1906

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Western State Normal School Bulletin

VOL. III Kalamazoo, Mich. NO. 2

Summer Term
June 25 to Aug. 3
1906

PUBLISHED QUARTERLY BY THE NORMAL SCHOOL
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Summer Term
OF THE
Western State Normal School
KALAMAZOO, MICHIGAN

Monday, June 25 to Friday, August 3
1906
Faculty—Summer Term.

D. B. WALDO, A. M.,
Principal.

JOHN T. McMANIS, Ph. D.,
Psychology and Education.

MARY LOWELL, A. M.,
English Language and Literature.

NELLIE M'CONNELL,
Assistant in English.

ERNEST BURNHAM, A. M.,
Director Rural School Department.

R. N. GOULD,
Instructor in History.

W. E. CONKLING,
Instructor in History and Civics.

THOMAS J. RILEY, Ph. D.,
Mathematics.
Instructor in Mathematics.

L. H. WOOD, A. M.,
Geography.

JANE ATWOOD,
Instructor in Geography.

EARL N. WORTH,
Instructor in Chemistry and Physics.

JOHN FOX,
Instructor in Physics.
SUMMER BULLETIN.

GEORGE S. WAITE,
   Director of Manual Training.

LOUISE KINGSBURY,
   Instructor in Domestic Science and Domestic Art.

ETHEL ROCKWELL,
   Director of Physical Training.

ELIZABETH T. ZIMMERMAN,
   Languages.

FLORENCE MARSH,
   Director of Music.

EMILIA M. GOLDSWORTHY,
   Director of Art.

NETTIE C. MANTHEI,
   Director of Kindergarten.

WILLIAM E. PRAEGER, M. S.,
   Instructor in Natural Science.
WESTERN STATE NORMAL SCHOOL.

TRAINING-SCHOOL

MARTHA A. SHERWOOD, DIRECTOR

AMELIA ANDERSON,
Second Grade.

EMILIE TOWNSEND,
Fourth Grade.

BESSION B. GOODRICH,
Sixth Grade.

NETTIE C. MANTHEI,
Kindergarten.

ETHEL ROCKWELL,
Physical Training.

FLORENCE MARSH,
Music.

EMILIA M. GOLDSWORTHY,
Drawing.

ESTHER BRALEY, A. B.,
Librarian.

KATHERINE NEWTON,
Secretary.
Summer Term of the Western State Normal School.

The third annual summer term of the Western State Normal School will open June 25 and continue six weeks, closing August 3. Students will be enrolled and classified on Monday, June 25, and classes in all departments will begin recitations on Tuesday, June 26. All of the regular instructors of the Normal School will remain in residence during the summer term, assisted by a number of extra teachers, selected for their efficiency in special lines of work.

LOCATION.

The Western State Normal School is located at 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 thirty-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 and Indiana, the Lake Shore and Michigan Southern and the Chicago, Kalamazoo and Saginaw railroads, all running north and south. It is the eastern terminus of the South Haven branch of the Michigan Central,
WESTERN STATE NORMAL SCHOOL.

which gives excellent connections with Chicago by boat. The electric lines of the Michigan Traction Company give trolley connection with the eastern part of the State via Battle Creek and Jackson. On the various steam railways more than fifty trains arrive and depart daily, giving excellent connections with 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 itself widely known for its diversified industries.

PURPOSE OF THE SCHOOL.

The fundamental purpose of the Normal is the training of students who expect to teach in our public school system, and the further training of those now teaching who desire better preparation for their professional duties. The course of study, the methods of teaching, and the spirit of the school are largely determined by this special purpose. As an important part of the equipment of grade teachers there is no substitute for the work accomplished in the better class of normal schools. At the Western Normal no reasonable effort will be spared to secure the best results in professional training. As far as practicable, the personal needs of each student will be taken into consideration. Character, scholarship, teaching efficiency and true professional spirit, are all emphasized. It is the firm purpose of the administration to maintain the strongest possible corps of teachers, as the example of efficient teaching is one of the best things that can be offered the student of a Normal.
SUMMER BULLETIN.

For 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.

The sessions of the school during the summer term will be held in the new Normal building, a splendid structure which has been built in accordance with modern ideas of school architecture. The building contains, in addition to the administrative offices, fourteen class rooms, an assembly room, and laboratory facilities for work in biological and physical sciences. The site occupied by the building is already well known for the panoramic view afforded of Kalamazoo City and the Kalamazoo River valley.

The sessions of the training school will be held in the new Vine Street building, which serves as the home of this department of the Normal. This building, which is near the Normal grounds, is 185 feet long, 96 feet wide, and contains twenty large-sized class rooms, besides four recitation rooms, and an auditorium having a seating capacity of eight hundred people. The latest and best ideas have prevailed in the heating, lighting and ventilating arrangements of the building, and the structure is regarded as a model of its kind. All work in the department of Manual Training, including Cooking and Sewing, will be conducted in the Manual Training building of the Kalamazoo School System.

EQUIPMENT.

The Normal School is provided with a good working equipment of scientific apparatus for the department of
A TYPICAL RESIDENCE STREET
WESTERN STATE NORMAL SCHOOL.

Geography. Excellent facilities for laboratory work in Physics, Chemistry, and Botany have been provided.

The library is growing rapidly, and particular care has been observed in the selection of books. The library will number over two thousand volumes at the opening of the summer term, and the Kalamazoo City Library, which is one of the best in the State, will be open to those enrolled at the Normal.

FEES AND LIVING EXPENSES.

No fee will be charged those students who are enrolled in the Rural School department.

Students and teachers in the Graded School Course, Life Certificate Course and in all Special Courses, will pay a fee of three dollars for the term. This fee admits to all classes.

No charge is made for the special lecture courses offered during the summer term.

Board in clubs costs from $2.15 to $2.30 per week, and rooms conveniently located and suitably furnished may be obtained at a cost ranging in price from 50 cents to $1.00 per week for each student. The total expense for the summer term should not exceed $25.00.

CREDIT.

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

The work offered in the summer term is as follows:
1. Regular Certificate Courses.
2. Review Courses.
3. Lectures.

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 Certificate and Graded Certificate group will meet twice daily, thus enabling a student to cover the work of two twelve-week studies during the summer term. Classes will be formed in seventy-five subjects in the departments of Psychology and Education, English Language and Literature, Geography, Science, Mathematics, History and Civics, German and Latin, Drawing, Music, Manual Training, Physical Training and Oral Expression.

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. There will be no summer schools or institutes this year in the counties adjacent to Kalamazoo, and all teachers are urged to take advantage of the unusual privileges offered at the Western Normal. Credits earned during the six weeks' term are recorded, and in several 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. For example, a rural school teacher may study Geography through three summer terms, the work constituting a continuous course.

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

**FREE LECTURE COURSES.**

Following the plan of the two preceding years of summer school, special attention has been given to the selection of lecturers for this summer. Educators of importance in their respective fields of work, have been engaged with the idea of giving diversity of privilege to the students of the Normal. Dates have been carefully arranged for this course so as not to conflict with other features of the summer school.

*Wednesday, Thursday and Friday, June 27-29*  
O. J. Kern, of Rockford, Ill., Superintendent of Schools in Winnebago County, will give three lectures, all touching upon the work which has made him the most conspicuous county superintendent of schools in the United States. Mr. Kern has probably done more than any one man toward advancing the interests of school children of rural communities. Some of the points he has emphasized and accomplished are: Better buildings, better equipment, apparatus for use in geography, elementary science and manual training; good pictures, improved grounds, school gardens and the organization of boys’ clubs and girls’ clubs.
People of rural districts will be especially interested in Mr. Kern’s lectures which will include the following topics:

1. The District School as a Spiritualizing Force in Country Life.
2. The New Agriculture and the Country School.

Monday and Tuesday, July 2-3 Prof. Delos Fall, who was for four years Superintendent of Public Instruction, and who is now at the head of the Department of Chemistry of Albion College, will address the students on these days. Prof. Fall, by reason of his wide experience and observation of work in the common schools, coupled with his special training in physical science, is finely equipped to present the topics below:

1. The Boy and His Environment.
2. The Air We Breathe.
3. The Sky by Day and by Night.
5. The Limestone Story.

Tuesday and Wednesday, July 10-11 Prof. J. Paul Goode, Assistant Professor of Geography in the University of Chicago, and one of the leading extension lecturers of the university, will speak on subjects of interest to the general public, as well as of interest and value to students. Prof. Goode, as one of the editors of the Journal of Geography, has collected and compiled valuable material, and, in addition, has gathered together some of the best lantern slides referring to his line of work, in existence. His topics will be as follows:
1. The Reclamation of Arid Lands.
2. Cotton as a Social Factor.

Monday, Wednesday and Friday, July 16-18-20

Mrs. Howard Murray Jones, well known and recognized throughout the country as an authority in Domestic Science, which she has established in prominent educational institutions, has been engaged for three lectures as follows:

1. Food for Daily Strength.
2. The Care of the Temple.
3. Domestic Economy in Rural Schools.

Mrs. Jones had charge of the Domestic Science work in the Kansas Agricultural College at Manhattan, and was similarly employed in the Bradley Institute of Peoria, Ill. She has gained a national reputation as a public speaker, having last year traveled from Maine to Nebraska to fill engagements of this character. For many years she has been active in State and National federations of women's clubs, toward which much of her energy and talent are directed.

Monday, Tuesday and Wednesday, July 23-25

Dr. A. E. Winship, Editor of the Journal of Education, and the most traveled educational lecturer in the United States, will give a series of lectures on these days. His subjects will be as follows:

1. Boys as a Liability.
2. The Public School as an Investment.
3. Authors I Have Known.

Dr. Winship was keenly enjoyed in a similar capacity last summer, and his return will be looked forward to with pleasure.
Thursday and Friday, July 26-27

Richard T. Wyche, who has achieved fame throughout the country in the unique art of story-telling, will present phases of his unusual gift in two addresses before the students. Mr. Wyche will lecture on the art of telling stories to children, and will use ample illustrations by way of emphasizing his methods.

In addition to these lectures a special effort has been made to arrange a particularly strong series of chapel talks by members of the faculty and outside public workers. A group of talks intended primarily for teachers in the rural schools includes the following subjects:

1. The Psychology of Rural Environment.
   Dr. McManis, Thursday, July 5.
2. The Sociology of Rural Communities.
   Dr. Riley, Friday, July 6.
3. Geography in Rural Schools.
   Mr. Wood, Tuesday, July 10.
4. Drawing in Rural Schools.
   Miss Goldsworthy, Friday, July 13.
5. Music in Rural Schools.
   Miss Marsh, Tuesday, July 17.
6. Good Reading for Rural Schools.
   Miss Lowell, Thursday, July 19.
7. The Campaign for Rural Progress.
   Mr. Burnham, Tuesday, July 31.

TRAINING SCHOOL

Work in primary, intermediate and grammar grades will be arranged for observation during the summer term. The second, fourth and sixth grades will be in session
from 9 to 11 a. m., for four weeks, and teaching in nature study, geography, reading and language will be in charge of the regular teachers of the training school. The work will aim to present proper material for use in these subjects in the various grades as well as to show good methods of teaching.

Classes in music, drawing and physical culture will be conducted by the heads of departments in these branches. The work in drawing will aim especially to show correlation between this subject and other lines of work. At least one special day program will be given.

KINDERGARTEN.

The Kindergarten will be in session from 9 to 11 each morning for four weeks and an opportunity will thus be afforded for observation of daily kindergarten training in addition to the work of the grades as specified above. During the summer term special courses in kindergarten work will be offered by the director of this department, of which announcement is made under details of courses.

NORMAL EXTENSION COURSE.

The Western Normal offers an Extension Course for experienced teachers who are unable to attend the institution during the regular school year. This course has been put in operation during the past year, and is open to selected teachers who have taught successfully and who have previously graduated from approved twelve-grade schools. For teachers planning to secure the Life Certificate, residence will be required at the Normal during three summer terms. The course also includes work to be carried in absentia under
direction of members of the Normal School faculty, during a minimum period of two years. The Extension Course is open to a limited number of mature persons, and will, it is confidently believed, prove of great service in promoting the growth of the teachers for whom it is intended.

EXCURSIONS

Three excursions to near-by points are planned for the summer term. Especially low rates will be provided, thus enabling a large body of students to participate. While the excursions are planned primarily for classes in Geography and Nature Work, it is believed that they will prove attractive to a large majority of students outside of these classes. Among the places which may be visited are Gull Lake, South Haven, Three Rivers and the lake region of Barry county.

During the summer term a social committee, headed by Miss Marsh, will provide special features of entertainment with a view to securing a variety of interests and affording opportunities for extending acquaintanceship among the students.

DETAILS OF COURSES.

English.

1. Preparatory Grammar. This course is intended as a review for those who are preparing to take county examinations, and is not accepted as credit for the course in Grammar offered during the regular year. 6 weeks.

Miss M'Connell.
KALAMAZOO—THE HOME OF CELERY
2. **Reading and Orthography.** This course will include the critical reading of the following classics, which will form the basis for the county teachers' examinations in August and October of this year: "Intimations of Immortality," by Wordsworth, and "The Gray Champion," by Hawthorne. In the practice reading, the fundamentals, time, pitch, force, and quality will be illustrated and explained. A thorough study of elementary sounds and diacritical marking will also be made. 6 weeks.  

*Mr. Burnham.*

3. **Composition.** The aim of this course is facility and correctness in written expression, and to that end the work will consist of daily papers, discussion and personal interviews. This course is designed for those who are teaching composition, and will be credited toward the prescribed course in composition. 6 weeks.  

*Miss Lowell.*

4. **American Literature.** A study of representative American writers of the different periods, with a view to ascertaining the development of ideas in American literature, and the relation of these to American and English history. A course in American history is required as preliminary. 6 weeks.  

*Miss Lowell.*

5. **Story Telling for Primary Grades.** (1) Discussion of the basis for selection of material. (2) Study of the special value and place of Fairy Tales, Fables, Myths, Bible Stories, Historical Stories and Stories of Primitive Man. (3) Study of particular stories of each class and methods of handling. (4) Relation of story work to the language group of studies. 6 weeks.  

*Miss Sherwood.*

6. **Literary Material for the Grades.** This course will consist of discussion with reference to the objective
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points in literature teaching and the preparation of the teacher, and will offer suggestions as to the literature adapted for grade use, together with books for collateral reading and reference. It is designed for grade teachers, principals and those who have the making of grade curriculums. 6 weeks.

Miss Lowell.

Geography

1. PHYSIOGRAPHY A. (1) Mathematical Geography and Meteorology. (2) Land Forms and Oceanography. Laboratory work one-half hour a day. This course provides review and advanced work for students who have had either a half or whole year's work in the high school. It is the regular advanced course required of all students working on the Life Certificate Course. Students will use such text books as they may possess. 6 weeks.

2. PHYSIOGRAPHY B. (1) Mathematical Geography and Meteorology. 6 weeks. (2) Land Forms and Oceanography. 6 weeks. Laboratory, one hour a day. Two summer terms will be required to complete this course, which is adapted to those who have had no physical geography in the high school.

3. GEOGRAPHY—GENERAL PRINCIPLES. Prerequisite Courses 1 or 2 in Physiography, or the regular high school course in physical geography. 12 weeks. Mr. Wood.

4. REVIEW COURSE. Geography of the Western Hemisphere. North and South America. From these continents typical regions will be selected to illustrate the principles of geography. Mr. Wood and Assistant.
4b. **A Review Course.** The geography of Europe and the Old World will be given in the summer term of 1907.

5. **MINERALS AND ROCKS.** This course is intended in connection with Course 6, to give the student a foundation for work in Economic Geography. In addition to learning the common rocks and minerals, a study of soils and materials of value in the arts and industries, will be made. Much work will be done in the field. 6 weeks.

   *Mr. Wood.*

6. **PLANT AND ANIMAL GEOGRAPHY.** In this course, as in No. 5, the work is intended to give students a foundation for the study of Economic and Industrial Geography, so far as they depend upon the distribution of these organisms, or the products of value derived from them. 6 weeks.

   *Mr. Wood.*

For Courses 4 and 4b, students may use any of the geographies now adopted by their respective schools.

For Course 2 (beginning physiography), a text book will be prescribed.

Students who plan to do field work in physiography should come provided with carrying bags, hammers, lunch baskets, and clothing adapted to wear and tear.

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**German.**

1. **Elementary Course. Twice Daily.** The aim of this course is to give the student a thorough knowledge of the rudiments of German Grammar, which will enable him to read easy German texts, a number of which will be read
and discussed in German, thus giving practice in speaking the language. 12 weeks.  

Miss Zimmerman.

2. Advanced Course. The study of some modern drama or prose narrative, to be selected to meet the needs of the class. A review of German Grammar and practice in speaking and writing the language. This course is designed primarily for those who teach German in high schools. 6 weeks.  

Miss Zimmerman.

Latin.

1. Elementary Course. The work done in this course will be equivalent to that of the first half of the regular course. Teachers who wish to begin the study of Latin will receive careful instruction in the hope that they may be able to pursue the study of first year Latin while teaching. 12-18 weeks.  

Miss Zimmerman.

2. Classes will be formed for those desiring work in Caesar, Cicero and Virgil. 12 weeks.

3. Course for high school teachers. Designed to afford better equipment for those who are teaching Caesar, Cicero and Virgil.  

Miss Zimmerman.

History.

1. United States History. An elementary course for students who need preparation for the August examination. Two sections will be formed and a credit of twelve weeks in the Rural School Course may be earned.  

Mr. Burnham.

2. Civil Government. This course will be planned primarily for students who wish to prepare for the August
examination. 6 weeks’ credit in Rural School Course.

Mr. Conkling.

3. **General History.** A review course for students who plan to take the examination for second grade certificate. The class will meet twice daily. 12 weeks’ credit in preparatory course.  

Mr. Conkling.

4. **The Nineteenth Century.** A study of important historical developments in Europe. 12 weeks’ credit in Life Certificate Course.

Mr. Conkling.

5. **Advanced United States History.** For mature students. An intensive study of a brief period involving much collateral reading. Two topical reports required from each student. Discussion. 12 weeks’ credit in Life Certificate Course.

6. **School Law.** This subject will be included in a special course conducted by Mr. Burnham.

**Kindergarten.**

1. (a) Brief review of the aim and purpose of the Mother Plays of Froebel. Lectures on twelve Mother Plays. Discussion.

(b) Review of the general principles of program making; the aim and purpose of prescribed programs in Kindergarten.  

Miss Manthei.

2. (a) Study of the Fifth, Sixth and Curvilineal Gifts and Gifts of Abstract Magnitude. The use of these gifts in Kindergarten and primary grades.

(b) Games and stories adapted to Kindergarten and primary work.  

Miss Manthei.
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3. KINDERGARTEN Music. This is course 2 in music. Miss Marsh.

The Kindergarten will be in session from 9 to 11 each morning for four weeks of the summer term.

Manual Training and Domestic Economy.

1. GENERAL COURSE FOR SUPERINTENDENTS AND TEACHERS OF MANUAL TRAINING IN THE GRADES.

Organization of courses of study; planning of rooms and buildings; selection and purchase of tools and materials; supervision of Manual Training work. 4 times weekly. Mr. Waite.

2. CARPENTRY WORK AND JOINERY. Instruction and use in care of woodworking tools; finishing and polishing articles in wood. Mr. Waite.

3. WOOD-TURNING AND PATTERN MAKING. Mr. Waite.

4. WOOD CARVING. This course will be offered if there is sufficient demand for the work.

5. MECHANICAL DRAWING. Instruction in geometrical, architectural and machine drawing. Mr. Waite.

6. CONSTRUCTION WORK FOR GRADES. Paper folding, cardboard construction, weaving basketry, knife-work, bent iron work, clay modeling.

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   Miss Kingsbury.

9. SEWING. Elementary course for teachers in the grades. Work used in Ward Schools. Practical work in basting, hemming, running, darning, etc.

10. ADVANCED SEWING. Machine work; making underwear; drafting, cutting, and fitting; shirt waists and dresses. Theory and practise of domestic art.

   MILLINERY. Facing, wiring, and binding hats; fold and bow making.

Mathematics.

1. ARITHMETIC. A review for those desiring to prepare for teachers' examination. Three or more sections will be formed.

2. ARITHMETIC. A teachers' course. The work presupposes a knowledge of the subject-matter of Arithmetic, of Algebra, of Geometry and an introductory course in Psychology. The course will consist of reviews, lectures, discussion, observation, library work and papers. Beman and Smith's Higher Arithmetic will be used as a basis for review. 12 weeks' credit. 

   Dr. Riley.


   Dr. Riley.

4. GEOMETRY. A review for those desiring to prepare

Dr. Riley.

5. TRIGONOMETRY. A course in plane Trigonometry. 
Lyman and Goddard's Plane Trigonometry. Twice daily. 
12 weeks' credit. 

Dr. Riley.

Other courses may be arranged for on consultation with 
Dr. Riley.

Music.

1. TEACHER'S MUSIC. This course will include sight-
reading, the care and preservation of the child voice; the 
treatment of monotone voices; the development of the music 
germ in the child, and the presentation of musical material 
in the different grades. 12 weeks. Miss Marsh.

2. KINDERGARTEN MUSIC. This course is especially de-
sirable for teachers in the primary grades. It will include 
a repertoire of rote songs adapted to the sequence of the 
seasons and festivals, as well as to ring and sense games; 
exercises for developing the sense of rhythm, also work 
with the balls and toy musical instruments. There is a 
growing demand for work of this character for children. 
Observation may be had in the Training School illustrating 
the work of classes 1 and 2. 6 weeks. Miss Marsh.

3. VOICE CULTURE. This will consist of a course not 
only adapted for the improvement of the singing but of the 
speaking voice. Enunciation, articulation, phrasing and 
stage deportment will be features of this class. Especial care 
will be given to students where faulty habits of speaking 
and singing have induced throat trouble. 6 weeks. 

Miss Marsh.
FALLS AT COMSTOCK
4. **Elementary Harmony.** A class in this course including a thorough grounding in the key and tone relations, chord, color, etc., or one in Harmony will be formed as occasion demands. **12 weeks.** Miss Marsh.

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**Natural Science.**

**William E. Praeger, M. S., Kalamazoo College.**

1. **Nature Study.** This course is based on outdoor work, and students must be prepared to spend considerable time in the field. Special attention will be given to the flowers, trees, birds and insects; their habits, life relations and economic importance. Methods of collecting and preserving, and the adaptation of material to certain grades of work will be discussed. Special trips will be taken to the many localities near Kalamazoo of interest to the naturalist. Students are advised to bring clothing suitable for outdoor summer work, and such equipment for observing and collecting as may suggest itself. **6 weeks.** Mr. Praeger.

May be combined with one of the Botany Courses for 12 weeks’ credit.

2. **Botany—Plant Ecology.** A study of plants in relation to their environment, based on field work and accompanied by lectures on the distribution of plants and the factors that control it. Most of the typical plant societies of Southern Michigan occur in the vicinity of Kalamazoo, and will be studied in the field. Two or more field trips a week will be made, usually to near-by localities, but occasionally to more distant points. **6 weeks.** Mr. Praeger.

3. **Botany—Plant Structures.** A course in the morphology of plants, with special reference to work that
may be done without the aid of a compound microscope. The life history is worked out by following the plant through the cycle of seed, seedling, foliage, flower and fruit. Mainly a laboratory course, with some field exercises and some practice in classification. 6 weeks.  

Mr. Praeger.

The two courses in Botany may be combined for 12 weeks' credit.

4. PHYSIOLOGY. The object of this course is to give a general knowledge of the structure and functions of the human body, with a view to a better understanding of those processes that are constantly going on within ourselves, and thereby affecting our daily life. Enough anatomy will be presented to make the physiology intelligible, and enough hygiene to help in an intelligent care of the body.

Recommended as a review course for teachers preparing for the August examinations.  

Mr. Praeger.

PHYSICAL EDUCATION.

1. PHYSIOLOGY. Review course for teachers preparing for county examination. 6 weeks.

2. PUBLIC SCHOOL GYMNASIUMS. A course consisting of school room exercises, school games (indoor and outdoor), marches and steps suitable for children in the grades. Much of the work will be out of doors. Miss Rockwell.

3. RURAL SCHOOL GYMNASIUMS. A course especially adapted to teachers in the rural schools. Miss Rockwell.

4. A base ball team will be organized at the opening of the term. Opportunity will be offered for tennis and basketball playing, and it is hoped a large number of the students will engage in these sports for daily exercise.
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1. **Elementary Physics.** A course in elementary mechanics, with accompanying laboratory practice for beginners. Students electing this course must have completed preparatory Algebra and Plane Geometry. 12 weeks’ credit in Preparatory Department.  

   *Mr. Worth and Assistant.*

**PHYSICAL SCIENCE.**

2. **Elementary Physics.** An elementary course in sound and light. This course is intended for those who completed Course 1 last summer. 12 weeks’ credit. 

   *Mr. Worth and Assistant.*

3. **General Physics.** A review covering the entire subject of Physics. This course is designed for those who have studied the subject in high school, and desire a thorough review in preparation for county examination and more efficient teaching of the subject. Much attention will be given to the solution of problems. Among the practical features of this course will be the inspection of some of the large manufacturing institutions of Kalamazoo, where excellent opportunity is afforded for observation of application of the principles of the science. There will be an excursion to one of the large power plants of the Kalamazoo Valley Electric Company, on the Kalamazoo River. Students may elect special laboratory work to accompany this course. Two hours daily. 12 weeks’ credit.  

   *Mr. Worth.*

4. **Elementary Chemistry.** A beginners’ course in elementary inorganic chemistry of the non-metals, with accompanying laboratory practice. This course is offered as preparation for the course in household chemistry, required in the Department of Domestic Science. Two hours daily. 12 weeks’ credit.  

   *Mr. Worth and Assistant.*
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5. LABORATORY COURSE IN QUALITATIVE ANALYSIS, WITH SPECIAL PROBLEMS IN INORGANIC CHEMISTRY. This course is designed for those who have completed Course 4, and for others who have had insufficient training in laboratory practice. Opportunity will be provided for special work for those who are to teach the subject in the high school. 12 weeks.  

Mr. Worth.

PUBLIC SCHOOL ART.

Course I.


b. Object drawing, including study of cylindrical perspective as found in familiar objects.

c. Design, including problems in line, dark and light, and color.

d. Black-board sketching, showing practical application of drawing to other school studies. 6 weeks. 

Miss Goldsworthy and Assistant.

Course II.

a. Pictorial composition from nature study, in dark and light, and color.

b. Object drawing, including study of rectangular perspective, as found in familiar objects.

c. Design, including constructive and decorative design, showing application of design to objects constructed. This will lead directly into the arts and crafts work.
ONE OF KALAMAZOO’S CHURCHES
d. Clay modeling will include work in simple pottery forms and nature forms, as adapted to work in all grades. 6-12 weeks.  
Miss Goldsworthy and Assistant.

Course III.

This course will be planned to meet the needs of special teachers in Public School Art, and will embrace "Course of Study;" and practical problems worked out, including observation work in the Training School. 12 weeks.  
Miss Goldsworthy

Psychology and Education.

1. Psychology I. This forms an introductory study of the general problems of psychology. Emphasis will be placed upon the genetic aspect of consciousness and its function as an agency of control, thus laying a basis for educational applications. The work will be based on James' Psychology as a text, supplemented by lectures, experiments and assigned reading. Two hours daily. 12 weeks' credit.

2. Psychology II. This course will be a continuation of the study of fundamental psychological problems, but with additional concrete applications to education. The observation and study of children will form a part of the work of the course. Angell's Psychology will be used to supplement that of James. 2 hours daily. 12 weeks' credit.  
Dr. Mc Manis.

3. General Method. The teaching process will form the material of this course. Questions of class organization, most efficient modes of dealing with subject-matter, relative values, the economy of the child's interest, and energy, and
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educational aims constitute some of the topics to be considered. The course is open to all students of the summer school having had some preliminary study of psychology or experience in teaching. Two hours daily. 12 weeks' credit.  Dr. Mc Manis.

4. PRIMARY METHODS. (1) Study of interests and activities of childhood. (2) Consideration of material of different subjects best adapted for development or inhibition of these activities. (3) Discussion of methods of handling material. 6 weeks.  Miss Sherwood.

5. THE PSYCHOLOGY OF MANUAL TRAINING. A study of growth in motor control. Discussion of characteristics of child activity at different stages in development, and work best adapted to further this activity. Emphasis placed on educational value of manual work, and its organization in grades. 12 weeks.  Dr. Mc Manis.

6. CHILD STUDY. Emphasis placed on physical and mental characteristics of childhood. Study by observation, and laboratory practice of problems connected with children. 12 weeks.  Dr. Mc Manis.

RURAL SCHOOL DEPARTMENT.

Special Courses

In addition to the academic review and methods courses offered in the several departments, the summer term work of all teachers, who are to have charge of rural schools the coming year, will be carefully supervised by the Director of the Rural School Department, who will always, outside of
his own class hours, be ready for personal conferences and individual aid to all who are enrolled in this department.

Two courses will be offered in the Rural School Department which will be planned for the specific purpose of putting the teachers of rural schools on terms of close familiarity with the applied problems of organization, classification and management of these schools; and the course of study, school law, and community and industrial conditions by which their work is governed.

1. School Management and Law. It will be the aim of the course in School Management and Law to make as thorough a study as time will permit, of the State Manual and Course of Study, the General School Laws and Dutton's School Management. The management text book will be supplemented by library references and the course will be presented with incidental illustration from the daily work of rural schools. This course will directly aid all who are preparing for the August county teachers' examination, in three regular examination topics: Theory and Art, the Course of Study and School Law. All who complete this course will be given 6 weeks' credit in the regular Rural School Course.

2. Elementary Agriculture and Social Service. The special course in Elementary Agriculture and Rural Social Service will include a careful review of a large collection of books, pamphlets, bulletins and leaflets on the teaching of Elementary Agriculture, with a view to selecting a limited amount of such material as seems to be best adapted for successful use in rural schools. A directed course in reading in Rural Social Service will be amplified by discussion for the purpose of calling the attention of
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LECTURE COURSE

teachers to the great possibilities in rural social life and inspiring them to take part intelligently in local activities, which make for rural progress. All who complete this work will be given 6 weeks’ credit in the regular course.

Mr. Burnham.