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PANORAMIC VIEW OF NORMAL BUILDINGS
SUMMER TERM

OF THE

Western State Normal School

KALAMAZOO, MICHIGAN

Monday, June 28, to Friday, August 6 1915
FACULTY OF THE SUMMER SCHOOL

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

FANNIE L. BALLOU,
Second Grade, Training School.

MAUDE BAUGHMAN,
English.

AMELIA BISCOMB,
English.

ARTHUR E. BOWEN,
Manual Training.

ERNEST BURNHAM, Ph. D.,
Rural School Director.

N. W. CAMERON, Ph. D.,
Education.

MINNIE M. CAMPBELL,
First Grade, Training School.

C. H. CARRICK, A. B., Superintendent of Schools, Charlotte,
Geography.

ALICE E. CLARK, B. S.,
Domestic Art.

W. E. CONKLING,
Civics.

BERTHA S. DAVIS,
Public School Music.

SUSIE M. ELLETT, A. B.,
Rural Observation School.

JOHN P. EVERETT, A. M.,
Mathematics.

IVA J. FERREE,
Fourth Grade, Training School.

ELVA M. FORNCROOK, A. B.,
Expression.

JOHN E. FOX, A. B.,
Physics.

HELEN M. FROST, Graduate of Sargent School,
Physical Education.

LUCY GAGE,
Kindergarten.
BESSIE B. GOODRICH,
Rural School Methods.

CYNTHIA A. GREEN, Commissioner of Schools, Eaton County,
Rural School Management.

H. P. GREENWALL, B. L.,
Penmanship.

GERMAINE GUIOT, Graduate of Sargent School,
Physical Education.

LUCIA C. HARRISON, A. B.,
Geography.

L. H. HARVEY, Ph. D.,
Biology.

H. GLENN HENDERSON,
Public School Music.

T. PAUL HICKEY, A. B.,
History.

BEULAH HOOTMAN,
Public School Music.

FRED S. HUFF, Public Schools, Kalamazoo,
Manual Training.

V. R. HUNGERFORD, A. M., Commissioner of Schools, Van
Buren County,
U. S. History.

ALSON L. HYAMES, A. M., Public Schools, Kalamazoo,
Geography.

JUDSON HYAMES,
Geography.

C. D. JENNINGS, Public Schools, St. Joseph,
Arithmetic.

FRANK A. JENSEN, A. M., Superintendent of Schools,
Benton Harbor,
Education.

GEORGE A. JILLSON, A. B.,
Mathematics.

ELEANOR JUDSON, Graduate of Pratt Institute,
Public School Art.

MARY E. JUDSON, Public Schools, Grand Rapids,
Public School Art.

LLOYD MANLEY,
Manual Training.
HARPER C. MAYBEE,
Public School Music.
W. J. McKONE, Supt. of Schools, Albion,
Civics.
NELLIE M'CONNELL,
Third Grade, Training School.
WILLIAM McCracken, Ph. D.,
Chemistry.
L. A. McDIARMID, A. B., Superintendent of Schools, Marshall,
Mathematics.
MARY A. MOORE,
Domestic Science.
FLORENCE B. MURPHY, A. B.,
English Language and Literature.
ROSE NETZORG,
Public School Art.
BLANCHE PEPSEL, Director of County Normal, Traverse
City,
Geography.
J. ALLEN PETRIE, B. S.,
Biology.
ROBERT M. REINHOLD, B. Ph.,
Education and Normal Extension.
F. E. ROBINSON, Commissioner of Schools, Branch County,
Rural School Department.
G. EDITH SEEKELL,
Sixth Grade, Training School.
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Physical Education.
GEORGE SPRAU, A. M.,
English Language and Literature.
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Education.
EMELIE TOWNSEND, B. S.,
Acting Director, Training School.
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Manual Training.
CAROLINE WAKEMAN, Ph. B.,
History.
EVA WARRINER, Director of County Normal, Marshall,
Reading and Grammar.
ELISABETH ZIMMERMAN, A. B.,
German.

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Librarian.
ANNA L. FRENCH,
Assistant Librarian.
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Assistant Librarian.

OFFICES

KATHERINE NEWTON,
Secretary.
KATHERINE SHEAN,
Assistant Secretary.
MARIE C. COLE,
Clerk, Training School.
Summer Term of the Western State Normal School

The twelfth annual summer term of the Western State Normal School will open June 28, 1915, and continue six weeks, closing August 6. Students will be enrolled and classified on Monday, June 28, and classes in all departments will begin recitations on Tuesday, June 29. Nearly all of the regular instructors of the Normal School will remain in residence during the Summer Term, and will be assisted by a number of outside teachers selected for their efficiency in special lines of work.

LOCATION

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, 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 here crossed 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 and 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 will be in operation before the opening of the summer term. 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.

PURPOSE OF THE SCHOOL

The purpose of the school as constituted by law is to prepare teachers for the public schools. The work of the Normal 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 course of study in the Western State Normal School has 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 is fostered at all times.

The responsibility for the proper attitude of students toward the school and community is necessarily for the most part thrown upon the students themselves. While it is the purpose of the school to incite the student continually to higher and better ideals of character and public service, it is impracticable for a normal school to attempt the task of reforming young men and 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.

During the summer term special attention will be given to those who are already teaching. Courses of study, plans of work, methods of instruction, will be shaped to the needs of teachers now engaged in the profession.
BUILDINGS

1. Administration Building. This structure contains, in addition to the administration offices, fourteen class rooms, an assembly room, and the library and reading room. 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 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. The 1st, 2nd, 3rd, 4th, 6th, and 7th grades will be in regular session each forenoon during the first five weeks of the term, affording students opportunity for observation. The training school building will also provide recitation rooms for review classes.

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. All classes in public school gymnastics will meet in the gymnasium.

4. Science Building. The new science building will be fully equipped and in general use during the summer term. It 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 psychology 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 Training. The department of manual training 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 LIBRARY

The Library numbers 14,000 volumes. It includes good working material of recent date. Book purchases have all been made within ten years. The departments of Art, Domestic Art and Science, Education, English, German, History, Manual Training, Mathematics, Music, and Science are all well represented. Large additions of reference material have been made during the past year.

One hundred and forty-six periodicals are taken and thirty-seven complete sets are shelved in the reading room; students are given free access to reading room and stack room.

A representative selection of children's books is furnished by the State Library. This collection is open for inspection and gives an unusual opportunity for teachers to become acquainted with the best books for children in the most suitable and attractive editions.

The Kalamazoo Public Library with a collection of 45,000 volumes is open to all students of the Normal School.

CREDIT

Credits applying on the certificate courses may be earned in any of the subjects regularly required. Twenty-four weeks (one-half of a full term's credit) is usually the maximum credit for any student during the summer term. Classes reciting daily ordinarily earn six weeks of credit, while those reciting twice each day earn twelve weeks of credit. Review classes are not credited on the certificate courses except in the Rural School department.

DEMAND FOR TEACHERS

There is an increasing demand for trained teachers throughout the state and in the country at large. The tendency of salaries is upward, and teaching is nearer a profession than ever before. Graduates of the Western Normal are in demand, and much care is exercised in placing students of the school where the likelihood of success and the opportunity to serve are greatest.

EXPENSES

The tuition fee is $3.00 for all students who reside in Michigan. For those living outside of Michigan the fee is $5.00. There is a fee of $1.00 for the support of athletics.
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 is from $4.00 to $5.00 a week. The entire expense in Kalamazoo for the six weeks' summer term need not exceed $35.00 to $50.00.

The city of Kalamazoo affords many opportunities for remunerative employment for both young men and young women. Students desiring work with a view to lessening the expense of attending school are assisted in securing employment of various kinds.

**THE NORMAL CO-OPERATIVE STORE**

The Normal Co-Operative Store which has been in operation during the past three years will be open during the summer term, affording opportunity for students to purchase books and other necessary supplies at low prices.

The Co-Operative Store enjoys a large student patronage. During the present school year the store has transacted a business of approximately $11,000.

**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 for ten issues. The July number this year will be devoted almost entirely to the interests of the summer school.

**ATHLETICS**

Due attention will be given to various forms of athletics during the summer term. Baseball and tennis will be prominent features of outdoor athletics. Five tennis courts will be at the disposal of students, and attention will also be given to other outdoor games and sports that may be used in public schools.

The new athletic field of 14 acres lies just across Oakland Drive from the Normal campus. The field has been graded, seeded, and drained. A diamond and a gridiron have been laid
out and the new up-to-date quarter mile track will be in use during the summer term.

SOCIAL LIFE

As in former years a social committee selected from the faculty will provide special features of entertainment with a view to securing a variety of interests and affording opportunities for extending acquaintance among the students.

Social gatherings similar to those of last summer, which will be so pleasantly remembered by all students who were in attendance, will be included in the general program which has been planned for the enjoyment of members of the summer school.

General student parties are scheduled for the following dates: Wednesday, July 7; Thursday, July 15; Wednesday, July 28.

NEW LAW REQUIRES PROFESSIONAL TRAINING

A bill which has just become law by action of the Michigan legislature provides that after 1916 all teachers in the public schools of Michigan must have had not less than six weeks' of professional training. This means that the normal schools of Michigan will all have unusual attendance during the summer term of 1916. Students graduating from Michigan high schools in 1915 who are planning to teach should attend summer school this year to avoid the congestion which will otherwise result in 1916.
Courses Offered

The courses offered in the summer term are as follows:
1. Regular certificate.
2. Review.
3. Extension.
4. Lecture.

REGULAR CERTIFICATE COURSES
A large number of classes will be formed in the branches included in the regular certificate courses. Several of these classes in the Life, Graded, and Rural Certificate groups will meet twice daily, thus enabling a student to cover the work of two twelve week courses during the summer term. Classes will be formed in a wide variety of subjects in the departments of Art, Commercial Work, Domestic Art and Science, Education, English Language and Literature, Expression, Geography, German, History and Civics, Library Methods, Manual Training, Mathematics, Music, Physical Training, and Science.

REVIEW COURSES
Review classes will be formed in all of the common school branches. These classes will be of special benefit to students and teachers who are preparing for the county examinations to be held in August. Opportunity will be offered for reviewing subjects included in the first, second, and third-grade examinations. As there will be no summer schools or institutes this year in the counties near Kalamazoo all teachers are urged to take advantage of the unusual privileges offered at the Western State Normal. Credits earned during the six weeks' term are recorded, and in some subjects apply on certificate courses. There will be thorough reviews, and in addition courses will be so arranged in many subjects that students attending two or more summer terms may pursue work in a given study without duplicating subject matter.

The subjects in which review courses will be offered are Agriculture, Algebra, Arithmetic, Botany, Civil Government, Course of Study, General History, Geography, Geometry, Grammar, Orthography, Penmanship, Physics, Physiology, Reading, School Law, Theory and Art of Teaching, and United States History.
DEPARTMENT OF RURAL SCHOOLS

A special department gives careful attention to the preparation of teachers for country schools. The number of school districts which pay a salary sufficient to command the services of specially prepared teachers, is rapidly increasing. The courses offered here to fit teachers to meet successfully the progressive demands of the districts, are the result of experience accumulated in working at this problem through the eleven years since the establishment of this institution.

Two groups of students are seeking special preparation for teaching rural schools. High school graduates who desire to teach in rural schools are offered Course I, which may be completed in one year and one summer term. This course leads to a certificate which is good for three years in any public school in Michigan, up to the tenth grade. Graduates of this course may complete the Life Certificate Course in one year.

Another group of students who desire preparation for rural school teaching is made up of young people who have not completed a high school course. Course II is offered this group. Students who have completed ten grades of public school work may complete Rural Course II in two years; and students who have had eleven grades of public school work may complete this course in one year. Students who have not had ten grades of school work may advance by enrolling in the High School Department until they are prepared to enter Rural Course II. The completion of Course II requires the same total weeks' credit as is required for graduation from a high school of twelve grades. A teacher's certificate good in any one, two, or three-room school in Michigan for five years is given at the completion of this course. Graduates of this course may complete Rural Course I in one year and one summer term, and the Life Certificate Course in two years.

Graduates of County Normal Training Classes who have finished the tenth grade or its equivalent before entering the Training Classes may finish Course II in one year and Course I may be finished by them in two years and one summer term. Graduates of County Training Classes who have completed eleven grades before entering the Training Classes may complete Course I in one year and one summer term. Graduates of County Training Classes who have completed twelve grades before entering the
A VIEW FROM THE NORMAL
Training classes may complete Course I in one regular term and one summer term. Graduates of the County Training Classes, who attend a state normal for twelve weeks to answer the requirements for the second renewal of their certificates, should advise with the director of this department about their classification. Students in any course who look forward to teaching in County Normal Training Classes, should elect courses in this department.

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 are given in descriptions of subjects in subsequent pages.

Summer school students and others interested in rural school teaching are asked to interview or to write to the Director of the Department of Rural Schools.

COUNTY NORMAL DIRECTORS AND CRITICS

There is offered this summer a course in County Training Class Problems, and demonstration of rural school teaching will be given each forenoon in the Oakwood Rural School. This course is especially for teachers who are planning to teach in County Training Classes.

EXTENSION COURSE

In 1905 the State Board authorized the granting of an extension life certificate to mature students who (1) are high school graduates, (2) have taught six years, and (3) under the direction of the Western State Normal School faculty have completed work as follows: (a) three summer terms in residence, (b) two years of non-resident work. This non-resident work is either (1) class work at some center within range of the school where an instructor can meet the students once a week, usually on Saturdays, or (2) carefully organized courses taken by correspondence.

The Western State Normal School from its foundation, has permitted properly qualified students to avail themselves of this
opportunity. During the past seven years 95 students have completed this course.

The purpose of this arrangement has been to meet the needs of those who are otherwise deprived of opportunities for growth and advancement. The fear that students by taking this course would be led aside from undertaking resident study, has not proved real; in fact, one of the important results has been an increase in the number of students who, after undertaking the extension course, have come to see that it was more possible than they had thought to enter upon and complete the life certificate course in residence.

A higher grade of work is necessary to satisfy extension course requirements than of average residence courses. It is the student whose experience has trained him to effective methods of organization who can profit most by studying under the direction of an absent instructor.

A special announcement of this department will be furnished on application to the Secretary.

LECTURES

Dr. David Snedden, Commissioner of Education of the Commonwealth of Massachusetts, will lecture on, "The Revision of Educational Aims." Dr. Snedden is a recognized leader among the prominent educators of the United States. He will present a clear, forceful, and inspiring discussion of the topic selected.

Hon. Fred L. Keeler, Superintendent of Public Instruction of Michigan, will deliver an address on, "Some Fundamentals in Education." Superintendent Keeler is rapidly attaining high rank as an expert educational administrator. He is an attractive and forceful speaker and will be greatly enjoyed by all who hear him.

Hon. C. N. Kendall, Commissioner of Education of the State of New Jersey, will deliver an address on, "Realizing the Purposes of Education." Superintendent Kendall was for many years in charge of the schools of Indianapolis and is well and favorably known to the school men in Michigan. He formerly served as
Superintendent of Schools in several cities of Michigan. He is easily one of the ablest school administrators of the present time and his welcome to the Western Normal will be most cordial.

Hon. F. G. Blair, Superintendent of Public Instruction of Illinois, will lecture on, "Frankenstein and Modern Education." Superintendent Blair is one of the ablest students of public school education in the United States. As a public speaker he is logical and eloquent. His address will be a treat for all.
Details of Departments

Courses bearing numbers from 1 to 99 are offered in the Review and High School Courses; those from 101 to 199 receive credit in the Rural, Graded School, and Life Certificate Courses.

Courses in the High School and Rural School Departments which are the same as the courses in the Graded School and Life Certificate work, are given the numbers of the latter.

ART

RURAL, GRADED, AND LIFE CERTIFICATE COURSES

101. Drawing from Nature. This course aims to enlarge the appreciation and knowledge of the world of nature by expressing various phases of the landscape, also by the study and expression of flowers, grasses, fruits, and other nature subjects, including figure and animal studies in various mediums, pencil, crayon, and water-color. The nature motifs studied form the basis for problems in design which are applied to practical school problems. 12 weeks' credit. MISS NETZORG.

102. Perspective and Blackboard Work. This course aims to enlarge the appreciation and understanding of the common forms around us, and to develop knowledge and skill in rendering the appearance of forms included under the study of cylindrical and rectangular perspective. 12 weeks' credit. MISS E. JUDSON.

103. Construction. This course takes up the subject of hand work in the grades, and includes the working out of simple problems in weaving, basketry, clay modeling, stenciling, and book-binding. This course may be taken without previous courses in Art. 12 weeks' credit. MISS M. JUDSON.

104. Design. This course includes the study of the principles of pure design as expressed in line, dark and light, and color. Some problems showing application of design in block printing, stenciling, pottery, leather and metal work are included in this course. 12 weeks' credit. MISS E. JUDSON.

Note: Teaching Art in the Training School by Miss Judson, nine to eleven daily.
BIOLOGY

REVIEW AND HIGH SCHOOL COURSES

10. Physiology. An elementary review course for teachers preparing for the fall examinations. While the functions of the various systems of the body will be especially emphasized, yet enough anatomy will be given to furnish an understanding of the various organs. Peabody's Physiology will form the basis of the course. Bring all available text books.

MR. PETRIE.

11. Botany. A review course designed to prepare teachers for the county examination. Bergen's Elements of Botany will form the basis of this course. Bring all text books available.

DR. HARVEY.

12. Agriculture. A review course designed to prepare teachers for the fall examination. This course will cover the whole general field of agriculture, dwelling on those phases which seem practical. Students should bring whatever agricultural text books they have for reference. "High School Agriculture" by Mayne and Hatch will form the basis of the course.

MR. PETRIE.

RURAL, GRADED SCHOOL, AND LIFE CERTIFICATE COURSES

3. Nature Study. The place of Nature Study in the curricula of the elementary and rural school is definitely assured. Most teachers feel a lack of preparation not only in regard to subject matter, but in methods of presentation. The purpose of this course is to present the ideals and methods of nature study, to acquaint the student with available materials and 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—especial stress being placed upon tree, bird, flower, and insect study. Kalamazoo offers in its diverse habitats many localities of unusual interest, making an ideal center for nature study work. Students should bring clothing suitable for tramping, collecting cases, hand lenses, etc. Four afternoons of each week will be devoted to the work. 12 weeks' credit.

DR. HARVEY.

MR. PETRIE.
120. **Organic Evolution.** The main object of this course is to present to the general student a comprehensive introduction to our present day knowledge of the factors and phenomena of organic evolution to the end that he may acquire a philosophy of nature and a recognition of man's place in nature as a basis for his thought and conduct. Twice daily, 12 weeks' credit. 

**DR. HARVEY.**

### CHEMISTRY

#### REVIEW AND LIFE CERTIFICATE COURSES

1, 2. **General Inorganic Chemistry.** This course will be devoted to a study of either the metals or the non-metals according to the needs of those taking the course. Laboratory work is required. Twice daily, 12 weeks' credit. 

**DR. McCRACKEN.**

4. **Review Chemistry.** This course will include a rapid review of the whole field of inorganic chemistry. Especial stress will be laid upon the mathematical, theoretical, and commercial aspects of the subject. Once daily. No credit. 

**DR. McCRACKEN.**

5. **Qualitative Analysis,** corresponding to Course 105 of the regular school year. Lectures twice a week. Laboratory work arranged to suit the needs of those taking the course. Either 6 or 12 weeks' credit. 

**DR. McCRACKEN.**

6. **Chemistry of Common Things.** No previous knowledge of the subject required of those taking this course. The aim is to acquaint the student with some of the ordinary household chemicals. Twice daily. 12 weeks' credit. 

**DR. McCRACKEN.**

**Note:** If enough students to make a class desire special work, arrangements will be made to take care of them.

### DOMESTIC ART

103a. **Plain Sewing.** A combination of machine and hand work in the making of a four-piece suit of underwear. Discussions on pattern making, materials, and various methods of finishing and trimming. 6 weeks' credit. 

**MISS CLARK.**

103b. **Dressmaking.** This course aims to give the student a practical knowledge of drafting, designing, making, fitting, and finishing tailored shirt waist suits and simple summer dresses.
Each student will make a shirt waist and tailored skirt of a suitable cotton or linen material, and a simple muslin dress. 6 weeks' credit. MISS CLARK.

110. Art Needlework. The object of this course is to acquaint the student with various kinds of embroidery and artistic needlework. The work will include applique, hemstitching, simple drawn work, feather stitching, Bermuda fagoting, fancy darning, scalloped edges, dots, eyelets, and French embroidery, applied to household linens, pillows, table runners, and articles of clothing. 6 weeks' credit. MISS CLARK.

DOMESTIC SCIENCE

107. Cooking. This course offers practical work in the cooking of all classes of foods, such as cereals, vegetables, meats, eggs, bread, pastry, salads, and desserts. The work is planned to meet the needs of those outside of the Domestic Science department who desire practical work in cooking. 6 weeks' credit. MISS MOORE.

108. Cooking. This course will be given if a sufficient number enroll. The work includes the planning, cooking, and serving of meals at various costs. It is desired that those entering this class should have had some work in cooking. 6 weeks' credit. MISS MOORE.

EDUCATION

RURAL, GRADED SCHOOL, AND LIFE CERTIFICATE COURSES

1. School Management and Law. It will be the aim of this course to make as thorough a study as time will permit of the State Course of Study for Rural Schools, the General School Laws, and School Management. Students who own books on school management and related subjects should bring them. This course is intended to aid all who are preparing for the August county teachers' examinations, in three regular examination topics: Theory and Art, Course of Study, and School Law. 6 weeks' credit. MISS GREEN.

101. Elementary Psychology. The greater part of the time of this course will be given to gaining facility in dealing with the problems of elementary psychology and in the use of the necessary vocabulary and materials. It is intended also to lay the
foundation for the student's later work in education and especially to assist him to a better understanding and control of his own methods of study. Required in Graded School and all Life Certificate Courses. 12 weeks' credit.

DR. CAMERON.

102. Child Study. By means of definite assignments for observation and the careful study of children, the student will have opportunity to gain further acquaintance with the interests and activities of the various stages of child life and youth. This will be supplemented by the reading of some of the more significant studies that have been made, by acquaintance with the more important conclusions and problems that have been formulated and by observations in the Training School. Required in Graded School and General Life Certificate Courses. Prerequisite, Course 101. 6 weeks' credit. DR. CAMERON.

106. History of Modern Education. The development of the school in its relation to other social organizations. Especial attention will be given to the historical conditions and the men most significant in the understanding of present-day problems. Required in all Life Certificate Courses. Prerequisite, 102, 103, 104, or 105. 12 weeks' credit. MR. JENSEN.

107. Advanced Psychology. The aim of this course is a careful study of such problems in psychology and education as the learning process, the reasoning process, habituation and inhibition in the light of the student's previous experience and training and with the aid of as much experimentation as is practicable in the class and in small groups of the class. It will be aimed so to formulate the results of this study as to make it serviceable in teaching and as a basis for independent study and research. Prerequisite 101. 12 weeks' credit. MR. REINHOLD.

108. School Organization and Administration. This course is intended primarily for those students who are or intend to be superintendents or principals of schools. It will be of value, however, to other teachers who wish to understand better the conditions of efficiency in school relationships. A study will be made of some of the books and periodical literature of the subject in an effort to determine influences which are manifesting
WORK OF DESIGN CLASS
themselves in school supervision, curricula, organizations, etc. Elective. 12 weeks' credit.  

MR. JENSEN.

109. School Hygiene. The necessity of conserving the health of the child is being more and more emphasized. Hence the problems of mental and physical hygiene of the child as well as those of the various institutions as they relate to the child call for our earnest consideration. Among the topics taken up in this course will be the periods of development; the different methods of determining the age of the child; school diseases and medical inspection; measurements and tests; time tables; home study; examinations; fatigue; posture; school grounds, buildings and decoration, and other agencies connected with the child's efficient development. Reports of actual conditions found and of possible methods of improvement will be requested. 6 weeks' credit.  

DR. CAMERON.

110. The Philosophy of Education. In this course it will be the endeavor to gain some idea of the principles of education in accordance with the relevant laws of biology, psychology, sociology, and philosophy. Assignments will be made to the writings of Rosenkranz, Tate, Cole, Dewey, MacVannel, and others who have attempted to state the nature of education in the light of its broader and deeper aspects. Elective. 6 weeks' credit.  

MR. REINHOLD.

116. Rural Education. A study of the organization, administration and curricula of rural schools. The possibilities of industrial subjects in rural schools will be considered. Lectures, class discussions, and special reports will be supplemented by conferences to be announced in which visiting lecturers and others will participate. Elective. 12 weeks' credit.  

DR. BURNHAM.

ENGLISH

REVIEW, RURAL II., AND HIGH SCHOOL COURSES

7. Review Grammar. The purpose of this course is a thorough review for those who are making preparation for the county examinations. It is not accepted as credit for the course in grammar.  

MR. ROBINSON.

99. Preparatory Composition. The elements of composition are treated under both form and content. The course deals with
punctuation, word usages, paragraph and sentence structure, and business and social forms in letter writing. Daily practice is afforded in both oral and written composition. 12 weeks' credit.

MISS BAUGHMAN.

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. Several classics, including any that may be needed for teachers' examination, will be studied carefully in class. The course will also be an object lesson in the way of using literature and reading effectively with classes in school. 12 weeks' credit.

MRS. BISCOMB.

RURAL I., GRADED SCHOOL, AND LIFE CERTIFICATE COURSES

101. Composition. The aim of this course is to stimulate thinking and to arrange the result of one's thinking with a view to clear and effective expression in the English language. Some attention is given to conventional mechanics of writing, such as spelling, punctuation, and paragraphing; but special emphasis is laid on thinking and organizing thought. With this end in view, some stimulating book will be read and much time will be devoted to oral and written presentation of interesting lines of thought suggested. 12 weeks' credit. MR. SPRAU.

103. Literary Material for the Grades. (Course 102 prerequisite.) The purpose of this course is to introduce the student teacher to material which is adapted to his work in the training school or for later independent class-room experience. One hour is devoted daily to discussion and criticism (1) of chapters in MacClintock's "Literature in the Elementary School"; (2) of literary material mentioned in MacClintock considered from the points of view of its fitness for children in school and of its value as real literature. The second hour is given up to lectures on the principles of literary criticism; these lectures are supplemented by suggestions for guidance in reading and for the making of bibliographies. 12 weeks' credit. MISS MURPHY.

112. Lyric Poetry. The aim of this course is to make a detailed study of the nature and elements of poetry in order that the student may be better able to criticize, interpret, and enjoy the greater things in poetry. Some time is given to the study of the structure of poetry; but more time is devoted to reading and interpretation. 12 weeks' credit. MR. SPRAU.
EXPRESSiON 
REVIEW COURSES

1. Reading and Orthography. A careful study will be made of "The American Scholar" by Emerson. This essay is the basis for the county teachers' examination in Reading in August. In Orthography a thorough study of Pattengill's Orthography will be made. MISS WARRINER.

RURAL, GRADED, AND LIFE CERTIFICATE COURSES

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. 12 weeks' credit. MISS FORNCROOK.


GEOGRAPHY
REVIEW COURSE

5. Review Geography. This review course is planned to prepare for the examination in August and October. MR. CARRICK.

RURAL I., GRADED SCHOOL, AND LIFE CERTIFICATE COURSES

101a. Land Forms. A study (1) of the common rocks and minerals—materials out of which the land forms are made and the basis of mineral industry; (2) land forms in relation to their origin, studied with contour maps and blackboard drawing; and (3) a study of the physiographic regions of the continents. Several field trips supplement the work of the class-room. 6 weeks' credit. This course is equivalent to one-half of Course 101. Given during the year. MISS HARRISON.

102a. Climatology. A study (1) of the earth in relation to the Solar System; (2) of the chief facts of Mathematical Geog-
raphy; (3) of the atmosphere in general and the part it plays in the heating, lighting, and watering of the earth; and (4) the study of the leading climatic features of the climatic regions, and a brief notice of the characteristic plants, animals, and people of these regions. 6 weeks' credit. This course is equivalent to one-half of Course 102. MISS HARRISON.

Note: Courses 101a and 102a are fundamental to all work in regional geography.

103a. North America. A study of the leading geographical relations and the industries of Canada, the United States, and Mexico. 6 weeks' credit. MISS PEPPLE.

106a. Commercial Geography. A study of the leading facts of the industry and commerce of the chief producing regions of the world. 6 weeks' credit. MR. ALSON HYAMES.

108. The Geography of Michigan. A study of the natural features, form, relief, minerals, lakes, forests, rivers, and the industries, together with a brief presentation of the leading characteristics of the chief sections of the state, the Copper Country, Iron Regions, Traverse Bay Country, Saginaw Valley, Grand River Valley, the "Palm of the Hand," the "Thumb," etc. 6 weeks' credit. MR. JUDSON HYAMES.

3. Geography of American History. 12 weeks' credit. MISS HARRISON.

GERMAN

GRADED SCHOOL AND LIFE CERTIFICATE COURSES

101. Elementary Course. Twice daily. The aim of this course is to give the student a knowledge of the rudiments of German grammar and facility in reading and reproducing easy German. A number of texts will be read and discussed in German. 12 weeks' credit. MISS ZIMMERMAN.

114. Intermediate Course. The study of some drama or prose narrative, to be selected to meet the needs of the class. A review of German grammar and syntax and practice in speaking and writing the language. 6 or 12 weeks' credit. MISS ZIMMERMAN.

115. Teachers' Course. This will be primarily a course in German conversation, especially designed for those who feel that
THE NEW SCIENCE BUILDING
their knowledge of the spoken language is adequate for present day demands in modern language instruction. The work will consist of the discussion of German texts in German and the writing of compositions and reproductions. 6 or 12 weeks' credit.

MISS ZIMMERMANN.

Note: A course in German Dramatics may be substituted for German 114 or 115, or may be taken in connection with one of them. Modern German plays will be studied and learned, and at least one will be presented on the outdoor stage. This course is especially recommended to teachers who are planning to do such work in connection with their classes.

HISTORY

REVIEW, RURAL II., AND HIGH SCHOOL COURSES

12. General History. A review course for students expecting to take the examination for second grade certificate. The class will meet twice daily. 12 weeks' credit in High School course. MISS WAKEMAN.

13. United States History. A review course to meet the needs of students preparing for the August and October examinations. Four sections will be formed and a credit of 6 weeks in Rural School course may be earned. MR. HUNGERFORD.

14. Civil Government. This course is planned primarily for students who wish to prepare for the August and October examinations. Four sections will be formed. Bring any text books available. MR. McKONE.

RURAL I., GRADED SCHOOL, AND LIFE CERTIFICATE COURSES

101-2. United States History. Emphasis will be laid upon the different periods according to the needs of the class. Special attention will be given to choice of subject matter and bibliography suitable for grade work. 12 weeks' credit. MR. HICKEY.

105. Mediaeval Europe. A study of the chief characteristics of the period in relation to modern civilization. 12 weeks' credit. MISS WAKEMAN.

102. Europe, 1643-1815. Particular emphasis will be placed on the explanation of present conditions in Europe. 12 weeks' credit. MR. HICKEY.
113. Rural Sociology. A study of social relations and the agencies for social progress in village and country. The place of the school in community welfare is the large question considered. Attendance at the conferences in Rural Education 116 will be one of the requirements of this course. Rural Course I. and elective. 6 or 12 weeks' credit. DR. BURNHAM.

LIBRARY

TEACHERS' COURSE IN THE USE OF BOOKS AND CHILDREN'S LITERATURE

This course arranged by the State Board of Library Commissioners will extend through the six weeks of the summer School. Instruction will be given daily in the form of lectures and practical problems in connection with the Commission's special library.

101. Library Methods. General work consisting of daily discussion of children's books taken from the selected library, use of lists and bibliographies, and one week each of lectures on Children's Reading and on Reference Books, given by specialists in these branches, sent by the Library Commission. The purpose of the work is to acquaint teachers with the best and most helpful material and method for work supplementary to the regular curriculum. 6 weeks' credit. MISS BRALEY.

102. Library Methods. Elementary methods of library administration, accession, classification, cataloguing, etc., given with the purpose of making it possible for the teacher in charge of the school library to care for it and use it in the most efficient way, rather than for the purpose of training professional librarians. 6 weeks' credit. MISS FRENCH.

MANUAL TRAINING

The Manual Training classes in Shop Work will be given in the new Kalamazoo Manual Training School and the new Science Building. The shops of the new buildings have been splendidly equipped with machinery for wood-turning, pattern-making, and blacksmithing. During the summer term classes in Manual Training will visit some of the shops and industries of Kalamazoo and vicinity.
LIFE CERTIFICATE COURSE

101. **Beginning of Wood Work.** Instruction in whittling, toy making, and elementary bench work for grades. Use of wood working tools, selecting lumber and finishing. 12 weeks' credit.  
   MR. HUFF.

102. **Cabinet Making.** Advanced work in hand work. Construction of practical furniture, estimating costs, figuring stock bills, selecting lumber, and finishing. Prerequisite Course 101. 12 weeks' credit.  
   MR. HUFF.

103. **Forging.** Exercises in drawing-out, up-setting, twisting, welding, bending, hardening and tempering, chipping, filing, use of drill press, shear and punch. 12 weeks' credit.  
   MR. WAITE.

104. **Wood-turning.** Use of lathes and care of tools. Spindle, face plate, and chuck turning. Polishing and finishing of article made. 12 weeks' credit  
   MR. MANLEY.

105. **Pattern Making.** Solid, parted, and loose-piece patterns. Molding and casting of patterns made. Prerequisite Course 104. 12 weeks' credit.  
   MR. MANLEY.

106. **Machine Shop.** Use of lathes, drill-press, planer, etc. Bench work and finishing castings, fitting and filing. 12 weeks' credit.  
   MR. WAITE.

108. **Mechanical Drawing.** Simple elementary and geometrical problems, use and care of instruments, and lettering. Plans and elevations of simple shop problems. 12 weeks' credit.  
   MR. BOWEN.

109. **Mechanical Drawing.** Continuation of descriptive geometric problems. Lettering and drawing shop problems. Prerequisite Course 108. 12 weeks' credit.  
   MR. BOWEN.

110. **Mechanical Drawing.** Isometric projection, evolutions, intersections, penetrations, etc. Prerequisite Course 109. 12 weeks' credit.  
   MR. BOWEN.

111. **Mechanical Drawing.** Machine details, mechanical shading, design for equipment tracing, and blue printing. Prerequisite Course 110. 12 weeks' credit.  
   MR. BOWEN.
112. Architectural Drafting. Plans, elevations, details, specifications and tracings complete of some building chosen by the student or a practical manual training building. 12 weeks' credit. MR. BOWEN.

113. Organization. History of Manual Training. Course of study, arrangement of equipment, and planning of buildings. Selecting and purchasing tools and supplies. 12 weeks' credit. MR. WAITE.

MATHEMATICS

REVIEW, RURAL II., AND HIGH SCHOOL COURSES

1. Rural School Arithmetic. This course reviews the entire field of grade arithmetic, giving especial attention to the needs of the rural schools. Much attention will be given to problems bearing on farm and home life. In connection with the course, instruction will be given in grading pupils in arithmetic, and that part of the State Manual bearing on this subject will be reviewed. 12 weeks' credit. MR. JILLSON.

7. Plane Geometry. Designed for those preparing for teachers' examination and those desiring a review of the subject as a preparatory subject. Much attention is given to method of attack. MR. JILLSON.

13. Arithmetic. A review for those desiring to prepare for teachers' examination. Sections will be organized for all grades of county certificates. MR. JENNINGS.

14. Algebra. Review course for those preparing for teachers' examination or for students who wish to review the subject as a preparatory course. MR. McDIARMID.

RURAL I., GRADED SCHOOL, AND LIFE CERTIFICATE COURSES

101. Arithmetic. A teachers course. To elect this course the student should have a knowledge of geometry and of the beginners' course in psychology. The work consists of two parts, divided as follows:

(a) A study of the origin of number and its use. The history of the development of the subject matter of arithmetic, and
methods of teaching the subject. Assigned readings and classroom discussions form a prominent part of this work.

(b) Review of some of the more difficult parts of arithmetic. 12 weeks' credit.


MR. EVERETT.

103. Plane Trigonometry. This is equivalent to the work done during the regular session. Solution of triangles by both natural and logarithmic functions. 12 weeks' credits.

MR. McDIARMID.

MUSIC

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, and may be eliminated by examination. 12 weeks' credit.

MRS. DAVIS AND MR. MAYBEE.

103. Voice Culture I. This course includes both concert and individual work. Correct breathing, proper placing of the voice, clarity of tone, articulation and enunciation will be treated specifically. Some songs will be taken up for interpretation. This course is open to all students. Laboratory credit, 3 or 6 weeks.

MR. MAYBEE AND MRS. DAVIS.

106. Teachers' Course in 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 a preparation for teaching this subject in the first eight grades. Observation is made in the training school. 12 weeks' credit.

MISS HOOTMAN.

105. Primary Songs and Games. This course is a suggestive one for teachers in the primary grades as well as for specializing students. The following phases will be developed: Rhythm—
feeling for and interpretation of different rhythms through
games, balls, percussion instruments, folk dances and rhythmic
steps. Songs—a sequence applicable to seasons and school festi­
vals and taken from the best composers of children’s songs will
be learned. The care of the child voice and the presentation of
these two phases to the child will also be taken up. Ability to
play the rhythmic studies and accompaniments is desirable and
is required from specializing students in the kindergarten and
music courses. Observation may be made in the training school.
6 weeks' credit.

MISS HOOTMAN.

HIGH SCHOOL MUSIC

109. Harmony and Ear-Training. This course is offered to
meet the demand of the work in ear-training, melody writing
and elementary harmony in the upper grammar grades and high
school. 

MR. HENDERSON.

119. Musical Appreciation and Biography. This course will
cover the lives and works of the great masters from Bach and
Handel down to the present time. Biographical note-book and
programs suitable for grades and high school will be worked
out. The victrola will be used in this course.

MRS. DAVIS AND MR. MAYBEE.

122. Chorus. In view of the increasing demand for high
school chorus concerts a cantata will be given suitable for the
average high school chorus. The chorus will meet for two re­
hearsals each week. A credit of three weeks will be given for
the work. This course is open to all students.

MR. HENDERSON AND MR. MAYBEE.

Orchestra. All who have instruments and wish to join the
Normal School Orchestra will find it both pleasant and profit­
able. 3 weeks' credit.

MR. MAYBEE.

PENMANSHIP

Classes in penmanship will be organized at the beginning of
the term to suit the needs of the students. There will be a num­
ber of sections, so that students will have an opportunity to elect
penmanship at different hours.

Technic and methods will be considered as well as practice in
penmanship. Penmanship is now required of all desiring a cer­
tificate. No credit. 

MR. GREENWALL.
PHYSICAL EDUCATION FOR WOMEN

102. Physical Education. This course presupposes Physical Training 101. It consists of Swedish and German gymnastics; advanced light apparatus work and folk dancing; games for outdoor and indoor use. 6 weeks' credit.

Combined with either tennis or swimming, 12 weeks' credit and equivalent to 102 of the regular school year.

MISS FROST.

104. Physical Education. This course presupposes Physical Education 101-2-3. It consists of more advanced work in all lines. Students are given opportunity to arrange lessons and conduct classes. 6 weeks' credit.

Combined with either tennis or swimming, 12 weeks' credit and equivalent to 104 of the regular school year.

MISS FROST.

Instruction in tennis will be given each morning at 7:15. Swimming classes on Mondays, Tuesdays and Wednesdays.

MISS GUIOT.

Note: A gymnasium suit is required for courses 102 and 104 (bloomers, midy blouse, and shoes).

PHYSICS

MR. FOX

Review Physics. A general review of elementary physics designed for those whose work in the high school has been weak in this subject; for those who have had limited opportunities in the way of laboratory work; for those who wish to review the subject preparatory to teaching it; and for those who are preparing to take an examination for second grade, first grade, or the state certificate. Credit may be earned in the rural and preparatory departments commensurate with the work done. Class meets from 7 to 9 daily.

MR. FOX.

Elementary Laboratory Work. This course may be elected to accompany Review Physics, or may be elected as an independent course by students who have had good class room instruction but have had little opportunity for individual laboratory work. Laboratory will be open from 1 to 4, and credit will be allowed according to work done.

MR. FOX.
104. **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.  
MR. FOX.

**Advanced Laboratory Work.** Open to students who have had courses 101, 102 and 103. Credit granted according to work accomplished. Advanced laboratory will be open from 1 to 4 daily.  
MR. FOX.

**Photography.** Students will have an excellent opportunity to advance themselves in the art of photography during the summer term. The Physics department possesses a fine new dark room which will be open to students from 1 to 4, three days in the week. The work will be informal, the student pursuing any phase of photography in which he may be interested. This work will be supervised by Mr. Fox.

## TEACHING

101. **Principles of Teaching.** (1) A study of the elementary school curriculum with consideration of the subject matter best suited to the interests and needs of each period of childhood. (2) The problem of motivation of school work. (3) A discussion of types of lessons and the making of lesson plans. (4) Systematic observation of different phases of grade work in the training school with reports and class discussion. 12 weeks' credit.  
MISS GOODRICH.

102. **County Training Class Problems.** Demonstration of rural school teaching will be observed in the Oakwood rural school. There will be observation in the training school, and the specific questions of the organization and teaching of County Normal Training Classes will be considered in round-table conferences.  
MISS ELLETT.

7. **Rural School Methods.** In this course special problems of method and subject matter for rural schools will be considered. Special emphasis will be given to construction and seat-work possible in rural schools. At least one-half hour daily of ob-
ervation in Training School and assigned observation in the Oakwood rural school are required. 6 weeks' credit.

MISS GOODRICH.

TRAINING SCHOOL

The first, second, third, fourth, sixth and seventh grades of the training school will be in session from 9 to 11 A.M. each day for five weeks of the summer term, to accommodate those who wish to observe teaching in the grades. The regular supervisors will have charge of this work with the co-operation of the special teachers in drawing, music, manual training, physical training, domestic art, and domestic science. The work will aim to present proper material for use in the various subjects of the curriculum, such as nature study, geography, reading and language, and the special branches, including handwork, as well as to show good methods of teaching.

It is hoped that large numbers of the students will avail themselves of the help thus afforded. Commissioners may arrange with the director for reports of attendance of their teachers. Observation will be required in connection with the courses in Principles of Teaching and Rural School Methods. In addition to the observation in the Training School, observation in the Rural Observation School will also be required. Each supervisor will reserve a definite period for conference and general discussion with the observers in the grade and it is expected that students observing for credit will attend at least one conference each week.

Students taking observation in any course for credit should fill out cards in the office of the Training School as soon as their regular enrollment is completed. These cards must be returned to Director of Training School before any credit can be given.

MISS TOWNSEND and SUPERVISORS.