithmetic.** A thorough review of the fundamental processes with integers and fractions, mensuration, percentage and its applications. 12 weeks' credit. Fall term.

MRS. MICKEY

*6. **Algebra.** Elementary algebra through factoring. 12 weeks' credit. Fall term.

MR. BLAIR, MRS. MICKEY


MR. BLAIR, MRS. MICKEY

*8. **Algebra.** A continuation of Algebra 6 and 7 to quadratic equations. 12 weeks' credit. Spring term.

MR. BLAIR, MRS. MICKEY

*9. **Plane Geometry.** An elementary course. 12 weeks' credit. Fall term.

MRS. MICKEY
*10. **Plane Geometry.** A continuation of Course 9. 12 weeks' credit. Winter term. MRS. MICKEY

*11. **Plane Geometry.** The subject completed. 12 weeks' credit. Spring term. MRS. MICKEY

12. **Algebra.** Algebra completed through quadratic equations. 12 weeks' credit. Fall term. MR. BLAIR

13. **Algebra.** Algebra. 12 weeks' credit. Winter term. MR. BLAIR

14. **Solid Geometry.** 12 weeks' credit. Spring term. MR. BLAIR

103. **Trigonometry.** Plane trigonometry, trigonometric functions, identities, inverse functions, solution of triangles by logarithms. 18 weeks' credit. MR. BLAIR

*Required in all High School Courses.

**MUSIC**

1-2-3. **High School Music.** This course is open to students in the high school only. It consists in the cultivation of the voice, sight singing, three part singing and lessons in appreciation of music. Emphasis is laid upon good tones, clear enunciation, and artistic interpretation of songs studied. Use is made of the victrola, three part songs, and folk songs. The text used is the Laurel Song Book. MRS. DAVIS

**PHYSICAL EDUCATION FOR WOMEN**

*1-2-3. **High School Class.** This class meets twice a week for general gymnastics, heavy apparatus work, folk dancing, and organized games, and once a week for swimming. Fall, winter, and spring terms. MISS SPALDING

*Required in all high school courses.

**PHYSICS**

1-2-3. **Physics.** This is a course for beginners and runs throughout the year. Work will consist of lectures, demonstrations, recitations, and laboratory work by the student. A note book
containing data of laboratory work must be kept by each student. A laboratory fee of $1.00 will be charged each term. Fall, winter, and spring terms. 36 weeks' credit. 

MR. ROOD

**PSYCHOLOGY**

1. **Psychology.** Seniors in Rural School Course II are given a twelve weeks' course in psychology. This course serves as a preparatory study for the principles of teaching and the practice which follow it, and it is also intended to arouse a permanent interest in the study of psychology. 12 weeks' credit. Fall term.

DR. BURNHAM, MISS ENSFIELD
Register of Students

Summer Term, 1916

Aamadt, Sophia .............................. Muskegon
Adams, Esther ................................. Bangor
Adelman, Avice M. Three Rivers
Adriance, Ruth ................................. Paw Paw
Alberta, Dorothy .............................. Jenison
Alden, Ruth ................................. Decatur
Aldrich, Doris ................................. Alamo
Alexander, Mary .............................. Alto
Allen, Edith ................................. Cedar Springs
Allen, Mary .................................... Quincy
Allen, Nella ................................. Kalamazoo
Allen, Princie ................................. Lakeview
Allen, Winifred .............................. White Pigeon
Allgire, Cora B ................................. Sturgis
Allison, Ruth ................................. Kalamazoo
Alspaugh, Anna ................................. Ionia
Anable, Elva ................................. Constantine
Anderson, Bernadette ......................... Martin
Anderson, Elizabeth ........................ Cedar Springs
Anderson, Emma .............................. New Buffalo
Anderson, Florence ........................ Bronson
Anderson, Julia ............................... Bronson
Anderson, Jennie ............................. Luther
Anderson, Myrtle ............................. Holton
Andre, Eva ...................................... Jenison
Andrews, Harold ............................... Bradley
Andrews, Hazel ............................... Hart
Andrews, Margaret L ........................ Hart
Angove, Percy ................................. Painesdale
Anson, Lena ................................. Doster
Anton, Helen ................................. Coldwater
Appel, Frederika .............................. Muskegon
Arens, Jake ................................. Holland
Arnold, Mrs. Clara ........................... Kalamazoo
Arnold, Jessie ................................. Sullivan
Arnold, Lillian .............................. Hudsonville
Arnold, Luella ................................. Belding
Ashbrook, Jennie .............................. Bloomingdale
Austin, Cora Bell ............................ Paw Paw
Austin, Mabelle V ............................. Otsego

Austin, Wava ................................. Paw Paw
Avery, Banita ................................. Allen
Avery, Grace ................................. Marshall
Ayres, F. M ................................. Lacota

Baas, Eva ................................. Muskegon
Babcock, Amy ................................. Mendon
Babcock, Lois F ............................... Allegan
Baeuerle, Bertha .............................. Kalamazoo
Bagg, Oliver ................................. Marcellus
Bailey, Clara ................................. Kibbie
Bailey, Ethel ................................. Sparta
Baker, Reno ................................. Lawton
Ball, Charlotte .............................. Kalamazoo
Ball, Ruth ................................. Paw Paw
Ballou, Fannie ............................... Kalamazoo
Bannes, Nellie ............................... Big Rapids
Bannon, Laura ................................. Acme
Barber, Phoebe ............................... Kalamazoo
Barnaby, Lorraine ........................... Grand Rapids
Barnett, Helen ................................. Pontiac
Bassett, Katherine .......................... Spring Arbor

Battjes, Grace ............................... Grand Rapids
Bayes, Mary Effie ............................ Bryan, Ohio
Beach, Clarice ............................... Paw Paw
Beachum, Bird ................................. Shelby
Beall, Walter ................................. Baroda
Beall, Wendell ................................. Baroda
Beaton, Agnes ................................. Marshall
Beaton, Helen ................................. Marshall
Beaudry, Goldie .............................. Brunswick
Beck, Mayme ................................. Odel, Ill.
Becker, Altha ................................. Schoolcraft
Beemer, Prescott J .......................... Brent Creek
Beerstecher, Frances ........................ Kalamazoo
Beery, Belle ................................. Allegan
Bell, Frederika ............................... Battle Creek
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Bennett, Frieda ............................... Alamo
Benson, Vera ................................. Benton Harbor
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Bever, Hattie ........ Lowell
Biddle, Louise ....... Grand Rapids
Bidlack, Maurine ........ Decatur
Bidleman, Florence .... Sparta
Bien, Stanley ........ Cass City
Bigelow, Hazel ........ Reading
Bird, Cary H .......... Saugatuck
Bird, Gertrude .......... Battle Creek
Bird, Martha .......... Battle Creek
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Bishop, Dora .......... Benton Harbor
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Blair, Bessie .......... Homer
Blair, Ethelyn ....... Grand Rapids
Blair, J. Charlotte .... Grand Rapids
Blake, Eugenia .......... St. Joseph
Blakeman, Lucile .......... Paw Paw
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Blanchard, Elmer ..... Coopersville
Blanchard, Ida .......... Grand Ledge
Blandford, Tena C .... Grand Rapids
Blood, Nellie Leona........ White Pigeon

Bogert, Mildred ....... Wolverine
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Boldt, Clara C ........ Hudsonville
Bole, Mae S .......... Three Rivers
Bommerschein, Norma .... Three Oaks
Boody, Bernice ........ Eaton Rapids
Boody, Florence ........ Eaton Rapids
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Borradaile, Gilbert ........ Ionia
Bottomley, Florence ........ White Pigeon
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Bowknight, Minnie .... Grandville
Bowersox, Dorothy .......... Nottawa
Bowersox, Katharine .......... Nottawa
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Braamse, Hilda J .... Coopersville
Brace, Elsie J ........ Grant
Braden, Letha .......... Climax
Bradley, Veryl .......... Dowagiac
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Brown, Florence .......... Lakeview
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Burt, Glenn H .......... Hadley
Butler, Marie .......... Alpena
Butler, Marie Rose .......... Mendon
Byers, Wilma .......... Marcellus
Byrne, May Eva .......... Ada
Byrne, W. Joseph .......... Lowell

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Carpenter, Nellie Sand Lake
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Carver, Alta ......... Marshall
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Chapelle, Ernest .......... Remus
Christian, Freda Stanwood
Church, Frances Sparta
Church, Merta .......... Holton
Clark, Ivan S. Bloomingdale
Clark, Lena W. Lowell
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Cole, Dorothy Kalamazoo
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Compton, Robert A. Caledonia
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Conway, Marie Decatur
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Cook, Lucyle ....... Holland
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Correll, Lucile ........... Athens
Corteway, Marion Battle Creek
Costella, Laura .......... Tustin
Covey, Mae Veryl Gobles
Cowen, Bayard D. Chicago, Ill.
Cox, Mrs. Lois .......... Cloverdale
Crame, Ethel Morley
Cramer, Lucile Fulton
Crandall, Dale Glendora
Crandall, Gladys Vandalia
Cran, Edgar Kalamazoo
Cran, Mrs. Mary Muskegon
Crankshaw, Zetta Lawrence
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Creagan, Helen Decatur
Cromb, Clare Dowagiac
Croniger, W. Bradley Alto
Cronk, Esther ....... Hastings
Cronk, Hazel Hastings
Cronk, Ruby Battle Creek
Crossley, Genevieve Vicksburg
Crossman, Nina Benton Harbor
Croucher, Eva New Buffalo
Crose, John Kalamazoo
Crowley, Cornelia Niles
Culver, Evelyn B. Traverse City
Culver, Lela Kalamazoo
Curry, Annie F. Kalamazoo
Curry, Harvey Kalamazoo
Curtis, Mabel Kalamazoo
Cutting, Mary Kalamazoo
Cutting, Richard Kalamazoo
Cutting, Robert M. Kalamazoo
Daniels, Harriet Grand Rapids
David, Elizabeth Muskegon
Davis, Elsie Marshall
Davis, Enid Mears
Davis, Grace A. Muskegon
Davis, Nettie Albion
Day, Gertrude Sparta
Day, Hazel Goblesville
Day, Laura Morgan
Dayharsh, Blanche Hart
Dayton, Julia Quincy
Dean, Ora Grand Rapids
DeBoer, Lawrence Jenison
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Fischer, Elvira ...... Imlay City
Fisher, Carl .......... Cassopolis
Fitch, Ruth M...... Three Rivers
Fitzpatrick, Loretta M, Gaylord
Fitzpatrick, Luella Kalamazoo
Flach, Florence......... Scotts
Fleming, Harriet M ... Shelby
Fleser, Rosa A. Burnips Corners
Fletcher, Cora .......... Ada
Fletcher, Mrs. Ella.... Grand Rapids
Fletcher, Pearle........ Charlotte
Fogle, Elma .... Berrien Springs
Ford, Pearl .......... Battle Creek
Forler, Dorothy .......... Niles
Formsma, Cornelia .... Grand Rapids
Foss, Viola .......... Battle Creek
Foster, Crete ........... Niles
Fox, Grace E............. Charlotte
Fox, Theresa........ Bradly
Francoise, Florence Kalamazoo
Frank, Gertrude .... Harvard
Frazee, Pearl .... Kalamazoo
Freeman, Eva L South Haven
French, Leona ........... Sand Lake
French, Marion Kalamazoo
French, Mildred Baroda
French, Nila J.. Bronson
Frey, Margaretta East Leroy
Frieman, Grace........ Dorr
Fritts, Mary J Kalamazoo
Frost, Grace Lilian...... Perry
Fruce, Kathryn................ Otsego
Fry, Florence......... Coldwater
Frye, Cleo D........ Berlamont
Frye, Mildred Sherwood
Fuller, Florence Sparta

Gall, Beatrice .... Edwardsburg
Gamble, Anna L Hart
Gannon, Letha ........... Ross
Gardner, Mrs. Ella Cassopolis
Gardner, Wainered Morgan
Garl, Percy ...... Edwardsburg
Garrison, Leo E Sherwood
Garrison, Mary .... Hartford
Garwood, Lucy ........ Penn
Gary, Lorena M Homer
Gaskill, Ruby ...... Hastings
Gates, Garnet Marie Bay City

Gauss, Ruth........ Tekonsha
Gayman, Angie.. Edwardsburg
Gear, Fern A. Decatur
Gearhead, Mildred Marcellus
Genung, Helen South Haven
George, Gladys Grand Rapids
Giddings, Myrtle ...... Mattawan
Gilbert, Earl ...... Hastings
Gilfillan, Elma Kalamazoo
Gillette, Clifford Kalamazoo
Gillette, Grace Kalamazoo
Gilmore, Margaret Muskegon Heights

Gilpin, Fanchion Sherwood
Glazier, Alice M Climax
Gleason, Mamie Nunica
Glenn, Dora B Mrs. Dowagiac
Glenn, Sallie Clark Portage
Goller, Gladys Cedar Springs
Goodspeed, Hazel Marcellus
Goodspeed, Lena Wayland
Goodrich, Nina Mattawan
Gordinier, Edna Reading
Gosling, Arthur Dorr
Graham, Julia Otsego
Graham, Margaret Grand Rapids
Granger, Irene Kalamazoo
Grawcock, Gertrude Sturgis
Gray, Elwin Otsego
Green, Mildred Dowagiac
Greene, Gladys G Nashville
Griffin, Zetha Alto
Grigg, Sadie South Haven
Grimes, Trilla White Pigeon
Grisier, Emerson Pioneer, Ohio
Groat, Hazel Vicksburg
Grove, Mildred Sturgis
Gustafson, Carl Wayne
Guy, Florene Coloma

Haas, B. Ilah Vicksburg
Haas, Ivah M. Vicksburg
Habing, Gertrude Holland
Hagerman, Winifred Constantine

Hagger, Lulu Kibbie
Haire, Anna Grand Rapids
Hall, Arlie Marshall
Hall, Mabelle Grand Rapids
Hall, Mildred Battle Creek
Hamilton, Flossie F Dayton
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Johnson, Mrs. Nora ........ Grand Rapids
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Kelley, Asa ............. Coopersville
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Parker, Ruby...............Covert
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Formsma, Cornelia........Grand Rapids
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French, Ralph......Port Huron
French, Ray........Port Huron
Froh, Inez........Sturgis
Frost, Della.........Battle Creek
Fuller, Tressa.........Mears

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Gannon, Katherine.....Belding
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Gooding, Elizabeth...Fennville
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Hale, Myra........Charlevoix
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Hammarlund, Lillie.....Norway
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Harris, Marjorie.....Decatur
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Hayes, W. B........Comstock
Hayman, Rachel...Three Rivers
Hazen, Dorothy...Three Rivers
Heaven, Dorothy........Benton Harbor
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Hoffman, Sarah.......Holland
Host, Howard.........Berlin
Houes, Una J...Grand Rapids
Howe, Emil........Kalamazoo
Hubbel, Rose.........Belmont
Huizenga, John...Grand Haven
Hunter, Lela........Lansing
Hutchinson, Lucile...Caledonia
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Inman, Esther........Kalamazoo
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Johnson, Mabel.....Ironwood
Johnson, Marie......Plainwell
Johnson, Morgan...Marquette
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Keeler, Louise......Bristol, Ind.
Keenev, Mary.........Morrice City
Keller, Anna M......Buchanan
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Ketelhut, Gertrude......South Haven
Kime, Ethel........Sturgis
King, Jeanette....Kalamazoo
Kinney, Ida........Frontier
Klinesteker, Russell.....Dorr
Knox, Lawrence...Kalamazoo
Koning, Charles......Saugatuck
Koopman, Janetta.....Bitely
Kraft, Eunice.......Sturgis
Kriekard, Mae......Kalamazoo
Kruggel, Otto.......St. Joseph
Lant, Winifred...Grand Rapids
Latshaw, Carrie......Allegan
Laутner, Amelia..Traverse City
LaVanway, Neal......Coloma
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Lehr, Ruth.........Athens
Leonard, Lois.......Delton
Levey, Glenn..........Elsie
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Louwsma, Henry......Zeeland
Loveland, Eva....Kalamazoo
Luce, Heber.........Kalamazoo
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Lund, Marcus.......Suttons Bay
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Schad, Esther..............Moline
Schad, Mildred..............Moline
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Scharmach, Frank...........Grand Rapids

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Schmitz, William........Allegan
Schuler, Frieda...........South Bend, Ind.
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Smith, Emery.............Coldwater
Smith, Geraldine.........Hartford
Smith, Helen.............Hubbardston
Smith, Irene..............Kalamazoo
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Smith, Russel A........South Haven
Snyder, Mabel............Lakeview
Sooy, Donald.............Kalamazoo
Southwick, Marjorie......

St. Louis, Missouri

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Spaman, Jennie........Dunningville
Spaulding, Florence.......Hartford

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Stanton, Mae.............Goberville
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Struble, Louise..........Galesburg
Strunk, Vera..............Colon
Surateaux, J. Le Velle....Holt
Sutton, Leone............Blythe
Swett, Flora..............Battle Creek

Tattersall, Blanche........Sturgis
Taylor, Lula M...........Kalamazoo
Terman, Mark............Larwill, Ind.
Thatcher, Belle........Edwardsburg
Thomas, T. H............Winona
Thompson, Marie.........Sand Lake
Thwing, Josephine........Grand Rapids

Tonkin, Ernestine........Edwardsburg
Tuttle, Archie............Williamston
Tuttle, Mary.............Mattawan
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Tyler, Mabel..............Kalamazoo
Tymes, Henry.............Zeeland

Van Horn, Vena...........Bloomingdale
Van Kerckhove, Leona.....Norway

Vroegindeweij, Robert....Kalamazoo

Wagner, Leslie........Bristol, Ind.
Wagner, Louise.........Grand Rapids
Waite, Dorothy.........Kalamazoo
Walker, Olive............Nashville
Wallace, Neva...........Lawrence
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Watkins, Florence.......Hastings
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Weaver, Pearl............Constantine
Weinberg, Neva........Vicksburg
Welsh, Glenadine......Kalamazoo
White, Bryan Zell......Bangor
Whitman, Minnie B.........White Cloud
Williams, Mabel.............Niles
Willitts, Wallace E......Marshall
Wilson, Florence........Chicago Junction, O.

Witham, Hazel..........Shelby
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Worden, Stewart.........Coloma
Wright, Eva..............Berlin
Wright, Fern.............Bay City

Young, Cecile M.....Kalamazoo
Yowler, Mildred......Paw Paw

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Andrews, Hazel.Benton Harbor
Antes, Anna........Benton Harbor
Ayres, Frank.........Lacota

Birdsall, Mildred......Pentwater
Brown, Fanny........Kalamazoo
Bucknell, Rose.........Plainwell

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Cramer, Ruth.............Fulton
Cross, Eunice.........South Haven

Dolph, Lettie.........Walkerville
Edgell, Etta...........St. Joseph
Eldred, Atha.........Bellevue

Farley, Anna M........Bellevue
Franklin, Kathryn.....Kalamazoo
French, Kittie..........Burlington
Frost, Della...........Battle Creek
Frost, Frances.........Eckford

Gleason, Lyra..........Copemish
Goss, Nora.............Bangor
Greiner, Gladys........Sparta
Gunn, Jesse W....Benton Harbor

Haskin, Verne.........Kalamazoo
Heaven, Dorothy.......Benton Harbor
Henderson, Beulah.....Kalamazoo
Herzog, Catherine.....Watervliet
Herrick, Mary E......Scottville
Hoffman, Sarah.......Holland

Host, Howard..........Berlin
Hughes, Alice.........Delton
Hunter, Lela..........Lansing

Jackson, Nina..........Kalamazoo
Kean, Florence.........Buchanan
Klinesteker, Russel.....Dorr

Lafler, Beatrice......Bangor
Lehr, Ruth...............Athens
Leverich, Inez........Kalamazoo
Lewis, Earl...........Benton Harbor
Lincoln, Beatrice.....Centerville
Long, Olive...........Fowler
Louwsma, Henry.......Zeeland

MacMurray, Ruth.....Kalamazoo
McDonald, Tressa.....Vicksburg
McNamara, Mildred.Kalamazoo
Matson, Mary..........Pentwater

Patterson, Ruby......Kalamazoo
Pearson, Myrtle.....Lake Odessa
Post, Frances.........Kalamazoo

Reed, Blanche....Battle Creek
Rensberger, Louise....Copemish
Richmond, Castella..Kalamazoo
Rynbrandt, John.......Dorr

Sanders, Lucile.......South Haven
Schaap, Jeanette......Zeeland
Shuck, Sarah.........Dighton
Sima, Anna...........Muskegon
Smith, Mary E.........Delton
Smith, Myrtle ........ Bristol, Ind.
Spelman, Florence .... Kalamazoo
Stanley, Leone .......... Indian River
Stanton, Mae ........... Gobleville
Stevens, Hazel ......... Kalamazoo
Sutton, Leone .......... Bitely
Vander Ven, Johanna . New Era
Weaver, Pearl .......... Constantine
Weinberg, Lea ... Vicksburg
Weliever, Edith .... Battle Creek
Wright, Eva .......... Berlin

POSTGRADUATES

Becker, Mrs. Ethel .... Kalamazoo
Bennett, Mrs. Arthur .. Kalamazoo
Bishop, Marie .......... Kalamazoo
Chilson, Claude ....... Jonesville
Conger, Elia ............ Kalamazoo
Dobberteen, Ralph ...... Sturgis
Haskell, Edith ...... Kalamazoo
Powell, Orrin E .. Kalamazoo
Snyder, Ethel .... Battle Creek
Walsh, Joseph ........ Tyre
Weaver, Elmer .... Kalamazoo

HIGH SCHOOL

Ackley, Florence .... Kalamazoo
Aldrich, Fanny ......... Alamo
Armstrong, Gladys .... Kalamazoo
Averill, Walter .... Kalamazoo
Baker, Lavina .......... Kalamazoo
Batson, Charles .... Kalamazoo
Bauer, Katherine .... Schoolcraft
Blakeslee, Theodore .. Kalamazoo
Blowers, Geraldine .. Kalamazoo
Boersma, John .... Kalamazoo
Bogenschutz, Mary .. Kalamazoo
Boone, Margaret ....... Indianapolis, Ind.
Bowland, Curtland ... Kalamazoo
Boyce, Wesley .... Kalamazoo
Boynton, Lucius .... Kalamazoo
Brace, Blanche ...... Kalamazoo
Brownell, Donald .. Kalamazoo
Bryant, W. G .... Kalamazoo
Buckhout, Winifred .. Kalamazoo
Byers, James ........ Houghton
Byers, Robert ...... Houghton
Campbell, Robert .. Kalamazoo
Carpenter, Ruth ... Sand Lake
Chatelan, Ross .... Kalamazoo
Clement, Philip .. Kalamazoo
Cole, Edna ............ Kalamazoo
Coleman, Winifred .. Kalamazoo
Conrad, Luvian ...... Kalamazoo
Cooper, William .. Kalamazoo
Crosby, Donald .... Kalamazoo
Curry, Ruth .......... Kalamazoo
Cutting, Mary ........ Kalamazoo
Dingley, Madalen . Kalamazoo
Drake, Elizabeth .. Kalamazoo
Dresser, Florence .. Hillsdale
Easlick, Lottie .. Kalamazoo
Ell, Robert ........ Kalamazoo
Elliott, Olive Mae .. Albion
Enzian, Leona .... Cressy
Fisher, Sidney .. Kalamazoo
Ford, Charlotte .. Kalamazoo
Fox, Gerald .... Kalamazoo
Garrison, Mary...Hartford
Gary, Lorena...Homer
Gibson, Mrs. Bessie...Burnips Cor.
Gideon, Wilma...Kalamazoo
Gilbert, Le Roy...Kalamazoo
Gildea, Ted...Kalamazoo
Goostrey, Pearl...Scotts
Gorham, Helen...Kalamazoo
Gorham, William...Kalamazoo
Granger, Irene...Kalamazoo
Grawcock, Gertrude...Sturgis

Hart, Leone...Kalamazoo
Hartzell, Helen...Kalamazoo
Hauser, Henry...Kalamazoo
Heald, Grace...Kalamazoo
Helbig, Hannah...Morley
Henderson, Beulah...Kalamazoo
Henderson, Elva...Kalamazoo
Hewitt, Mae...Henderson
Hoard, Sue...Kibbie
Hodgeman, Mildred...Gobleville
Hudson, Mary...Kalamazoo
Humphrey, Dale...Richland
Jacobson, Lorenzo...Kalamazoo
Johnson, Alice...Kalamazoo
Jones, Helen...Kalamazoo

Kealey, Francis...Kalamazoo
Kibby, Zina...Kalamazoo
Kilgore, Martha...Kalamazoo
Kinney, Delbert...Kalamazoo
Kline, Edward...Kalamazoo
Leinaar, Meda...Delton
Long, Reva...Fulton
Loveland, Marjorie...Kalamazoo
Luke, Antoinette...Hart
Lull, Harry...Kalamazoo
Lusk, John...Kalamazoo

MacLagan, Allan...Kalamazoo
MacLagan, Helen...Kalamazoo
McCafferty, Alfred...Mattawan
McGaw, Fern...Oshtemo
McGrady, Alice M...Bay City
McKinney, Dennis...Kalamazoo
Maltby, Gordon...Kalamazoo
Maybee, Rolland...Kalamazoo
Merrill, Paul...Millington
Millar, Leslie A...Bay City
Molhoek, Grace...Kalamazoo
Morton, Ila...Kalamazoo
Moser, Benedict...Kalamazoo
Moser, Lawrence...Kalamazoo
Myers, Lilian...Grand Blanc

Naylor, Milton...Kalamazoo
Nelson, Oliver...Ridgeway, Pa.
Nesbitt, Lolieta...Kalamazoo
Newton, Millard...Kalamazoo
Nichols, Ruth...Kalamazoo
Nicholson, Elizabeth...Kalamazoo

Olsen, Walter...Bay City
Overhiser, Grace...Hopkins
Overloeg, Christopher...Kalamazoo

Pake, Theresa...Kalamazoo
Perry, Bernice...Coldwater
Plummer, MayBelle...Fennville
Porter, MayBelle...South Haven

Randall, P. L...Kalamazoo
Robertson, Dorothy...Kalamazoo
Root, Hazel...Kalamazoo

Schau, Beatrice...Kalamazoo
Schau, Wilma...Kalamazoo
Scheline, Elizabeth...Kalamazoo
Schmuhl, Grace...Kalamazoo
Seseman, Earl...Kalamazoo
Shelven, Glenn...Kalamazoo
Shepherd, Bruce...Kalamazoo
Shepherd, Pearce...Kalamazoo
Shook, Lester...Vicksburg
Sima, Ella...Muskegon
Sims, Margaret...Kalamazoo
Slover, Florence...Kalamazoo
Smith, Edgar...Kalamazoo
Smith, Linnie...Kalamazoo
Smith, Myrtle...Bristol, Ind.
Snyder, Forrest...Fulton
Statler, Frederick...Kalamazoo
Stein, Frank...Kalamazoo
Stickney, Lois...Oshtemo
Stoll, Harold...Kalamazoo
Sweet, Hazel...Kendall
Taylor, Maude...... Kalamazoo
TenCate, Alyce........... Holland
Thompson, Anna...... Gobleville
Tolhurst, Lucy........ Kalamazoo
Travis, Cora........... Kalamazoo
Unrath, Gladys........... Kalamazoo
Wagner, Anna......... Kalamazoo
Ward, Gladys......... Kalamazoo
Westerberg, Laurence... Kalamazoo
Westnedge, Dorothy... Kalamazoo
Whetham, Floyd...... Kalamazoo
Williams, Helen...... Kalamazoo
Wood, Howardine... Springvale
Yeakey, Roy......... White Pigeon

UNCLASSIFIED

Burke, Scott........... Richmond
Curtenius, Alice....... Kalamazoo
Dennis, Helen......... Kalamazoo
Flannery, Archie...... Berea, Kentucky
Forster, Mrs. A. E... Kalamazoo
Fuller, Edith.......... Kalamazoo
Gates, Ruthmary...... Kalamazoo
Gripman, Gertrude... Coldwater
Hoek, Mrs. Esther.... Kalamazoo
Honey, Frances....... Kalamazoo
Huizinga, G. J...... Kalamazoo
Huntington, Mrs. Mary........ Kalamazoo
Johnson, Oliver.... Vandalia
King, Isabelle....... Kalamazoo
Kingsbury, Mrs. H. J...... Kalamazoo
Mackey, A. L......... Kalamazoo
Maloney, Carl........ Kalamazoo
Mattoon, Cecil....... Owosso
Milham, Irving....... Kalamazoo
Myers, Frederika... Kalamazoo
Netcher, Harry....... Quincy
Orcutt, Constance... Kalamazoo
Rasmus, Olive....... Kalamazoo
Schuur, Reint P..... Kalamazoo
Sergeant, Florence... Kalamazoo
Sherwood, Cecil..... Bangor
Siewart, Herman.... Kalamazoo
Van Vranken, Isabel... Kalamazoo
Ware, Mrs. Frances... Kalamazoo
Winey, Vernor...... Kalamazoo
Wood, Edwin....... Kalamazoo

Total enrollment Summer Term 1916......................... 1220
Total enrollment Regular School Year........................ 1045

Total .................................................. 2265
Names appearing twice.......................... 110
Total number of different students............... 2155
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