Western Normal School Bulletin v6 n2: Summer Term 1910

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Western Normal School Bulletin
KALAMAZOO, MICH.

SUMMER TERM
June 27th to August 5th
1910

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THE NORMAL SCHOOL

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SUMMER TERM

OF THE

Western State Normal School

KALAMAZOO, MICH.

Monday, June 27th to Friday, August 5th 1910
Faculty of the Summer Term

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First Grade Training School.

ESTHER BRALEY, A. B.,
Librarian.

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

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Mathematics.

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Expression.

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Chemistry and Physics.

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First and Second Grade, Training School.

KATHERINE MULRY,
Sixth Grade, Training School.

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Secretary.

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Latin.

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Domestic Science.

MARIE SAYLES,  
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Assistant in Methods.

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Assistant in Physics.

JAMES SWAIN, Commissioner of Schools, Branch County.  
Rural School Management.

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Assistant in Education.

*GEORGE S. WAITE,  
Manual Training.

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

E. N. WORTH, A. B., Instructor in Kalamazoo High School,  
Assistant in Physics and Chemistry.

ANNE WRIGHT,  
Domestic Art.

ELISABETH ZIMMERMANN, A. B.,  
German.

*On leave of absence for summer term.
Summer Term of the Western State Normal School

The sixth annual summer term of the Western State Normal School will open June 27 and continue six weeks, closing August 5. Students will be enrolled and classified on Monday, June 27, and classes in all departments will begin recitations on Tuesday, June 28. 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 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 forty 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 which gives excellent connections with Chicago by boat. It is also the eastern terminus of the Kalamazoo, Lake Shore and Chicago Railroad. The electric lines of the Michigan United Railways Company give trolley connections 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 object of the school as constituted by law is to prepare teachers for public school service. The work of the school is organized and conducted essentially to this end. It is recognized that scholarship, knowledge of child nature, and a proper attitude toward the work of teaching are the three essential factors in all professional preparation for teachers. The 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 aim of education is character. 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 cooperation between faculty and students in enterprises and interests of the school will be fostered at all times.

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

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

The classes of the regular certificate courses will meet as heretofore in the Normal building. This structure contains, in addition to the administration 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.

In addition to the buildings used in the summer session of 1909, the new training school building which has been completed will be occupied by review classes. The training building is a splendid structure with two stories and a basement, 118 feet long and 100 feet wide. This structure is regarded as one of the best planned of its kind in the entire country. In completeness and convenience the building is a model.

All shop work in the department of Manual Training will be conducted as heretofore in the Manual Training Building of the Kalamazoo public schools.

The gymnasium is the largest of its kind to be found among the normal schools and colleges of the Northwest Territory. 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, 12 feet above the main floor, is suspended from the structural steel supporting the roof. The track is 9½ feet in width, and has sloping sides and ends as well as raised corners. In the basement are shower baths for both men and women, and a swimming pool 52 feet long. All classes in public school gymnastics will meet in the gymnasium.

**EQUIPMENT**

The Library has developed rapidly during the past year, and by the opening of the summer term will number about 7,500 volumes; as the Library has been built up from the beginning in the last five years, it has been possible to make a good working selection from the latest as well as the standard authorities in the various subjects. Books are constantly being purchased, and all students of the Normal School are permitted to use the Kalamazoo City Library, which numbers 40,000 volumes.

In the department of physics and chemistry additions of apparatus have been made during the year and the facilities for effective work in biology have been largely increased. The working equipment in the department of geography has also been greatly enlarged.

Extensive additions of stereopticon slides have been made for the departments of biology and geography. New machinery has been added to the manual training equipment, and the departments
of domestic art and domestic science have been materially strengthened.

THE RAILROAD

Students having recitations at the Normal building will be afforded free transportation on the two track railway belonging to the Normal School. Two cars will be in operation daily during the entire summer, thus removing all objections on the part of those who find hill climbing irksome.

FEES AND LIVING EXPENSES

No tuition fee will be collected from 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. A fee of fifty cents is collected for the support of outdoor athletics.

Board in clubs costs about $2.50 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 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 can 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.

DEMAND FOR TEACHERS

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

ATHLETICS AND SOCIAL FEATURES

Due attention will be given to various forms of athletics during the summer term. Baseball will be under the direction of the regular athletic director of the school, and games will be scheduled with teams in the city league during the summer term. Tennis will be a prominent feature of athletics for men and women during the summer. 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.

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.

COURSES OFFERED

The work offered in the summer term is as follows:
1. Regular Certificate Courses.
2. Review Courses.
4. 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 groups will meet twice daily, thus enabling a student to cover the work of two twelve-weeks studies during the summer term. Classes will be formed in a wide variety of subjects in the departments of Psychology and Education, English Language and Literature, Expression, Geography, Science, Mathematics, History and Civics, German and Latin, Drawing, Music, Manual Training, Domestic Economy, Kindergarten Theory, Library Methods, and Physical Training.
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 near Kalamazoo, and 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 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.

LIFE CERTIFICATE AND 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 so that 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 three years, thirty-six students have completed this course.

The object of this arrangement has been to meet the needs of those who are otherwise deprived of opportunities for growth and advancement. The danger that in some cases has been anticipated 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 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 the requirements than the average of class residence accomplishment. 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 has been printed, which will be furnished on application to the Secretary.

**LECTURES**

As heretofore, the Normal will offer unusual privileges this summer in the way of lecture courses by distinguished educators. One prominent lecturer will be at the school during each week of the term, and the discussion will be along the lines that are of interest to progressive teachers.

It has been decided to limit the number of lecture days each week, thereby leaving three or four afternoons open to field work and recreation including tennis and baseball. Hours have been carefully arranged for the lecture courses so as to avoid conflict with classes and other important features of the summer school. The educators named below have already been engaged for the summer term:

**Friday**

Dr. Frank M. McMurry, Professor of Theory and Practice in Teaching in Teachers' College, Columbia University, will deliver a lecture on an educational topic. Mr. McMurry is a recognized authority on elementary schools, and his recent book on "How to Study" represents the latest and best contribution that has been made to this particular field. Dr. McMurry is a clear-cut, forceful, and inspiring speaker.

**Wednesday**

Mrs. Gudrun Thorne-Thompsen, of the School of Education of the University of Chicago, will give two lectures. The first, "A Story Hour," will be devoted to telling and discussing typical children's stories. The second lecture will be on "The Educational Value of Children's Literature in the School Curriculum."
Monday July 25

Miss Mabel Carney, who was this year pursuing advanced studies in Columbia University, will deliver two lectures on "Country Teachers' Problem and Its Attack" and "Country Life and the Country School." Miss Carney is one of the most enthusiastic of all students of the general problem of rural progress. She believes thoroughly in the country and in the future of the rural school.

Dr. Charles H. Judd, who was last year placed in charge of the College of Education at the University of Chicago, will lecture on an educational topic. Dr. Judd is most favorably remembered by all who heard him last summer. The date of his lecture has not been fixed, but will be announced at the opening of the term.

Details of Departments

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

GRADED AND LIFE CERTIFICATE COURSES

101. Nature Study and Expression. This course aims to enlarge the appreciation and knowledge of the world of nature by expressing various phases of the landscape, also the study and expression of flowers, grasses, fruits, and other nature subjects, and of various mediums, including 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 GOLDSWORTHY.

102. Perspective. It is desirable that Art 101 should precede Art 102. This course aims to enlarge the appreciation and understanding of the common forms around us, and to develop a knowledge and skill in rendering the appearance of forms included under the study of cylindrical and rectangular perspective. 12 weeks credit. MISS GOLDSWORTHY.
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 bookbinding. This course may be taken without previous courses in Art. 6 weeks credit.

Students who desire advanced work in applied design in metal and leather work may take private lessons with a special teacher.

In planning a course in art, it is well to have Art 101 precede Art 102. Art 103 (Construction work) may be taken without previous art training.

BIOLOGY

REVIEW, RURAL AND HIGH SCHOOL COURSES

7. 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. Bring all available texts, lectures, and reference works.

DR. HARVEY.

8. Botany. A review course designed to prepare teachers for the fall examinations. Bergen's Elements of Botany will form the basis of this course. Bring all texts available. Four periods a week.

DR. HARVEY.

GRADED SCHOOL AND LIFE CERTIFICATE COURSES

111. 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. It is the pronounced object of the course to bring the student into touch with a large number of plant and animal forms, to consider methods of presentation, and to gain acquaintance with the literature. The course consists of field excursions, library work, and occasional laboratory exercises and conferences. 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. Two afternoons of each week will be devoted to the work. Substitutes Physics 102 in meeting requirements. 6 weeks credit.

DR. HARVEY.

M. S. KOCH.
112. **Plant Ecology.** A course devoted to the consideration of the various plant organs, their functions and relations to their environment. A special study is made of the various plant societies of Kalamazoo and vicinity. Some work is given in classification. Laboratory eight hours, one field trip and four lectures a week. Hours to be arranged with instructor. 12 weeks credit. DR. HARVEY.

**CHEMISTRY AND PHYSICS**

**CHEMISTRY**

**REVIEW, RURAL AND HIGH SCHOOL COURSES**

1, 2, 3. **General Inorganic Chemistry.** This course will be devoted to a study of the metals or non-metals, according to the needs of those taking the course. Laboratory work is required. 12 weeks credit. DR. McCracken.

4. **Review Chemistry.** This course is intended for those desiring a review of the subject. Especial attention will be devoted to the modern developments of the science and to its commercial application. Once daily. No credit. DR. McCracken.

**GRADED SCHOOL AND LIFE CERTIFICATE COURSES**

101. See course 1 above.

104. **Qualitative Analysis.** A course will be arranged to meet the needs of those who desire work of this kind. 6 to 12 weeks credit according to the amount of time spent in the laboratory. DR. McCracken.

**PHYSICS**

**REVIEW, RURAL AND HIGH SCHOOL COURSES**

1, 2, 3. **Elementary Physics.** Mechanics of solids and liquids. This is a beginners' course, and is intended for those who have never had the subject. Laboratory work will be required. 12 weeks credit in Preparatory Department. MR. WORTH.

4. **Review Physics.** Class meets twice daily. Review of entire subject of elementary physics. Especial attention given to methods of presentation of the subject, class room demonstrations and the application of the principles of algebra to the solution of problems. This course is especially designed for those wishing to teach the subject in the high school. No credit. MR. WORTH.
DOMESTIC ART

101-2-3. **Elementary Course.** Handwork. Learning and application of rudimentary stitches, darning, patching, crocheting and knitting. Learning and application of ornamental stitches. 12 weeks credit. MISS WRIGHT.

104-5-6. **Advanced Course.** Machine and Handwork. Pattern drafting, designing and making of undergarments and shirtwaist suits. Millinery. 6 to 12 weeks. MISS WRIGHT.

107. Designing, planning hats, making buckram wire frames, covering and trimming. 6 to 12 weeks credit. MISS WRIGHT.

DOMESTIC SCIENCE

101-2-3. **Cooking.** Elementary Course. Study of combustion of fuels; production, manufacture, and composition of materials used for food. Classification and study of food principles and effect of heat on each. Preparation of cereals, vegetables, meats, soups, bread, and other plain cooking. One two-hour period given to food study and three to laboratory work each week. 6 weeks credit. MISS PRAY.

104-5-6. **Cooking.** Advanced Course. Fancy cooking, including pastries, desserts, etc. Serving and preparing breakfasts, luncheons, and dinners. Demonstrations given by students. Dietetic value of foods. Dietaries. Four two-hour periods each week. 6 weeks credit. MISS PRAY.

EDUCATION

**GRADED SCHOOL AND LIFE CERTIFICATE COURSES**

101. **Introduction to the Study of Education.** While 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 serve 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. MR. MANNY. MISS TOWNSEND.

102. **The Study of Children.** 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 and by acquaintance with the more important conclusions and problems that have been formulated. Required in Graded School and General Life Certificate Courses. Prerequisite, Course 101. 6 weeks credit.

MISS TOWNSEND.

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.

MR. MANNY.

107. Psychology. It is intended that students shall have an opportunity in this course to restate the material gained elsewhere and with the aid of Angell and other texts and by means of careful experimentation to formulate the subject sufficiently that it may be serviceable in their teaching and constitute a basis for independent study. Required in all Life Certificate Courses. Prerequisite, 106. 12 weeks credit.

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 themselves in school supervision, curricula, organizations, etc. Elective. 6 weeks credit.

MR. MANNY.

109. School Hygiene. An introduction to material that has been produced in comparatively recent years through the study of personal and institutional problems of hygiene, especially in relation to the school. Among the topics taken up will be the periods of development; school diseases; measurements and tests; time table; home study; examinations; fatigue; posture; medical inspection; school grounds, buildings, and decoration, etc. Reports will be required of actual conditions found and of possible methods of improvement. Elective. 6 weeks credit.

MR. MANNY.
ENGLISH

REVIEW, RURAL AND HIGH SCHOOL COURSES

7. **Preparatory 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. The topics announced for the August examination will be emphasized. MR. FREELAND.

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

GRADED SCHOOL AND LIFE CERTIFICATE COURSES

101. **English Composition.** Study of the paragraph, figures of speech and word usage. A formal study of description and narration; this is supplemented by daily themes in description, and by original work in the simple incident, fable, folk tale, and short story in narration. Each student will be required to read selections from the following writers as a basis for his theme work: Æsop, La Fontaine, Perault, Grimm, Andersen, Arabian Nights, Malory, Lamb, Irving, Poe, Hawthorne, Jewett, Wilkins, Stevenson, Kipling, Maupassant. Individual consultations and criticism on all written work. Study of the sentence and critical work in punctuation and general manuscript details. Formal study of exposition and argumentation. The essay and the written debate are stressed. One or more detailed outlines for original expositions and a brief for a long argument are required. The student must deliver his argument before a class in expression. Argumentation is supplemented by a study of typical forms from Burke, Webster, and Lincoln. Required in Graded School and Life Certificate Courses. 12 weeks credit. MR. SPRAU.

102. **English Literature.** Course 101 prerequisite. A study of literary topics as a background for later study of material for the grades and secondary school in connection with the history of English Literature. Beowulf, Chaucer, Malory, Shakespeare, Pope, De Foe, Scott, The Romantic Poets, Tennyson, Browning, and Stevenson are emphasized in connection with the great periods. Required in General and High School Life Courses. 12 weeks credit. MR. JONES.
103. **English and American Literature.** Course 102 prerequisite. **Literary Material for the Grades.** 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. He will be directed to the field of children's literature open to investigation. This is supplemented by the actual making of bibliographies. Wide reading will furthermore supplement class room discussion of prose and verse selections of which the following are representative: usable versions of Æsop, Grimm, and Andersen, Indian myths and Norse tales; Greek myths as found in Kingsley and Hawthorne; verses of Eugene Field and Stevenson; adaptations of Malory, Don Quixote, the Cid, and the Robin Hood Ballads; stories from Kipling and other contemporaries. Required in Life and Graded School Courses. 12 weeks credit.  

MR. JONES.

112. **A study of Lyric Poetry.** This course is intended for grade teachers especially. Its aim is to help the student to a fuller appreciation of good poetry; to know why a poem is good literature; and to suggest ways of using poetry with classes. 6 to 12 weeks credit.  

MR. SPRAU.

114. **Teachers' Course in Grammar.** This course embraces  
(a) Rapid academic review of the subject.  
(b) Comparative study of texts, using Whitney's "Essentials of English Grammar" as a basis.  
(c) Discussion of methods of teaching grammar in grades below the high school. 6 weeks credit.  

MISS MARSH.

**EXPRESSION**

**REVIEW, RURAL AND HIGH SCHOOL COURSES**

**Review Courses**

1. **Reading and Orthography.** A careful study will be made of "Reading in Public Schools," by Briggs and Coffman, one of the Reading Circle books. This book forms the basis for the county teachers' examinations in Reading in August and October. In Orthography a thorough study of Pattengill's Orthography will be made.

**GRADED SCHOOL AND LIFE CERTIFICATE COURSES**

101. **Reading.** A study of the elements of vocal expression; daily vocabulary drill; a discussion of the relation of reading to literature and the reading of classic selections. An analysis of
selections from the best literature and a study of their vocal interpretation. 12 weeks credit. Given each term.

103. Short Story Hour. This hour has as its aim instructive recreation. The instructor will read short stories, essays, and poems from modern standard authors, thereby aiming to suggest a taste and appreciation of modern literature.

104. Extemporaneous Speaking. The aim of this course is to prepare students for logical, forceful, extemporaneous thought and expression. 6 weeks credit.

105. Shakespearean Reading. A study of the principles of dramatic structure; of plots, and of the characters; and the application of these principles to three Shakespearean dramas. Vocal interpretation of the greatest scenes will be studied. 12 weeks credit.

Note.—Course 104 or 105 will be given according to elections of students.

GEOGRAPHY

REVIEW, RURAL AND HIGH SCHOOL COURSES

Review Courses

5. Review Geography. This review course is planned to prepare for the examinations in August and October. The topics announced by the Department of Public Instruction will be used as a basis for the work. MR. CARRICK.

GRADED SCHOOL AND LIFE CERTIFICATE COURSES

101A. Meteorology and Climatology. In this course, which is an integral part of the work in general geography offered by the department, the chief emphasis is placed upon the distribution of those climatic elements that condition the distribution of life on the earth. 12 weeks credit. MISS HARRISON.

101B. Geographic Geology. Study of the origin and distribution of the various land forms of the earth surface. In this course the various relief forms are studied by means of topographic maps and chalk modeling in connection with them. The course also includes a brief study of the chief rocks and minerals. 12 weeks credit. MISS HARRISON.

102A. Principles of Geography. This course should follow course 1 and 2, since the work consists of the study of the distribution of life forms—in relation to climate and to the relief of the land. The study covers the more general life zones and regions of the earth. 12 weeks credit. MISS HARRISON.
102B. **Regional Geography.** A study of the leading nations of Europe and of North America in a comparative way, emphasis being placed upon the commercial and industrial development. 12 weeks credit. MISS HARRISON.

These four courses cover the required work of the life course. Students of the graded school course desiring but one term of geography should take course 1 on Climate and course 4 on Regional Geography.

103. **Minerals and Rocks.** This is a nature study course given partly in the laboratory and partly in the field. Excursions will be made either between 4:10 and 6 o'clock or on Saturday mornings. Students who plan to take this work should bring all the rocks and minerals with them that they may have at home. 6 weeks credit. MISS HARRISON.

**GERMAN**

**REVIEW, RURAL AND HIGH SCHOOL 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.

**GRADED SCHOOL AND LIFE CERTIFICATE COURSES**

114. **Advanced 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 weeks credit. MISS ZIMMERMAN.

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

**HISTORY**

**REVIEW, RURAL AND HIGH SCHOOL COURSES**

7-8. **English History.** Elective in High School course. Special emphasis laid on the social and industrial development of England. 12 weeks credit. MR. GOULD.

12. **General History.** A review course for students expect-
ing to take the examination for second grade certificate. The class will meet twice daily. 12 weeks credit in High School course.

MISS LONGWELL.

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 12 weeks in the Rural School course may be earned. MISS LONGWELL.

MR. GOULD.

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. MR. CONKLING.

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. MISS LONGWELL.

106. The Nineteenth Century. A study of important historical developments in Europe. 12 weeks credit. MR. GOULD.

KINDERGARTEN

101. Kindergarten. Intended for those wishing to test their fitness for the regular course offered during the year. Students entering this course must hold a diploma from an accredited high school or its equivalent and credits will only apply on further pursuit of work offered in this department during the year. This course will consider the child, his life, interests, and play activities by means of reminiscences and observation.

a. Child Study Observations.
   1. Interests and powers of the child.
   2. Play activities.

b. General Principles of Practice.
   1. Gifts.
   2. Occupations.

c. Interactionary process between I and II.

6 weeks credit. MISS GAGE.

102. Kindergarten. This course is planned to meet a growing need of those primary and kindergarten teachers of experience who desire to further and deepen their insight into Froebel's fundamental principles in the light of modern psychology and child...
study. This course will be in the form of conferences for the discussion of principles and practice of elementary education. 6 weeks credit. MISS GAGE.

The kindergarten will be open to all students for practice or observation from 9 to 11 A.M. the first four weeks of the term.

LATIN

REVIEW, RURAL AND HIGH SCHOOL COURSES

2. Latin Composition. This course is designed for those who are preparing to teach Latin, and those who have taught but feel the need of added drill in writing Latin. 6 weeks credit. MISS PARSONS.

4, 7, or 10. Advanced Latin. Classes will be formed for those desiring work in Cæsar, Cicero, or Vergil. These courses are designed for those who wish to continue the study of one of these authors "in absentia," and the aim will be to give the student an insight into the life of the author, the historical background, and the method of study, which will enable him to continue the work without a teacher. 6 to 12 weeks credit. MISS PARSONS.

GRADED SCHOOL AND LIFE CERTIFICATE COURSES

108. Introduction to Latin. A course designed for those who have not had an opportunity to study Latin and do not expect to pursue Latin authors in the original. The aim will be to teach Latin roots and phrases common in English as an aid to the student in the understanding of English literature. 12 weeks credit. MISS PARSONS.

LIBRARY METHODS FOR TEACHERS

The courses in Library Methods for Teachers, 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. Two courses will be given: one in the 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 BRALEY.
102. The second course will include more general work,—daily discussions 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.

MANUAL TRAINING

101. Consists of hand work suitable for pupils of first four grades, and includes work with paper, cardboard, string, raffia, clay, wood, and other materials. 12 weeks credit. (Given in 1911, not in 1910.)

102. Instruction in wood and other materials suitable for the pupils in the fifth and sixth grades. 12 weeks credit. (Given in 1911, not in 1910.)

103. Instruction in woodworking shops suitable for students of the seventh and eighth grades. Work in various kinds of wood, the use of woodworking tools of all kinds, and the finishing of the objects made. 12 weeks credit. MR. HUFF.

104. (a) More advanced work in cabinet making and joinery, and elementary wood turning. 12 weeks credit. MR. HILL.

105. Advanced wood turning, pattern making, molding and casting of patterns made. 12 weeks credit. MR. HILL.

106. Forging exercises in drawing, upsetting, twisting, welding, tempering of iron and steel; ornamental work in iron; chipping, filing and fitting metals; use of drill press and engine lathe. 12 weeks credit. MR. HILL.

107-8. Economics of Manual Art. Development of manual training in the United States; organization of courses of study; planning of rooms and buildings; selection and purchase of tools and materials; supervision of manual training work; lectures and discussions; topical reports. 12 weeks credit. (Given in 1911, not in 1910.)

109. Consists of simple elementary and geometrical problems, the use of instruments, plans, and elevations of simple objects, and simple lettering. 12 weeks credit. MR. HUFF.

110. Continuation of geometrical problems, more advanced drawings of objects, drawings of shop exercises, and lettering, 12 weeks credit. MR. HUFF.
111. Orthographic projections, development of surfaces and sheet metal patterns, machine drawings. 12 weeks credit. MR. HUFF.

112. Isometric drawings, mechanical shading and drawings, designs for equipment for woodworking rooms, tracings and blue prints. 12 weeks credit. MR. HUFF.

113. Mechanical shading of drawings, including tinting in colors, plans of schoolrooms showing equipments, designs for shop exercises, machine drawings. Plans, elevations, details, specifications, tracings and blue prints of a manual training building. 12 weeks credit. MR. HUFF.

In the manual training courses instruction is given regarding materials, and topical reports are required. In the woodworking classes, Ritchey’s Manual Training is used as text-book. Much reference work is done, all students having free access to the library, which is well equipped.

MATHEMATICS

REVIEW, RURAL AND HIGH SCHOOL COURSES

6. 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 the methods of attack. MR. HICKEY.

13. Arithmetic. A review for those desiring to prepare for teachers’ examination. The topics announced by the State Department for the examinations in August and October will be emphasized. Four sections. MR. OTWELL.

14. Algebra. Review course for those preparing for teachers’ examination or for students who wish to review the subjects as a preparatory course. MR. HICKEY.

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 past and present day methods of teaching the subject. Assigned readings and class room discussions form a prominent part of this work.
(b) Review of some of the more difficult parts of arithmetic. 12 weeks credit.  
MR. FOX.

MR. FOX.

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 credit.  
MR. FOX.

Note.—Either 102 or 103 will be given, according to the number of students electing one course or the other.

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. DENNIS.

102. Elements of Vocal Music. This course must be preceded by Course I or its equivalent. It consists of ear training, voice culture, melodic writing of a simple character, advanced sight singing, and practice in part singing. 12 weeks credit.  
MRS. DENNIS.

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 weeks credit.  
MISS MARSH

Note.—Credit will be given for private lessons taken at the conservatory—two private lessons counting for four class lessons.

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 MARSH.
107. **Kindergarten and Primary Music.** 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 festivals 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 MARSH.

109. **Harmony I.** The work consists of ear training, and a study of construction of scales, intervals and chords. The writing of simple original settings for songs and the harmonizing of easy melodies. Students must have had Elements of Music I or its equivalent and be able to play chords, scales, and hymn tunes. 

6 weeks credit. 

MISS MARSH.

**Private Lessons.** Students desiring private lessons in piano, voice culture, violin, or dramatic reading may arrange for instruction by consulting the Secretary of the Conservatory of Music. Studio, 927 Walwood Place.

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**PHYSICAL TRAINING FOR WOMEN**

**RURAL COURSE**

3. The work offered will be suitable for use in the Rural Schools. 

MISS DAVIS.

**GRADED SCHOOL AND LIFE CERTIFICATE COURSES**

101. A course suitable for teachers in the grade schools. The first part of the course will include marching, simple exercises for all parts of the body, folk dances, plays and games. 

MISS DAVIS.

102. More advanced work in marching, Swedish and German gymnastics, light apparatus work with wands, dumb-bells, Indian-clubs, fancy steps and folk dances will complete the course. Great stress will be laid upon folk dances, plays, and games which furnish play, such a necessary adjunct to the life of the child. Also
Fourth Grade Decorating Faculty Rest Room
upon those exercises tending to correct the faulty posture of the child acquired by sitting in school. MISS DAVIS.

105. Instruction in swimming and tennis will be given to those desiring it. MISS DAVIS.

DEPARTMENT OF RURAL SCHOOLS

The aim of this department is to fit teachers for efficient service in rural schools. An increasing number of rural districts are demanding trained teachers, and these districts are accompanying this demand with an increase in the wages offered. Teachers of rural schools can show their appreciation of these improving conditions and their honesty of purpose in meeting these conditions in no better way than by accepting every offered opportunity for improving the character of their services to the districts.

The county commissioners of southwestern Michigan who cooperated so heartily in the work last year are most cordially urged to spend as much time as possible in Kalamazoo during the weeks between June 27 and August 5. During the term there will be a series of conferences of commissioners to consider questions pertaining to the welfare of rural schools. Some one of the County School Commissioners present will lead in these discussions. On enrollment day each Commissioner present will have a place in which to confer with the teachers from his county, and all the term after 3:20 o'clock p.m. room 13 (the first room north of the assembly room on the second floor of the Normal building) will be at the disposal of any Commissioner who wishes to call the teachers of his county together for social or other purposes. In this room will be found exhibits of actual and suggested rural school work.

SPECIAL COURSES

In addition to the academic, review, and methods courses offered in the several departments, three courses will be given in the Rural School Department which will be planned for the specific purposes 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 laws, and community and industrial conditions by which their work is governed.

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 owning McMurry's "How to Study and Teaching How to Study," and text-books in school management should bring them. The work will be supplemented by library references and incidental illustrations from the daily work of rural schools. The exhibits of actual rural school work from the counties and from the Normal's Rural Observation School will be closely studied. This course will directly aid all who are preparing for the August county teachers' examination, in three regular examination topics: Theory and Art, Course of Study, and School Law. As many sections will be organized as the enrollment makes advisable. All who complete this course will be given 6 weeks credit in the regular Rural School Course.

MR. PHELAN.
MR. SWAIN.

2. Rural Social Service. A directed course in reading in Rural Social Service will be amplified by discussion for the purpose of calling the attention of 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 Rural School Course.

3. Nature Study and Agriculture. Modern agriculture is applied biology and has its foundation in the fundamental sciences, botany, zoology, and physiology. It is the purpose of this course to begin for the student a scientific foundation which will enable him not only to understand and appreciate, but also intelligently to apply the fundamental principles of scientific agriculture. This course forms an organized basis for instruction in nature study. 6 weeks credit.

DR. HARVEY.
MISS KOCH.

TEACHING

101. General Methods. (1) A study of the elementary school curriculum with consideration of the subject matter best suited to the interest 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 DENSMORE.
MISS SPINDLER.

107. **Graded Primary Methods.** (1) Study of interests and activities of primary children. (2) Consideration of material of different subjects best adapted for development or inhibition of these activities. (3) Discussion of methods of handling materials. (4) At least one-half hour daily of observation in the training school, with reports and class discussion. 6 weeks credit.

MISS DENSMORE.

7. **Rural School Methods.** The preceding course will be given in two sections, one for graded school, the other for rural school teachers. In the latter course special problems of the rural school will be considered and emphasis will be given to the construction work and seat work possible in rural schools. At least one-half hour daily of observation in the training school is required. 6 weeks credit.

MISS ENSFIELD.

**TRAINING SCHOOL**

In addition to the kindergarten, the first and second, third and sixth grades of the training school will be in session from 9 to 11 A.M. each day for four weeks of the summer term, to accommodate those who wish to observe teaching in the grades. The regular critic teachers 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 them. No Normal School credit is offered for this work. Commissioners may arrange with the director, however, for reports of attendance of their teachers. Observation will be required in connection with the courses in Graded Primary and Rural School Methods.

MISS DENSMORE and CRITIC TEACHERS.
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