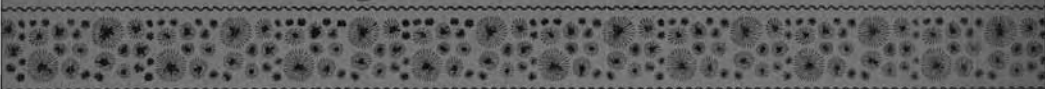


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MICHIGAN

State Normal School

1892-93.

REGISTER.



THE YPSILANTIAN JOB PRINTING HOUSE, YPSILANTI, MICH.



REGISTER

OF THE

MICHIGAN

STATE NORMAL SCHOOL

FOR

1892-93.

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YPSILANTI, MICHIGAN.

---

1893.



THE YPSILANTIAN JOB PRINTING HOUSE.



# Michigan State Normal School.

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## ANNOUNCEMENTS FOR 1893-94.

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1893.

Tuesday Evening, June 27,—Alumni Meeting.

Wednesday, June 28,—Commencement.

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Tuesday and Wednesday, Sept. 12 and 13,—Entry Examinations.  
Classification of former students.

Thursday, Sept. 14,—Classification of all new students. Recitations begin.

Monday Morning, Nov. 20,—Beginning of second half of First Term.

Thursday and Friday, Nov. 23 and 24,—Thanksgiving Recess.

Thursday Evening, Dec. 21,—Holiday Recess begins.

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1894.

Wednesday Evening, January 3,—Holiday Recess closes.

Friday and Saturday, Feb. 2 and 3,—Entry Examinations.

Friday Evening, Feb. 2,—First Term closes.

Monday Morning, Feb. 5,—Second Term begins.

Friday Evening, April 13,—First half of Second Term ends and Spring Recess begins.

Monday Evening, April 23,—Spring Recess closes, and second half of Second Term begins.

Tuesday Evening, June 26,—Alumni Meeting.

Wednesday, June 27,—Commencement, Second Term closes.

STATE BOARD OF EDUCATION.

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HON. PERRY F. POWERS, PRESIDENT,	-	-	Cadillac.
Term expires December 31, 1894.			
HON. HENRY R. PATTENGILL, SECRETARY,	-	-	Lansing.
Term expires December 31, 1894.			
HON. DAVID A. HAMMOND, TREASURER,	-	-	Charlotte.
Term expires December 31, 1896.			
HON. E. A. WILSON,	-	-	Paw Paw.
Term expires December 31, 1898.			

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HON. HENRY R. PATTENGILL,

*Superintendent of Public Instruction.*

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BOARD OF VISITORS, 1892-93.

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COMMISSIONER D. E. McCLURE,	-	-	-	Shelby.
COMMISSIONER T. J. G. BOLT,	-	-	-	Trent.
MR. DANIEL McNAIR.	-	-	-	Tecumseh.

## FACULTY, 1892-93.

- ✓ JOHN M. B. SILL, M. A., M. Pd.,  
PRINCIPAL.

*Mental and Moral Science and Theory and Art of Teaching,*

- ✓ DANIEL PUTNAM, M. A., VICE-PRINCIPAL.  
✓ PERRY F. TROWBRIDGE, B. Pd., Ph. B., Assistant.

*History and Civil Government,*

- ✓ JULIA A. KING, M. A., M. Pd., PRECEPTRESS.  
✓ MARY B. PUTNAM, Ph. B., B. Pd., Assistant.  
✓ FLORENCE SHULTES, Instructor.

*Music and Director of Conservatory,*

- ✓ FREDERIC H. PEASE.  
✓ OSCAR GAREISSEN, Instructor.

*Mathematics,*

- ✓ DAVID E. SMITH, Ph. M., Ph. D.  
✓ LAMBERT L. JACKSON, Assistant.  
✓ ADA A. NORTON, B. Ph., Assistant.  
✓ EMMA C. ACKERMAN, Instructor.

*German and French Languages,*

- ✓ AUGUST LODEMAN, M. A.  
✓ ANNIE A. PATON, B. Pd., Assistant.

*Training School,*

- ✓ AUSTIN GEORGE, M. A. Director.  
✓ MAUD E. CANNELL, Kindergarten.  
✓ LILLIAN CRAWFORD, 1st Grade.  
✓ MAUDE BALL, 2d Grade.  
✓ HATTIE M. PLUNKETT, 3d Grade.  
✓ MARY J. BLOUNT, 4th Grade.  
✓ IDA TAYLOR, 5th Grade.  
✓ WINNIE J. ROBINSON, 6th Grade.  
✓ FLORA WILBER, 7th Grade.  
✓ K. MAUDE CADY, 8th Grade.

FACULTY—CONTINUED.

*Natural Sciences (Systematic Botany and Physiology),*

✓ LUCY A. OSBAND, M. A.

*Physical Sciences,*

✓ EDWIN A. STRONG, M. A.

✓ WALTER F. LEWIS, Assistant.

✓ FRED R. GORTON, Instructor.

*English Language and Literature,*

✓ FLORUS A. BARBOUR, B. A.

✓ LOIS A. McMAHON, B. Pd., Assistant.

✓ ABBIE PEARCE, B. Pd., Assistant.

✓ HIRAM W. MILLER, Assistant.

*Latin and Greek Languages,*

✓ BENJAMIN L. D'OUGE, M. A.

✓ HELEN B. MUIR, Assistant.

*Natural Sciences (Structural Botany, Geology, and Zoology),*

✓ WILL H. SHERZER, M. S.

*Drawing and Geography,*

✓ \*CHAS. T. Mc. FARLANE.

*Penmanship,*

✓ P. R. CLEARY.

*Librarian,*

GENEVIEVE M. WALTON.

GERTRUDE E. WOODARD, B. Pd., Assistant.

FRANCES L. STEWART,

*Clerk.*

\*Appointed April 24, 1893, in place of John Goodison, M. Pd., deceased.



# Michigan State Normal School.

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## PURPOSE AND ORGANIZATION.

Under the Constitution of the State of Michigan, the Normal School is made a part of its public school system. It is under the full charge and direction of the State Board of Education. This Board consists of four members, three of whom are elected as such by the people; the fourth is the State Superintendent of Public Instruction, who is, *ex officio*, a member, and the Secretary. The term of office of elected members is six years, one being chosen each alternate year.

The original Normal School building, now very much enlarged and improved, was finished and made ready for use in the summer of 1852, and was formally dedicated with appropriate ceremonies on October 5 of that year. The School was opened for the admission of regular classes in the Spring of 1853.

Its permanent means of support are the interest on the Normal School fund, amounting to about \$4,200 per year, and a small entry fee paid by each student. These sources furnish but a small portion of the funds necessary for its maintenance. For the rest, it depends upon appropriations by the State Legislature, and these adequately supply its needs.

The sole function of the Normal School is to prepare teachers for the efficient performance of the duties required of them in all grades of the Public Schools of the State. Hence, the School in all its departments has been organized with direct reference to this end. All students entering upon the Normal Courses of Study sign a declaration of intention to teach in the schools of Michigan. The courses of study, the methods of instruction, and the practice teaching done under careful supervision and subjected to close and searching criticism, are all planned with reference to affording thor-

ough and effective professional training; and while the Normal School recognizes the demand for fully prepared teachers for the higher grades of work required by the Grammar and High Schools of the State, it furnishes the amplest facilities to that great army of instructors who teach the district and rural schools, to fit themselves for better accomplishing the important work in which they are engaged.

### SPECIAL ADVANTAGES.

The Normal School offers excellent advantages to young men and women who desire to prepare for success and usefulness in the teacher's profession.

Its buildings are ample and convenient; its location is easily accessible, healthful, and in all respects desirable.

The State Normal School is authorized to certificate its graduates as

### LEGALLY LICENSED TEACHERS.

It is the only school in the State whose sole business it is to prepare teachers for their work. It is thoroughly equipped with an ample corps of experienced instructors. Expenses are so moderate that hundreds of young men and women find themselves able, with their own earnings, to complete its course of study without calling upon friends for assistance.

### THE SCHOOL OF OBSERVATION AND PRACTICE

is large and complete in all its equipments, thus affording the best facilities for gaining experience in teaching under thorough supervision and careful criticism. All its departments are in possession of extensive illustrative apparatus, and liberal accommodations in respect to lecture and recitation rooms. Its eight Primary and Grammar grades correspond to those in well organized city schools, and a ninth grade recently organized connects it with the Normal School proper and prepares its pupils for entry thereto. An expert model teacher is now in charge of each of the Primary and Grammar grades, thus affording the best facilities for observation as well as for practice in teaching.

## PROFESSIONAL KINDERGARTEN INSTRUCTION.

Realizing the duty of prompt response to all actual educational demands, the State Board of Education, have added a well equipped kindergarten to the Training Department of the State Normal School. The results have fully justified this action.

## CONTINUOUS REVIEWS.

In answer to numerous inquiries, it seems best to note here the fact that classes in the common branches begin reviews at the opening of each half-term. There are, therefore, four times in the school year when students desiring reviews in Arithmetic, Grammar, Geography, Orthoëpy, Reading, Civil Government, Physiology, etc., may, if they are found prepared to enter them, find classes which will meet their needs, *but students are strongly advised to enter at the beginning of the school year* or else at the opening of the second term.

## MUSIC.

The facilities for study in this important branch of education are of a superior kind. The choir affords opportunity for abundant practice in reading music and singing, under the direct supervision of the head of the department. The demand for special teachers of music in the public schools is rapidly increasing. Students having even a limited degree of aptitude in this direction are advised to take at least the regular 20 weeks' course in Vocal Music. Vocal Music and Advanced Vocal Music will be accepted as elective studies in any of the courses which provide for elective work.

## LIBRARY.

A Library consisting of more than 12,000 volumes, selected with especial reference to the needs of the School, is kept open, with an experienced librarian in charge, throughout each school day and on Saturdays. This library is free to all students of the Institution, and affords them access to the best periodicals of the day as well as to valuable and standard books of reference in History, Art, Science, Literature, etc. It is now completely classified and catalogued, and is located in elegant and commodious rooms.

## LITERARY SOCIETIES.

The Literary Societies connected with the School are organized under one general constitution, and constitute together the Normal Lyceum. At present there are four divisions of the Lyceum, known as the "Adelphic," "Olympic," "Crescent," and "Atheneum" Societies.

The public exercises of the Lyceum, and the special exercises of the societies give full and valuable opportunities for acquiring a correct knowledge of the rules and usages of deliberative bodies, and for practice in public reading, declamation and debate. These societies are now in possession of new and beautiful rooms, which they have decorated and furnished in an attractive style.

## THE NORMAL NEWS.

This is a monthly educational and literary periodical conducted by the students, under the general supervision of a committee of the Faculty. It affords valuable opportunities for practice in literary work. It has had a successful life covering eleven years. Its managers have established an Annual Oratorical Contest among Normal School students. Eight contestants, four young women and four young men, are annually chosen as follows: one by each of the four Literary Societies, one by the Senior Class, one by the Junior Class, and two by the Faculty.

## STUDENTS' CHRISTIAN ASSOCIATION.

A strong and vigorous society exists under this name. A suitable room is provided for its use. Its large membership is enthusiastic and earnest, and its influence upon the moral tone of the school is most salutary. The society is non-sectarian, broad and comprehensive in its spirit and purpose, the moral elevation of its members being its first and best purpose. All students are advised to enroll themselves in its membership, and thus to take advantage of the help which it freely offers. The association is making a vigorous effort to secure, through the contribution of students and sympathizing friends, a building devoted exclusively to its purposes.

## CONVERSATIONS.

On the afternoon of one day in each week, from four to five o'clock, a Conversation is held by the Ladies of the Faculty with

the lady students, upon subjects of a practical and professional character. These Conversations embrace topics which can not be fully discussed in the class room, and are of great value.

#### LECTURE ASSOCIATION.

A committee of the Faculty has in charge the yearly arrangement of a most excellent course of lectures, concerts, and other valuable and instructive entertainments. This course has been regularly and successfully carried on for several years. The object of this enterprise is to furnish to students the opportunity of attending such a course at a very small expense. Thus far good seats for the entire course of ten or twelve evenings have been obtained by students at a cost of not more than ten or fifteen cents per evening.

## INFORMATION CONCERNING TERMS AND VACATIONS, EXPENSES, ETC.

### TERMS AND VACATIONS.

The school year is divided into two terms of twenty weeks each, although classes in many of the common branches are arranged to begin work at the middle of each term as well as at the beginning. See Announcements and Schedules of Daily Work.

The long vacation begins late in June and ends early in September. There are, during the school year, a vacation at the Christmas Holidays, and a spring vacation of one week beginning about April 10. Students are required to remain on duty until the last school exercise preceding a vacation is completed, and to be present at the hour of opening after a vacation.

### EXPENSES.

Every student not holding an appointment from a member of the Legislature of Michigan, is required, each term, to pay five dollars in advance as an *admission fee*.

NOTE.—Each member of the Legislature is authorized by the Board of Education to appoint two students *from his district*, who will be received *free of charge* for admission on presentation of a certificate of appointment. The certificate must be presented at the time of admission. Each appointment is good for one year, unless sooner terminated by the expiration of the legislator's term of office; but in such cases the certificate will be held good during the time elapsing between December 31 and the end of the first term.

Students in Advanced Chemistry pay a fee of two dollars; in Physical Technics and Laboratory Practice, a fee of one and one-half dollars. In the department of Natural Sciences, students in Structural Botany, Structural Zoölogy, Biological Technics and Lithological Geology pay a fee of one dollar. Neither of these fees will be required more than once during each student's course of work. Those taking Kindergarten Instruction and Methods provide themselves with a full line of blank books for mounting their work. The cost of these books is about four dollars. Students, upon grad-

uation in either of the three years' courses pay a fee of two dollars for their certificates of graduation ; those completing more advanced courses pay a diploma fee of three dollars.

#### BOARD AND ROOMS.

The School has no system of dormitories. Its students board and live in the homes of citizens. There is plenty of room for all. Terms are moderate, and there is a prevalent desire on the part of citizens to make these temporary homes of students pleasant and comfortable. In point of economy of living, the Normal School offers unsurpassed advantages. Most students take furnished rooms at from 75 cents to \$1.25 per week, the difference in price being governed by the size and desirability of rooms. The usual practice is to obtain board with a club of students at rates averaging about \$1.75 or \$2.00 per week. Private board with furnished rooms is readily obtained in families, at rates varying from \$3 to \$4 per week.

The best way to arrange for living is to come and select, each for himself. Strangers having no acquaintance in the city are invited to come at once to the office of the Principal, where the clerk will give information concerning board and rooms and the addresses of persons offering accommodations.

Students are allowed to board at such places and under such regulations only as are approved by the Faculty. Young women and young men are not allowed to occupy rooms in the same house.

#### ADVICE TO STUDENTS EXPECTING TO ENTER.

Many students who come to the Normal School from other schools are found deficient in their knowledge of the elementary branches, and fail in their attempt to pass the academic phases of these studies, upon examination. It is especially advised that all who propose to enter make careful reviews, especially of Arithmetic, Grammar, Geography, Orthoëpy, and Spelling. Too often these subjects are learned in the grammar schools without subsequent reviews. This is a mistake. A teacher needs a more thorough knowledge of these subjects than it is possible to get in childhood. Reviews are needed after there is maturity and discipline to build upon. High Schools which provide for no review of the common branches in the eleventh or twelfth year, are weak in this respect.

It is to be remembered that the Faculty cannot accept standings

from other schools in third grade certificate studies (see page 19). If students would make thorough reviews before entering, much time would be saved.

#### LENGTH OF TIME REQUIRED

to complete a course. Students can best determine this for themselves, as follows: Observe the studies required in the course which you elect. Check out all third grade certificate studies (see page 19) which you are confident you can pass by examination. Next, check out all higher studies in which you can bring satisfactory standings, or in which you are ready for examination. Then compute the time required to complete what remain unchecked. Note that each term's work includes *four* studies of twenty weeks each, or their equivalent in ten-week studies—eighty weeks in all. You can thus determine, approximately, the number of weeks or terms required to complete the course selected.

#### COURSES OF STUDY.

Students are offered a choice from several Courses of Study; an account of which may be found at the proper place in this Register. These Courses have been arranged to meet the demands of the various grades of schools and the needs of the different classes of teachers. All the Courses of Study demand a nearly equal amount of professional training and instruction.

#### THE NINTH GRADE.

It will be seen that Ninth Grade Courses have been established. The teaching in this grade is a part of the training course of the Normal School. This grade connects the Grammar Grades of the Training School with the Normal School proper.

Instruction will be under immediate charge and supervision of the heads of the several departments. Students found deficient in their preparation in the common branches required for entry to the Normal School, will pursue preparatory studies in the classes of this grade.

#### COURSES FOR GRADUATES OF APPROVED HIGH SCHOOLS.

In another part of this Register will be found several one and two years' courses of study, on completion of which graduates of ap-



proved High Schools will be entitled to receive the certificate, or the diploma and certificate, to which the corresponding regular three and four years' courses lead.

#### COURSE FOR COLLEGE GRADUATES.

Attention is called to the advantages of the Course of Study especially designed for graduates in the Literary and Scientific Courses of the University and incorporated Michigan Colleges. (See Courses of Study.) It will be found to be purely professional in its character. Its studies occupy one half year, and it leads to a life certificate and the degree of Bachelor of Pedagogics.

#### CERTIFICATES, DIPLOMAS, ETC.

Students graduating in any of the courses are entitled to a certificate of qualification to teach in the Public Schools of Michigan. The three-years' courses lead to such a certificate, good for five years. The four years' courses lead to a life certificate and a diploma. The advanced (six-years') courses and the Course for College Graduates lead to the degree of Bachelor of Pedagogics and a life certificate.

## REQUISITES FOR ADMISSION.

*See also "Explanation of Courses."*

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Students entering the Normal School are required to sign the following declaration of the intention to teach. "I hereby declare that it is my intention to teach in the schools of the State of Michigan and that it is my purpose in entering this Normal School to make preparation for teaching in said Schools."

Graduates of approved High Schools will be admitted upon diploma, without entry examination. Other applicants for admission must sustain a satisfactory examination in the following subjects:

(a.) Arithmetic, including the facts, principles, and operations of simple and compound numbers, of fractions, of ratio and proportion, of percentage and its applications, and of square root.

(b.) English Grammar, including the parts of speech and their uses or relations in connected discourse, and the structure and analysis of sentences.

(c.) Geography, including position, boundaries, and coast lines of grand divisions; location of the great plateaus and lower lands; position and direction of mountain ranges; the source, course, and discharge of rivers; boundaries, capitals, and chief cities of political divisions; and, in general, the contents of the maps of a good Grammar School Geography.

*Note.*—In general it may be said of the three studies named above, that students are admitted to membership in the Normal School proper, when examination shows them to be able to complete these subjects, in their academic aspects, in the ten-weeks' Teacher's Reviews named elsewhere in "List A" (of studies offered.)

(d.) Spelling.

(e.) Algebra. The preparatory work in Algebra includes the following topics: Addition, Subtraction, Multiplication, Division,

Factoring, Greatest Common Divisor, Least Common Multiple, and Fractions.

Preparatory classes in the Common Branches and Algebra will be organized in the Ninth Grade at the beginning of each term. These classes afford opportunity for those who are found deficient in any of the requisites for admission, to make the necessary preparation, but students will not be required to remain in any of these classes longer than is necessary to make up such deficiency.

Reference to the Courses of Study will show that these subjects, in their more advanced phases, are all pursued in the Normal School proper. The requisites mentioned in the preceding paragraphs are preparatory to these final courses.

The regular Normal School classes in Geography, Grammar, Arithmetic, Penmanship, Reading and Orthography, Civil Government, and Physiology are organized at the beginning of each half-term. Students will find it greatly to their advantage to enter at the beginning of a school year, or, if this is not practicable, at the beginning of a term. See "Announcements."

#### REQUISITES FOR ENTERING ADVANCED CLASSES.

If the examination for admission shows that a student is prepared to enter the School, a final examination will be given, when desired, in the academic matter of any study, and the student will be credited with the standing shown by such examination. Accepted standings from other schools will also be credited for advanced work; but

#### OBSERVE

that certificates of standing from other schools or institutions will not be taken in those branches required by law for the legal license to teach, namely: Orthography, Reading, Writing, Geography, Grammar, Arithmetic, U. S. History, Civil Government, and that part of Physiology and Hygiene which has special reference to the effect of alcoholic drinks, stimulants, and narcotics, upon the human system.

Certificates of standing, except in the third grade certificate studies named above, will be accepted in place of examinations, from schools as follows:

1. From the University of Michigan, the Agricultural College, and all incorporated Michigan Colleges.

2. From all schools whose graduates are admitted to the University upon diploma.

3. From High Schools, etc., approved by the board of Education, upon recommendation of the Faculty.

4. From all other Michigan schools engaged in High School work, upon the following conditions :

Students bringing standings from schools not yet placed upon the list of accepted schools, will be referred to the heads of the departments concerned, who will confer with them concerning the extent of their progress, the length of time given to each study, etc., satisfy themselves as to the thoroughness and extent of acquirement by examination more or less formal, as the case may require, and credit them with the full value of their work.

Under these conditions, all schools not at present upon the list are most cordially invited to send standings.

5. Certificates of standing must be signed by the proper officer of a college, or by the superintendent or principal teacher of the school which issues them, and *should state definitely the text-book used, the amount and quality of work done, and the time given to the study.* Blank forms for these certificates will be furnished on application.

If students are found seriously deficient in any branch of study for which they have received credit upon certificate, the right to require them to pursue such study in regular classes before graduation, is expressly reserved.

## COURSES OF INSTRUCTION.

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1. Four daily studies pursued for 40 weeks (160 weeks of work) constitute the regular work for one school year. The satisfactory completion of 480 weeks of such work (three years) makes up the amount necessary for the completion of either of the two courses leading to a certificate or license to teach in the public schools of Michigan, good for five years; and 640 weeks of such work are required for the completion of any of the four years' courses leading to a diploma and a life certificate. The several studies required in each course are set forth under "Courses of Study" on the following pages.

2. The Advanced Courses, leading to a life certificate, a diploma, and the degree of Bachelor of Pedagogics, cover 960 weeks of satisfactorily completed work as follows:

(a.) For those who have completed either of the three years' courses, 480 weeks of additional work selected from the studies named in lists A and B, or the full equivalent of such studies.

(b.) For those who have completed any one of the full four years' courses, (the Music Course excepted,) 320 weeks of additional work, selected as shown under 2, *a* above:

(c.) Provided, that among the studies so selected shall be professional studies as follows: Numbers 20 and 96 of List A, and numbers 100, 101 and 102 of List B, unless a record has already been made in them, and provided that the studies so selected include all the work offered by at least two of the following departments of this School, viz., Mental and Moral Science and Theory and Art of Teaching, History and Civics, Mathematics, French and German, Latin and Greek, Physical Sciences, Natural Sciences, and English Language and Literature, and provided that the studies selected outside of these two departments be pursued at least to the extent required for completing such studies in this School.

3. The "satisfactory completion" of any study is to be understood as follows:

(a.) A record earned in the study by regular class work, or by examination if the study be Arithmetic, Grammar, Geography, Spelling, Reading and Orthoëpy, Civil Government, History of the United States, or Physiology so far as it has special reference to the effects of stimulants and narcotics upon the human system.

(b.) In all other studies, a record earned as above, or by the presentation of approved standings.

*Note.*—Students are not allowed to take more than four studies at a time except in extraordinary cases, and then only on trial.

### LIST A.

*Of Studies offered in the Three and the Four Years' Courses, showing also the number of weeks which each study regularly occupies.*

#### CIVICS.

1	Science of Government, Teacher's Review .....	10 weeks.
2	Political Economy.....	10 "

#### ENGLISH.

3	Reading and Orthoëpy, Teacher's Review .....	10 "
4	Grammar, Teacher's Review .....	10 "
5	Rhetoric.....	20 "
6	English Literature .....	20 "
7	Advanced English Literature.....	10 "
8	American Literature.....	20 "
9	Old and Middle English.....	20 "
10	Study of Masterpieces.....	20 "
11	Professional Training in Grammar.....	5 "
12	" " Reading.....	5 "

#### HISTORY.

13	U. S. Political History.....	20 "
14	English History.....	20 "
15	General History (except English).....	20 "
16	Grecian and Roman History.....	20 "
17	English Constitutional History.....	20 "
18	Institutes of General History.....	20 "
19	Continental History .....	20 "
20	History of Education.....	10 "
21	Professional Training in History.....	10 "

#### LANGUAGES, ANCIENT.

22	Latin, 1st Term.....	20 "
23	" 2d " .....	20 "
24	" 3d " .....	20 "
25	" 4th " .....	20 "
26	" 5th " .....	20 "
27	" 6th " .....	20 "
28	" 7th " .....	20 "
29	" 8th " .....	20 "

30	Greek, 1st Term.....	20 weeks.
31	" 2d ".....	20 "
32	" 3d ".....	20 "
33	" 4th ".....	20 "
34	Classical Literature and Methods.....	10 "
<b>LANGUAGES, MODERN.</b>		
35	French, 1st Term.....	20 "
36	" 2d ".....	20 "
37	" 3d ".....	20 "
38	" 4th ".....	20 "
39	" 5th ".....	20 "
40	German, 1st Term.....	20 "
41	" 2d ".....	20 "
42	" 3d ".....	20 "
43	" 4th ".....	20 "
44	" 5th ".....	20 "
45	" 6th ".....	20 "
46	" 7th ".....	20 "
47	Modern Literature and Methods.....	10 "
<b>MATHEMATICS.</b>		
48	Book-keeping.....	10 "
49	Arithmetic, Teacher's Review.....	10 "
50	Algebra II.....	20 "
51	Algebra III.....	20 "
52	Plane Geometry.....	20 "
53	Solid Geometry.....	20 "
54	Higher Algebra.....	20 "
55	Trigonometry.....	10 "
56	Surveying.....	10 "
57	Calculus.....	20 "
58	Professional Training in Arithmetic.....	5 "
<b>MUSIC.</b>		
59	Vocal Music.....	20 "
60	Advanced Vocal Music.....	20 "
61	Voice Culture I.....	20 "
62	" " II.....	20 "
63	" " III.....	20 "
64	" " IV.....	20 "
65	" " V.....	20 "
66	" " VI.....	20 "
67	Harmony I.....	20 "
68	" II.....	20 "
69	Musical Composition.....	20 "
70	History and Literature of Music.....	20 "
71	Counterpoint, etc.....	20 "
<b>NATURAL SCIENCES.</b>		
72	Structural Botany.....	10 "
73	Systematic Botany.....	10 "
74	Structural and Comparative Zoölogy.....	20 "
75	Systematic Zoölogy.....	10 "
76	Biological Technics.....	10 "
77	Teacher's Review of Physiology and Hygiene.....	10 "
78	Lithological Geology.....	10 "
79	Dynamical Geology.....	10 "
80	Historical Geology.....	10 "

81	Geography, Teacher's Review.....	10 weeks.
82	Professional Training in Geography.....	5 "

**PHYSICAL SCIENCES.**

83	Physics I.....	20 "
84	" II.....	20 "
85	Advanced Physics.....	20 "
86	Chemistry.....	20 "
87	Advanced Chemistry.....	20 "
88	Astronomy.....	20 "
89	Physical Technics.....	10 "
90	Physical Laboratory Practice.....	10 "
91	Professional Training in Science.....	10 "

**PENMANSHIP AND DRAWING.**

92	Penmanship.....	10 "
93	Drawing.....	20 "
94	Advanced Drawing.....	20 "

**MENTAL AND MORAL SCIENCE.**

95	Psychology.....	20 "
96	Psychology Applied.....	20 "
—		
97	Kindergarten Instruction and Methods.....	20 "
98	Practice Teaching.....	20 "
99	" ".....	20 "

NOTE ON LIST A.—Studies 61-71 are excluded from elective studies to be credited in making up a course, except when the student is pursuing the Music Course. Studies 76 and 90 are interchangeable in all courses. Work in any Ancient or Modern Language is not credited in making up the amount due in any course, until a record in such language covering at least three terms, has been earned. Vocal Music 59 and Advanced Vocal Music 60 are accepted as elective studies.

**LIST B.***Additional Studies offered to Students in Advanced Courses.*

100	Advanced Psychology.....	10 weeks.
101	Discussions and Comparisons of Educational Systems and Theories.....	10 "
102	Advanced Practice Teaching and Supervision.....	20 "
103	Entomology.....	20 "
104	Meteorology.....	10 "
105	General Geometry and Calculus.....	20 "
106	Advanced Rhetoric.....	20 "
107	Latin, 9th Term.....	20 "
108	" 10th ".....	20 "
109	" 11th ".....	20 "
110	" 12th ".....	20 "
111	Greek, 5th Term.....	20 "
112	" 6th ".....	20 "
113	" 7th ".....	20 "
114	" 8th ".....	20 "
115	Studies in German and French Literature.....	20 "
116	United States Constitutional History.....	20 "
117	Instrumental Astronomy.....	10 "



## COURSES OF STUDY.

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### NINTH GRADE.—ENGLISH AND SCIENTIFIC COURSES.

NOTE.—The numbers placed after the names of studies in this and following Courses refer to the corresponding numbers in List A.

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*1st Term.* { Arithmetic.  
Vocal Music, 59.  
U. S. History.  
Grammar and Composition.

*2d Term.* { Algebra I.  
Physiology.  
Grammar and Composition.  
Reading English Classics.

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### NINTH GRADE.—LANGUAGE COURSE.

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*1st Term.* { Arithmetic.  
Grammar and Composition.  
U. S. History.  
Latin I, 22, or German I, 40.

*2d Term.* { Algebra I.  
Vocal Music, 59.  
Physiology.  
Latin II, 23, or German II, 41.

## FIVE YEARS' CERTIFICATE COURSE.

## FIRST YEAR.

1st Term. { Drawing, 93.  
Rhetoric, 5.  
Algebra II, 50.  
Elective.

2d Term. { English History, 14.  
Botany, 72 and 73.  
Algebra III, 51.  
Elective. | Rdg. and Orth., Tchr. Rev., 3.

## SECOND YEAR.

1st Term. { Elective.  
English Literature, 6.  
Plane Geometry, 52.  
Arithmetic, Tchr. Rev., 49. | Grammar, Tchr. Rev., 4.

2d Term. { Sci. of Govt., Tchr. Rev., 1. | Zoölogy, 75.  
Physics I, 83.  
Psychology, 95.  
Geography, Tchr. Rev., 81. | Penmanship, 92.

## THIRD YEAR.

1st Term { History of Education, 20. | Physiology, Tchr. Rev., 77.  
U. S. Political History, 13.  
Physics II, 84.  
Rdg. & Gram., Prof. Tr., 12, 11. | Arith. & Geog., Prof. Tr., 58, 82.

2d Term. { Psychology Applied, 96.  
Hist. or Sci., Prof. Tr., 21 or 91. | Lab. Prac., 90, or Biol. Tech., 76.  
Teaching, 98.  
Teaching, 99.

## KINDERGARTEN COURSE.

## FIRST YEAR.

- 1st Term. { Drawing, 93.  
Rhetoric, 5.  
Algebra II, 50.  
Vocal Music, 59.
- 2d Term. { English History, 14.  
Botany, 72 and 73.  
Algebra III, 51.  
Physiology, Tchr. Rev., 77. | Rdg. & Orth., Tchr. Rev., 3.

## SECOND YEAR.

- 1st Term. { English Literature, 6.  
Plane Geometry, 52.  
Arithmetic, Tchr. Rev., 49. | Grammar, Tchr. Rev., 4.  
Penmanship, 92. | Geog., Tchr. Rev., 81.
- 2d Term. { Physics I, 83.  
Psychology, 95.  
Sci. of Govt., Tchr. Rev., 1. | Zoölogy, 75.  
Solid Geometry, 53.

## THIRD YEAR.

- 1st Term. { Kindergarten Instruction and Methods, 97.  
U. S. Political History, 13.  
Physics II, 84.  
Rdg. & Gram., Prof. Tr., 12, 11. | Arith. & Geog., Prof. Tr., 58, 82.
- 2d Term. { Psychology Applied, 96.  
History of Education, 20. | Lab. Prac., 99, or Biol. Tech., 76.  
Teaching, 98.  
Teaching, 99.

## LITERARY COURSE.

## FIRST YEAR.

1st Term. { Drawing, 93.  
Rhetoric, 5.  
Algebra II, 50.  
Arithmetic, Tchr. Rev., 46. | Grammar, Tchr. Rev. 4.

2d Term. { English History, 14.  
Botany, 72 and 73.  
Algebra III, 51.  
Elective. | Rdg. & Orth., Tchr. Rev., 3.

## SECOND YEAR.

1st Term. { English Literature, 6.  
General History, 15.  
Geog., Tchr. Rev., 78. | Penmanship, 92.  
Elective.

2d Term. { Advanced English Literature, 7. | Political Economy, 2.  
Plane Geometry, 52.  
Sci. of Govt., Tchr. Rev., 1. | Zoölogy, 75.  
Elective.

## THIRD YEAR.

1st Term. { U. S. Political History, 13.  
Psychology, 95.  
Physics I, 83.  
Elective.

2d Term. { American Literature, 8.  
Psychology Applied, 96.  
Physics II, 84.  
Rdg. & Gram., Prof. Tr., 12, 11. | Arith. & Geog., Prof. Tr., 58, 82.

## FOURTH YEAR.

1st Term. { Old and Middle English, 9.  
English Constitutional History, 17.  
Teaching, 98.  
Teaching, 99.

2d Term. { Study of Masterpieces, 10.  
Institutes of History, 18.  
History, Prof. Tr., 21. | Physiology, Tchr. Rev., 77.  
History of Education, 20. | Lab. Prac., 90, or Biol. Tech., 76.

## SCIENTIFIC COURSE.

## FIRST YEAR.

- 1st Term. { Drawing, 93.  
Rhetoric, 5.  
Algebra II, 50.  
Sci. of Govt., Tchr. Rev., 1. | Rdg. & Orth., Tchr. Rev., 3.
- 2d Term. { Advanced Drawing, 94.  
Botany, 72 and 73.  
Algebra III, 51.  
Penmanship, 92. | Geography, Tchr. Rev., 81.

## SECOND YEAR.

- 1st Term. { Zoölogy, 74.  
Plane Geometry, 52.  
English Literature, 6.  
General History, 15.
- 2d Term. { Physics I, 83.  
Solid Geometry, 53.  
Psychology, 95.  
Arithmetic, Tchr. Rev., 49. | Grammar, Tchr. Rev., 4.

## THIRD YEAR.

- 1st Term. { Physics II, 84.  
Chemistry, 86.  
U. S. Political History, 13.  
Psychology Applied, 96.
- 2d Term. { Trigonometry, 55. | Laboratory Practice, 90, or Biol. Tech., 76.  
Higher Algebra, 54, or *Elective*.  
Rdg. & Gram., Prof. Tr., 12, 11. | Arith. & Geog., Prof. Tr., 58, 82.  
Advanced Chemistry, 87.

## FOURTH YEAR.

- 1st Term. { Lithological and Dynamical Geology, 78, 79.  
Calculus, 57.  
Teaching, 98.  
Teaching, 99.
- 2d Term. { Astronomy, 88.  
Advanced Physics, 85.  
History of Education, 20. | Physiology, Tchr. Rev., 77.  
Science, Prof. Tr., 91. | Physical Tech., 89, or Historical Geol., 80.

## LITERARY SCIENTIFIC COURSE.

## FIRST YEAR.

1st Term. { Drawing, 93.  
Rhetoric, 5.  
Algebra II, 50.  
Elective.

2d Term. { English History, 14.  
Botany, 72 and 73.  
Algebra III, 51.  
Rdg. & Orth., Tchr. Rev., 3. | Sci. of Govt., Tchr. Rev., 1.

## SECOND YEAR.

1st Term. { English Literature, 6.  
Zoölogy, 74.  
General History, 15.  
Arith., Tchr. Rev., 49. | Gram., Tchr. Rev., 4.

2d Term. { Advanced English Literature, 7. | Political Economy, 2.  
Plane Geometry, 52.  
Geog., Tchr. Rev., 81. | Penmanship, 92.  
Elective.

## THIRD YEAR.

1st Term. { U. S. Political History, 13.  
Psychology, 95.  
Physics I, 83.  
Solid Geometry, 53.

2d Term. { American Literature, 8.  
Psychology Applied, 96.  
Physics II, 84.  
Rdg. & Gram., Prof. Tr., 12, 11. | Arith. & Geog., Prof. Tr., 58, 82.

## FOURTH YEAR.

1st Term. { Elective.  
Chemistry, 86.  
Teaching, 98.  
Teaching, 99.

2d Term. { Advanced Chemistry, 87.  
History of Education, 20. | Lab. Prac., 90, or Biol. Tech., 76.  
Hist. or Sci., Prof. Tr., 21 or 91. | Physiology, Tchr. Rev., 77.  
History, 17 or 18.

## ANCIENT CLASSICAL COURSE.

## FIRST YEAR.

- 1st Term. { Latin I, 22. (9th Grade.)  
 Drawing, 93.  
 Algebra II, 50.  
 Sci. of Govt., Tchr. Rev., 1. | Rdg. & Orth., Tchr. Rev., 3.
- 2d Term. { Latin II, 23. (9th Grade.)  
 Grecian and Roman History, 16.  
 Algebra III, 51.  
 Botany, 72, 73.

## SECOND YEAR.

- 1st Term. { Latin III, 24.  
 Greek I, 30.  
 Rhetoric, 5.  
 Geog., Tchr. Rev., 81. | Penmanship, 92.
- 2d Term. { Latin IV, 25.  
 Greek II, 31.  
 Plane Geometry, 52.  
 Arithmetic, Tchr. Rev., 49. | Grammar, Tchr. Rev., 4.

## THIRD YEAR.

- 1st Term. { Latin V, 26.  
 Greek III, 32.  
 Psychology, 95.  
 Solid Geometry, 53.
- 2d Term. { Latin VI, 27.  
 Greek IV, 33.  
 Psychology Applied, 96.  
 Physics I, 83.

## FOURTH YEAR.

- 1st Term. { Latin VII, 28.  
 U. S. Political History, 13.  
 History of Education, 20. | Classical Lit. & Methods, 34.  
 Rdg. & Gram., Prof. Tr., 12, 11. | Arith. & Geog., Prof. Tr., 58, 82.
- 2d Term. { Latin VIII, 29.  
 Physiology, Tchr. Rev., 77. | Lab. Prac., 90, or Biol. Tech., 76.  
 Teaching, 98.  
 Teaching, 99.

## MODERN CLASSICAL COURSE.

## FIRST YEAR.

- 1st Term. { German I, 40. (9th Grade.)  
Algebra II, 50.  
Drawing, 93.  
Rdg. & Orth., Tchr. Rev., 3. | Sci. of Govt., Tchr. Rev., 1.
- 2d Term. { German II, 41. (9th Grade.)  
Algebra III, 51.  
Botany, 72, 73.  
Geography, Tchr. Rev., 81. | Penmanship, 92.

## SECOND YEAR.

- 1st Term. { German III, 42.  
French I, 35.  
Rhetoric, 5.  
Continental History, 19.
- 2d Term. { German IV, 43.  
French II, 36.  
Psychology, 95.  
Arithmetic, Tchr. Rev., 49. | Grammar, Tchr. Rev., 4.

## THIRD YEAR.

- 1st Term. { German V, 44.  
French III, 37.  
Plane Geometry, 52.  
U. S. Political History, 13.
- 2d Term. { German VI, 45.  
French IV, 38.  
Solid Geometry, 53.  
Physics I, 83.

## FOURTH YEAR.

- 1st Term. { French V, 39.  
History of Education, 20. | Lab. Prac., 90, or Biol. Tech., 76.  
Modern Lit. & Meth., 47. | Physiology, Tchr. Rev., 77.    
Rdg. & Gram., Prof. Tr., 12, 11. | Arith. & Geog., Prof. Tr., 58, 82.
- 2d Term. { German VII, 46.  
Psychology Applied, 96.  
Teaching, 98.  
Teaching, 99.



## ENGLISH GERMAN COURSE.

## FIRST YEAR.

- 1st Term. { German I, 40. (9th Grade.)  
Algebra II, 50.  
Drawing, 93.  
Sci. of Govt., Tchr. Rev., 1. | Rdg. & Orth., Tchr. Rev., 3.
- 2d Term. { German II, 41. (9th Grade.)  
Algebra III, 51.  
Botany, 72, 73.  
Rhetoric, 5.

## SECOND YEAR.

- 1st Term. { German III, 42.  
Plane Geometry, 52.  
Continental History, 19.  
English Literature, 6.
- 2d Term. { German IV, 43.  
Solid Geometry, 53.  
Physics I, 83.  
Arithmetic, Tchr. Rev., 49. | Grammar, Tchr. Rev., 4.

## THIRD YEAR.

- 1st Term. { German V, 44.  
Psychology, 95.  
Geography, Tchr. Rev., 81. | Penmanship, 92.  
Physics II, 84.
- 2d Term. { German VI, 45.  
American Literature, 8.  
Psychology Applied, 96.  
Rdg. & Gram., Prof. Tr., 12, 11. | Arith. & Geog., Prof. Tr., 58, 82.

## FOURTH YEAR.

- 1st Term. { Chemistry, 86, or Zoölogy, 74.  
Modern Lit. & Meth., 47. | Physiology, Tchr. Rev., 77.  
Teaching, 98.  
Teaching, 99.
- 2d Term. { German VII, 46.  
History of Education, 20. | Lab. Prac., 90, or Biol. Tech., 76.  
*Elective.*  
U. S. Political History, 13.

## ENGLISH FRENCH COURSE.

## FIRST YEAR.

- 1st Term. { Vocal Music, 59.  
 Drawing, 93.  
 Algebra II, 50.  
 Rdg. & Orth., Tchr. Rev., 3. | Sci. of Govt., Tchr. Rev., 1.
- 2d Term. { Botany, 72 and 73.  
 Rhetoric, 5.  
 Algebra III, 51.  
 Geog., Tchr. Rev., 81. | Penmanship, 92.

## SECOND YEAR.

- 1st Term. { French I, 35.  
 Continental History, 19.  
 English Literature, 6.  
 Elective.
- 2d Term. { French II, 36.  
 Plane Geometry, 52.  
 Arith., Tchr. Rev., 49. | Gram., Tchr. Rev., 4.  
 Elective.

## THIRD YEAR.

- 1st Term. { French III, 37.  
 Solid Geometry, 53.  
 Physics I, 83.  
 Psychology, 95.
- 2d Term. { French IV, 38.  
 American Literature, 8.  
 Physics II, 84.  
 Rdg. & Gram., Prof. Tr., 12, 11. | Arith. & Geog., Prof. Tr., 58, 82.

## FOURTH YEAR.

- 1st Term. { French V, 39.  
 Modern Lit. and Meth., 47. | Physiology, Tchr. Rev., 77.  
 Teaching, 98.  
 Teaching, 99.
- 2d Term. { U. S. Political History, 13.  
 History of Education, 20. | Lab. Prac., 99, or Biol. Tech., 76.  
 Elective.  
 Psychology Applied, 96.

## LATIN GERMAN COURSE.

## FIRST YEAR.

- 1st Term. { Latin or German I (9th Grade), 22 or 40.  
Algebra II, 50.  
Drawing, 93, or Vocal Music, 59.  
Sci. of Govt., Tchr. Rev., 1. | Rdg. & Orth., Tchr. Rev., 3.
- 2d Term. { Latin or German II (9th Grade), 23 or 41.  
Algebra III, 51.  
Grecian and Roman History, 16.  
Rhetoric, 5.

## SECOND YEAR.

- 1st Term. { Latin III, 24.  
German III, 42.  
Continental History, 19.  
Arithmetic, Tchr. Rev., 49. | Grammar, Tchr. Rev. 4.
- 2d Term. { Latin IV, 25.  
German IV, 43.  
U. S. Political History, 13.  
Geog., Tchr. Rev., 81. | Penmanship, 92.

## THIRD YEAR

- 1st Term. { Latin V, 26.  
German V, 44.  
Psychology, 95.  
Plane Geometry, 52.
- 2d Term. { Latin VI, 27.  
German VI, 45.  
Solid Geometry, 53.  
Psychology Applied, 96.

## FOURTH YEAR.

- 1st Term. { Latin VII, 28.  
History of Education, 20. | Physiology, Tchr. Rev., 77.  
Modern Lit. and Meth., 47. | Classical Lit. and Meth., 34.  
Rdg. & Gram., Prof. Tr., 12, 11. | Arith. & Geog., Prof. Tr., 58, 82
- 2d Term. { Latin VIII, 29.  
German VII, 46.  
Teaching, 98.  
Teaching, 99.

## ENGLISH LATIN COURSE.

## FIRST YEAR.

- 1st Term. { Latin I, 22. (9th Grade.)  
Algebra II, 50.  
Drawing, 93.  
Sci. of Govt., Tchr. Rev., 1. | Rdg. & Orth., Tchr. Rev., 3.
- 2d Term. { Latin II, 23. (9th Grade.)  
Grecian and Roman History, 16.  
Algebra III, 51.  
Botany, 72, 73.

## SECOND YEAR.

- 1st Term. { Latin III, 24.  
Rhetoric, 5.  
Plane Geometry, 52.  
Geog., Tchr. Rev., 81. | Penmanship, 92.
- 2d Term. { Latin IV, 25.  
Psychology, 95.  
Solid Geometry, 53.  
Arithmetic, Tchr. Rev., 49. | Grammar, Tchr. Rev., 4.

## THIRD YEAR.

- 1st Term. { Latin V, 26.  
Psychology Applied, 96.  
Physics I, 83.  
English Literature, 6.
- 2d Term. { Latin VI, 27.  
American Literature, 8.  
Physics II, 84.  
Rdg. & Gram., Prof. Tr., 12, 11. | Arith. & Geog., Prof. Tr., 58, 82.

## FOURTH YEAR.

- 1st Term. { Latin VII, 28.  
Physiology, Tchr. Rev., 77. | Classical Lit. and Meth., 34.  
Teaching, 98.  
Teaching, 99.
- 2d Term. { Latin VIII, 29.  
History of Education, 20. | Lab. Prac., 90, or Biol. Tech., 76.  
*Elective.*  
U. S. Political History, 13.

## SHORTER GERMAN COURSE.

## FIRST YEAR.

- 1st Term. { German I, 40.  
Algebra II, 50.  
Drawing, 93.  
Sci. of Govt., Tchr., Rev., 1. | Rdg. and Orth., Tchr. Rev., 3.
- 2d Term. { German II, 41.  
Algebra III, 51.  
Botany, 72 and 73.  
Vocal Music, 59, or English History, 14.

## SECOND YEAR.

- 1st Term. { German III, 42.  
Plane Geometry, 52.  
Continental History, 19.  
Rhetoric, 5.
- 2d Term. { German IV, 43.  
Solid Geometry, 53.  
Physics I, 83.  
Arithmetic, Tchr. Rev., 49. | Grammar, Tchr. Rev., 4.

## THIRD YEAR.

- 1st Term. { Geog., Tchr. Rev., 81. | Penmanship, 92.  
Psychology, 95.  
English Literature, 6.  
Physics II, 84.
- 2d Term. { *Elective.*  
American Literature, 8.  
Psychology Applied, 96.  
Rdg. & Gram., Prof. Tr., 12, 11. | Arith. & Geog., Prof. Tr., 58, 82.

## FOURTH YEAR.

- 1st Term. { Chemistry, 84, or Zoölogy, 72 and 73.  
Modern Lit. and Methods, 47. | Physiology, Tchr. Rev., 77.  
Teaching, 98.  
Teaching, 99.
- 2d Term. { Astronomy, 88, or Chemistry, 87, or Study of Masterpieces, 10.  
History of Education, 20. | Lab. Prac., 90, or Biol. Tech., 76.  
*Elective.*  
U. S. Political History, 13.

## MUSIC COURSE.

## FIRST YEAR.

- 1st Term. { Vocal Music, 59.  
Voice Culture I, 61.  
Sci. of Govt., Tchr. Rev., 1. | Rdg. and Orth., Tchr. Rev., 3.  
Modern Language.
- 2d Term. { Advanced Vocal Music, 60.  
Voice Culture II, 62.  
Rhetoric, 5.  
Modern Language.

## SECOND YEAR.

- 1st Term. { Counterpoint, 71.  
Voice Culture III, 63, or Instrumental Music.  
General History, 15.  
Modern Language.
- 2d Term. { Harmony I, 67.  
Voice Culture IV, 64, or Instrumental Music.  
Psychology, 95.  
Modern Language.

## THIRD YEAR.

- 1st Term. { Harmony II, 68.  
English Literature, 6.  
U. S. Political History, 13.  
Arithmetic, Tchr. Rev., 49. | Grammar, Tchr. Rev., 4.
- 2d Term. { Voice Culture V, 65, or Instrumental Music.  
Geography, Tchr. Rev., 81. | Penmanship, 92.  
Physics I, 83.  
Psychology Applied, 96.

## FOURTH YEAR.

- 1st Term { Musical Composition, 69.  
Physics II, 84.  
Rdg. & Gram., Prof. Tr., 12, 11. | Arith. & Geog., Prof. Tr., 58, 82.  
Physiology, Tchr. Rev., 77. | *Elective.*
- 2d Term. { History and Literature of Music, 70.  
Voice Culture VI, 66, or Instrumental Music.  
Teaching, 98.  
Teaching, 99.

**NOTES ON THE THREE AND THE FOUR YEARS' COURSES  
OF STUDY.**

1. In the choice of Elective Studies, regard must be had to the schedule of daily exercises. That is, the choice of such studies may be limited, in certain instances, by the possibilities of the schedule. It will sometimes happen that a desired elective study cannot be taken on account of conflict with some required study.

2. The choice of elective studies must also be made with due regard to suitable and necessary sequence. No study may be selected until the student is prepared for it by adequate knowledge of whatever necessarily precedes it. A record of the Teachers' Reviews of Arithmetic, Grammar, Geography, and Reading and Orthography, and at least ten weeks in Psychology should precede Professional Training in common branches.

3. When the word *Elective* occurs in any course of study, *Vocal Music* or *Advanced Vocal Music* will be taken as the equivalent of any other study.

**PROFESSIONAL COURSE FOR GRADUATES OF COLLEGES.**

Persons holding an academic degree from the University of Michigan or from an incorporated college, may receive a life license to teach and the degree of Bachelor of Pedagogics, upon completion of the following course, provided this academic work, done in college, be equivalent to the requirements made of Normal students for the degree of B. Pd.

1	Mental Science Applied to Teaching.....	20 weeks.
2	Professional Training in Common Branches.....	20 "
3	History of Education.....	10 "
4	Practice Teaching and Supervision.....	20 "

The applicant must furnish satisfactory evidence by examination or otherwise that he has thorough knowledge of common branches as follows: Spelling and Orthoëpy, Grammar, Geography, Arithmetic, History of the United States, Civil Government, and Physiology and Hygiene so far as they have reference to the effects of narcotics and stimulants upon the human system. A residence of one-half year is also required.

*THE DEGREE OF BACHELOR OF PEDAGOGICS.*

Upon recommendation by the Faculty, this degree may be conferred, under the conditions set forth on p. 21, 2 *a, b and c.*

*THE DEGREE OF MASTER OF PEDAGOGICS.*

1. Any person holding the degree of Bachelor of Pedagogics of the Michigan State Normal School, may upon application, receive the degree of Master of Pedagogics upon the following conditions:

(*a.*) He shall furnish evidence satisfactory to the Faculty that he has been engaged in teaching or in school supervision continuously and with pronounced success for five years since receiving the Bachelor's degree.

(*b.*) He shall prepare and present a thesis acceptable to the said Faculty, upon some subject connected with the History, Science, or Art, of Education, the Faculty reserving the right to assign the subject of such thesis.



## COURSES FOR HIGH SCHOOL GRADUATES.

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These courses, as given in the following pages, have been formed to meet the wants of such High School graduates as desire to prepare for teaching, and they are open to all who have completed a course in a twelve-grade High School approved by the State Board of Education upon recommendation of the Faculty of the Normal School. (For Conditions of approval, see below.)

The courses of study of such approved schools should embrace Arithmetic, Algebra, Plane and Solid Geometry; English Grammar, Rhetoric, English Literature; Political, Mathematical, and Physical Geography; Botany, Physiology, Elements of Zoölogy; Physics, Chemistry; Civil Government, United States History, General History; Grecian and Roman History; English History; Latin, four years; Greek, two years; German, two years; French, one year. Schools whose courses of study do not embrace all these groups of subjects, as indicated above, may be approved for one or more of their courses and their graduates will be admitted to such work in the Normal School as their preparation will warrant.

The High Schools of the state are cordially invited to enter into this relation with the State Normal School, and to gain a place on the list of approved schools, by making a request to this effect, either through the Principal, or Superintendent, or any officer of the School Board, accompanied by a School Catalogue or other evidence of the character of the work done.

When the status of any school shall have been determined either by means of the material thus furnished, or by visitation or otherwise, such school will be informed of the decision made with reference to it, and, if favorable, its graduates will be admitted without examination to such of the courses shown below as their High School work has prepared them to enter, *provided they present their diplomas within two and one half years from the time of their graduation.*

Schools which shall be approved shall be entitled to send their graduates on diploma for a period of three years after date of approval, provided that in this period no important changes affecting the courses of study and the efficiency of the instruction be made. In case of such changes, the Faculty reserve the right to make another inspection. It is expected that the authorities of each approved school shall annually send to the Principal a catalogue of the school, or, if no catalogue is published, that they shall send a statement, giving the names of the teachers, the number of pupils, and a description of the courses of study.

The Courses for High School graduates are as follows :

### ONE YEAR COURSES.

LEADING TO A FIVE YEARS' CERTIFICATE.

NOTE.—The numbers placed after the names of studies in this and following Courses refer to the corresponding numbers in Lists A and B.

#### 1.

- |                  |   |                                  |  |                                     |
|------------------|---|----------------------------------|--|-------------------------------------|
| <i>1st Term.</i> | { | Psychology, 95.                  |  | Geog., Tchr. Rev., 81.              |
|                  |   | Rdg. and Orth., Tchr. Rev., 3.   |  | Grammar, Tchr. Rev., 4.             |
|                  |   | Arithmetic, Tchr. Rev., 49.      |  | Arith. & Geog., Prof. Tr., 58, 82.  |
|                  |   | Rdg. & Gram., Prof. Tr., 12, 11. |  |                                     |
| <i>2d Term.</i>  | { | Psychology Applied, 96.          |  |                                     |
|                  |   | Teaching, 98.                    |  |                                     |
|                  |   | Teaching, 99.                    |  |                                     |
|                  |   | History of Education, 20.        |  | Lab. Prac., 90, or Biol. Tech., 76. |

#### 2. KINDERGARTEN COURSE.

- |                  |   |   |  |   |
|------------------|---|---|--|---|
| <i>1st Term.</i> | { | Psychology, 95.                           |  | Grammar, Tchr. Rev., 4.                   |
|                  |   | Arithmetic, Tchr. Rev., 49.               |  | Kindergarten Instruction and Methods, 97. |
|                  |   | Kindergarten Instruction and Methods, 97. |  | Rdg. & Geog., Prof. Tr., 59, 82.          |
|                  |   | Rdg. & Gram., Prof. Tr., 12, 11.          |  | Vocal Music, 10 weeks.                    |
| <i>2d Term.</i>  | { | Psychology Applied, 96.                   |  |   |
|                  |   | Teaching, 98.                             |  |   |
|                  |   | Teaching, 99.                             |  |   |
|                  |   | History of Education, 20.                 |  | Lab. Prac., 90, or Biol. Tech., 76.       |

NOTE.—It is assumed that students selecting this course have a knowledge of Drawing. In case they do not, provision will be made for instruction in this subject.

## TWO YEARS' COURSES.

LEADING TO A DIPLOMA AND A LIFE CERTIFICATE.

## 1. KINDERGARTEN COURSE.

## FIRST YEAR.

- 1st Term. { Drawing, 93.  
Psychology, 95.  
Tchr. Rev. of Arithmetic, 49. | Tchr. Rev. of Grammar, 4.  
Tchr. Rev. of Rdg. and Orth., 3. | Tchr. Rev. of Geog., 81.
- 2d Term. { Botany, 72, 73.  
American Literature, 8.  
Tchr. Rev. Physiology & Hyg., 77. | Penmanship, 92.  
Rdg. & Gram., Prof. Tr., 12, 11. | Arith. & Geog., Prof. Tr., 58, 82.

## SECOND YEAR.

- 1st Term. { Zoölogy, 74, 75.  
U. S. Political History, 13.  
Vocal Music, 59.  
Kindergarten Instruction, 97.
- 2d Term. { Psychology Applied, 96.  
Teaching, 98.  
Teaching, 99.  
History of Education, 20. | Lab. Prac., 90, or Biol. Tech., 76.

*Note.*—Students beginning this Course at the opening of the Spring Term (February), will take Zoölogy and U. S. Political History in the second term and Botany and American Literature in the third term.

## 2. LITERARY COURSE.

## FIRST YEAR.

- 1st Term. { Drawing, 93.  
Arithmetic, Tchr. Rev., 49. | Grammar, Tchr. Rev., 4.  
U. S. Political History, 13.  
Psychology, 95.
- 2d Term. { Rdg. & Orth., Tchr. Rev., 3. | Geog., Tchr. Rev., 81.  
Psychology Applied, 96.  
Rdg. & Gram., Prof. Tr., 12, 11. | Arith. & Geog., Prof. Tr., 58, 82  
Advanced English Literature, 7. | Sci. of Govt., Tchr. Rev., 1.

## SECOND YEAR.

- 1st Term. { Old and Middle English, 9.  
History, Prof. Tr., 21. | Physiology, Tchr. Rev., 77.  
Teaching, 98.  
Teaching, 99.
- 2d Term. { Study of Masterpieces, 10.  
English Constitutional History, 17.  
History of Education, 20. | Lab. Prac., 90, or Biol. Tech., 76.  
History, 17 or 18.

## 3. SCIENTIFIC COURSE.

## FIRST YEAR.

- 1st Term. { Psychology, 95.  
Drawing, 93.  
Rdg. & Orth., Tchr. Rev., 3. | Geog., Tchr. Rev., 78.  
Arithmetic, Tchr. Rev., 49. | Grammar, Tchr. Rev., 4.
- 2d Term. { Trigonometry, 55. | Lab. Prac., 90, or Biol. Tech., 76.  
Rdg. & Gram., Prof. Tr., 12, 11. | Arith. & Geog., Prof. Tr., 58, 82.  
U. S. Political History, 13.  
Botany, 73. | Sci. of Govt., Tchr. Rev., 1.

## SECOND YEAR.

- 1st Term. { Higher Algebra or Calculus, 54 or 57.  
Science, Prof. Tr., 91. | Physiology, Tchr. Rev., 77.  
Teaching, 98.  
Teaching, 99.
- 2d Term. { Advanced Chemistry, 87.  
Advanced Physics, 84.  
History of Education, 20. | Physical Tech., 89, or Hist. Geol., 80.  
Psychology Applied, 96.

## 4. ANCIENT CLASSICAL COURSE.

## FIRST YEAR.

1st Term. { Latin IX, 107, or Greek V, 111.  
 Drawing, 93.  
 Rdg. and Orth., Tchr. Rev., 3. | Geog., Tchr. Rev., 81.  
 Psychology, 95.

2d Term. { Latin X, 108, or Greek VI, 112.  
 Arithmetic, Tchr. Rev., 49. | Grammar, Tchr. Rev., 4.  
 U. S. Political History, 13.  
 Sci. of Govt., Tchr. Rev., 1. | *Elective.*

## SECOND YEAR.

1st Term. { Latin XI, 109, or Greek VII, 113, or *Elective.*  
 History of Education, 20. | Lab. Prac., 90, or Biol. Tech., 76.  
 Rdg. & Gram., Prof. Tr., 12, 11. | Arith. & Geog., Prof. Tr., 58, 82.  
 Physiology, Tchr. Rev., 77. | Classical Lit. and Meth., 34.

2d Term. { Latin XII, 110, or Greek VIII, 114, or *Elective.*  
 Psychology Applied, 96.  
 Teaching, 98.  
 Teaching, 99.

## 5. MODERN CLASSICAL COURSE.

## FIRST YEAR.

1st Term. { German V, 44, or French III, 37.  
 U. S. Political History, 13.  
 Psychology, 95.  
*Elective.* | Geog., Tchr. Rev., 81.

2d Term. { German VI, 45, or French IV, 38.  
 Arithmetic, Tchr. Rev., 49. | Grammar, Tchr. Rev., 4.  
 Drawing, 93.  
 Rdg. & Orth., Tchr. Rev., 3. | Sci. of Govt., Tchr. Rev., 1.

## SECOND YEAR.

1st Term. { French V, 36, or *Elective.*  
 History of Education, 20. | Lab. Prac., 90, or Biol. Tech., 76.  
 Rdg. & Gram., Prof. Tr., 12, 11. | Arith. & Geog., Prof. Tr., 58, 82.  
 Modern Lit. and Meth., 47. | Physiology, Tchr. Rev., 77.

2d Term. { German VII, 46.  
 Psychology Applied, 96.  
 Teaching, 98.  
 Teaching, 99.

## 6. ENGLISH GERMAN COURSE.

## FIRST YEAR.

- 1st Term. { German V, 44.  
Psychology, 95.  
Rdg. & Orth., Tchr. Rev., 3. | Geog., Tchr. Rev., 81.  
Arithmetic, Tchr. Rev., 49. | Grammar, Tchr. Rev., 4.
- 2d Term. { German VI, 45.  
Rdg. & Gram., Prof. Tr., 12, 11. | Arith. & Geog., Prof. Tr., 58, 82.  
Drawing, 93.  
Psychology Applied, 96.

## SECOND YEAR.

- 1st Term. { Chemistry, 86, or Zoölogy, 74.  
Modern Lit. and Meth., 47. | Physiology, Tchr. Rev., 77.  
Teaching, 98.  
Teaching, 99.
- 2d Term. { German VII, 46.  
Sci. of Govt., Tchr. Rev., 1. | *Elective.*  
U. S. Political History, 13.  
History of Education, 20. | Lab. Prac., 90, or Biol. Tech., 76.

## 7. ENGLISH FRENCH COURSE.

## FIRST YEAR.

- 1st Term. { French III, 37.  
Psychology, 95.  
Rdg. and Orth., Tchr. Rev., 3. | Geography, Tchr. Rev., 81.  
Arithmetic, Tchr. Rev., 49. | Grammar, Tchr. Rev., 4.
- 2d Term. { French IV, 38.  
Rdg. & Gram., Prof. Tr., 12, 11. | Arith. & Geog., Prof. Tr., 58, 82.  
Drawing, 93.  
Psychology Applied, 96.

## SECOND YEAR.

- 1st Term. { French V, 39.  
Modern Lit. & Meth., 47. | Physiology, Tchr. Rev., 77.  
Teaching, 98.  
Teaching, 99.
- 2d Term. { American Literature, 8.  
Sci. of Govt., Tchr. Rev., 1. | *Elective.*  
U. S. Political History, 13.  
History of Education, 20. | Lab. Prac., 90, or Biol. Tech., 76.

## 8. LATIN GERMAN COURSE.

## FIRST YEAR.

1st Term. { German V, 44.  
U. S. Political History, 13.  
Rdg. and Orth., Tchr. Rev., 3. | Geog., Tchr. Rev., 81.  
Psychology, 95.

2d Term. { German VI, 45.  
Drawing, 93.  
Arithmetic, Tchr. Rev., 49. | Grammar, Tchr. Rev., 4.  
History of Education, 20. | Physiology, Tchr. Rev., 77.

## SECOND YEAR.

1st Term. { Latin IX, 107.  
*Elective.* | Sci. of Govt., Tchr. Rev., 1.  
Rdg. & Gram., Prof. Tr., 12, 11. | Arith. & Geog., Prof. Tr., 58, 82.  
Modern Lit. and Methods, 47. | Classical Lit. and Methods, 34.

2d Term. { German VII, 46.  
Psychology Applied, 96.  
Teaching, 98.  
Teaching, 99.

## 9. LITERARY SCIENTIFIC COURSE.

## FIRST YEAR.

1st Term. { Drawing, 93.  
Arithmetic, Tchr. Rev., 49. | Grammar, Tchr. Rev., 4.  
U. S. Political History, 13.  
Psychology, 95.

2d Term. { Rdg. and Orth., Tchr. Rev., 3. | Geog., Tchr. Rev., 81.  
Psychology Applied, 96.  
Rdg. & Gram., Prof. Tr., 12, 11. | Arith. & Geog., Prof. Tr., 58, 82.  
Adv. English Literature, 7. | Sci. of Govt., Tchr. Rev., 1.

## SECOND YEAR.

1st Term. { Chemistry, 86.  
Hist. or Sci., Prof. Tr., 21 or 91. | Physiology, Tchr. Rev., 77.  
Teaching, 98.  
Teaching, 99.

2d Term. { Chemistry Advanced, 87.  
Americsn Literature, 8.  
History of Education, 20. | Lab. Prac., 90, or Biol. Tech., 76.  
History, 17 or 18.

## EXPLANATION OF COURSES.

### GENERAL INSTRUCTION IN THE SCIENCE AND ART OF TEACHING.

This course precedes the special courses in methods of teaching the various branches, and is designed to prepare the student to receive such special instruction with advantage. At least ten weeks of instruction in Psychology must precede any such special instruction in methods of teaching.

1. The course includes the study, for one full term of twenty weeks, of the *Elements of Psychology*, embracing the elementary principles of both mental and moral science. The truth is recognized that the art of teaching must be based upon the science of education, and that the science of education has its ultimate basis in the science of mind. Methods of teaching can be only empirical to those who possess no knowledge of the powers of the soul or of the various modes of mental activity.

(2.) After this preliminary study of the mind, instruction is given for twenty weeks in the *General Application of Psychology* to the theory of education and to the art of teaching, including the subjects of school organization, school government, and related topics.

The discussions under this head include a consideration of the nature and purposes of education; of the agencies and forces employed in the work of educating the child; the province and work of schools and teachers; and the extent and limitations of their responsibility.

The order in which both the physical and mental powers are developed; the conditions of harmonious and healthy development, and the means by which such development is best secured, are also considered.

From the laws of development and from the fundamental laws of the mind's activity, which together constitute the most essential



principles of the science of education or pedagogics, both general and special laws of teaching and pedagogy are deduced. An effort is made, by familiar illustrations and examples, to show the practical value of these laws in the work of the school and in the class room. Special applications of these laws to particular branches of instruction are made by the heads of the various departments, and also by those in charge of the Training School.

(3.) Instruction is given in respect to the *School System and School Laws of Michigan*; and in this connection the duties, obligations, and rights of teachers are considered. Attention is also given to the powers and duties of School Boards, of Superintendents and Principals of graded schools, and the subordinate teachers in such schools.

The character of ungraded schools; the peculiar nature of graded schools; the processes of grading and classifying; the principles which should guide in the promotion of pupils; modes of examination with their benefits and evils, and other related topics, are fully discussed.

(4.) *The History of Education* occupies half of one term. Attention is given to the history of schools, of school systems, and of education generally. Instruction is given partly by lectures with references for abundant reading, and partly by the use of a text-book.

The progressive development of methods of teaching is illustrated by reference to the lives, labors, and principles of the great leaders in educational reform and advancement. In this way the relation of the present to the past is clearly shown, and the direction of real progress is discovered.

(5.) The Advanced courses leading to the degree of Bachelor of Pedagogics include more extended study and instruction in Psychology, embracing the principles of moral as well as mental science; and an examination of portions of the history of philosophy, especially with reference to its connection with systems of education, and more extended study of educational history, of systems of education, of general methods of instruction, and of educational literature. The seminary methods will be adopted so far as circumstances will permit.

## TEXT-BOOKS.

Psychology, Elementary,	-	-	-	-	-	-	Putnam.
Psychology, Advanced,	-	-	-	-	-	-	Sully or Dewey.

Psychology Applied,	- - - - -	Putnam.
History of Education,	- - - - -	Painter or Compayré.

## SPECIAL REFERENCE BOOKS.

Fitch's Lectures on Teaching,		
School Supervision,	- - - - -	Pickard, Payne.
Teaching in Three Continents,	- - - - -	Grasby.
Boone's Education in the United States.		
Quick's Educational Reformers.		
Laurie's Life of Comenius.		
Life of Pestalozzi,	- - - - -	De Guimps.

## KINDERGARTEN DEPARTMENT.

A *Kindergarten Course* is established to meet the demand for kindergartners and primary teachers who are expert in kindergarten methods. It affords opportunity to those desirous of acquainting themselves with the principles of the kindergarten to take a course of instruction in this subject.

The Course consists of:

(a.) Lectures on the kindergarten principles and system, and the philosophy of the gifts and occupations.

(b.) A series of exercises in the use of the gifts and occupations as employed in the kindergarten, and as adapted to the different grades of primary schools. This includes instruction in clay-modeling, coloring, parquetry-work, ring laying, perforating, paper-folding, paper-cutting and pasting; designing with rings, sticks, tablets, etc.; mat-weaving, block-building, cardboard modeling, and all the usual practical work of a kindergarten course.

(c.) Practice teaching in the kindergarten and primary grades.

Candidates for this course must be proficient in English, and have the same knowledge of Psychology and Methods of Teaching as is required of students in other courses before entering upon practice teaching.

## SPECIAL REFERENCE BOOKS.

Kindergarten and Child Culture Papers,	- - - - -	Barnard.
Child and Child Nature,	- - - - -	Von Bülow.
Lectures to Kindergartners,	- - - - -	Peabody.
The Child,	- - - - -	Kreige.
Kindergarten Culture,	- - - - -	Hailman.
Prang's Use of Models.		
Color in the Schoolroom,	- - - - -	Milton Bradley.
Education of Man,	- - - - -	Froebel.

## MATHEMATICS.

The Academic work in mathematics includes the elementary subjects usually taken in high schools, together with Trigonometry, Analytical Geometry, Calculus, Higher Algebra and Surveying. The latter, more advanced subjects, are elective in most courses, and are introduced for the purpose of taking the student far enough beyond the probable limit of his future teaching to give him an adequate view and mastery of his work. They are treated with reference to their subsequent use in Astronomy and Advanced Physics, the work of the departments of Mathematics and Physical Sciences being arranged to this end. Surveying is elective in all courses, and consists largely of practical field work. A course in Bookkeeping is also elective.

Students are supposed to have completed Arithmetic and to be familiar with Algebra through simple equations with two variables before entering the School. For such as fall only slightly below these requirements, preparatory classes, taught by pupil teachers, under the immediate supervision of the head of the department, are arranged. The secondary work both in the preparatory grade and thereafter, is treated with that extra thoroughness necessary in the preparation of a teacher.

Professional work constantly enters in with the Academic, the aim being to make the course as a whole, and each lesson in particular, a model for the future teacher. Lectures are given in the historical development of each subject, and the best methods of presenting the various topics are set forth.

The Teacher's Review of Arithmetic, designed to be taken after the completion of the rest of Elementary Mathematics, is in charge of the head of the department. It consists of a rapid review of those chapters of applied arithmetic in which the teacher is most apt to need special instruction, both as to subject-matter and methods of presentation.

The class in Professional Training attends a series of lectures by the head of the department. These lectures consider the subject of teaching both historically and scientifically. The former view is designed to show what has been and is considered the proper sphere of arithmetic and methods of teaching the subject. The latter, to show the best methods, in the light of present criticism, of presenting

typical chapters in the various grades. Especial attention is directed to the bibliography of the subject, the Normal Library being quite complete in works of Reference.

## TEXT-BOOKS.

Arithmetic,	-	-	-	-	-	-	-	Wentworth & Hill, Milne.
Elementary Algebra,	-	-	-	-	-	-	-	Wentworth's Higher.
Higher Algebra,	-	-	-	-	-	-	-	Hall & Knight.
Geometry,	-	-	-	-	-	-	-	Bellows.
Trigonometry,	-	-	-	-	-	-	-	Bellows.
Analytical Geometry,	-	-	-	-	-	-	-	Hardy.
Calculus,	-	-	-	-	-	-	-	Taylor.
Surveying,	-	-	-	-	-	-	-	Bellows.
Bookkeeping,	-	-	-	-	-	-	-	Woolley.

## ENGLISH LANGUAGE AND LITERATURE.

## GRAMMAR.

In the Academic work in English Grammar, special attention is given to the analysis of sentences with a view to understanding the use and relations of words in sentence structure. In this respect Grammar is thought of, not as a set of rules to be committed to memory, but as a disciplinary study of high value.

## RHETORIC.

After a mastery of the ordinary text-book work, attention is given to applying the principles learned, to written exercises. No student is allowed to leave the subject without several weeks of drill in English composition. Essays, narrative, descriptive, argumentative, historical, and biographical, are prepared by each student and criticised by the teacher.

## LITERATURE.

The full course in Literature extends through four terms, as follows :

1. History of English Literature. This includes an acquaintance with authors in the following particulars : Times in which they lived ; leading events of their lives, especially such as influenced their writings ; names and character of their principal works.

2. Advanced English Literature. This consists of direct study of authors, with critical class reading; collecting opinions of reviewers and critics and comparing them; writing reviews and criticisms of masterpieces.

3. One term is devoted to American Literature. The work corresponds in plan to that under Advanced English.

4. In the Literary Course, the last term is devoted to Old and Middle English and a critical study of English Masterpieces.

5. In the courses leading to the degree of Bachelor of Pedagogy, Advanced Rhetoric is offered. Here an attempt is made to get beyond the stereotyped rules of the text-books, and to become acquainted with the principles and philosophy of style by a seminary course of reading in the library.

## TEXT-BOOKS.

Grammar,	-	-	-	-	-	-	Reed and Kellogg.
Rhetoric,	-	-	-	-	-	-	D. J. Hill.
English Literature,	-	-	-	-	-	-	Stopford Brooke.
American Literature,	-	-	-	-	-	-	Royse.
Orthoëpy,	-	-	-	-	-	-	Salisbury.

## HISTORY AND SCIENCE OF GOVERNMENT.

HISTORY.—This course includes the following subjects:

1. *United States History*, embracing one term in the study of the narrative, in the ninth grade, one term in the study of the political institutions, and one term in the study of the constitutional history offered as advanced work.

Students entering the study of Political History must be familiar with the narrative history of the United States and must have had at least one term's work in some other history.

2. *English History*.—Like the preceding, this forms a separate course complete in itself. It includes one term in the study of the narrative, and one term in the study of the English Constitution in its growth and workings.

3. *General History*.—This course embraces, *First*, the several sections of Grecian, Roman, Continental, and General History. The

work is almost exclusively outlines, and is determined by the studies in connection with which it is taken. *Second*, Institutes of General History, which is supplementary to the preceding, and aims to exhibit the unity of historical development by the study of those things which have been permanent in their influence upon civilization.

4. *Professional Work*.—A special course in methods of teaching history is given, including, somewhat in detail, both the matter and the method of its presentation as adapted to certain classes, with the preparation of written lessons with criticisms on the same. This course completes and follows all other courses in history.

SCIENCE OF GOVERNMENT.—This course embraces:

1. The township, its origin, development, and influence, with specific work on the Michigan township.

2. The development of the local town, into general colonial government, the main features of the government in each colony, and the establishment of the State of Michigan and details of its government.

3. The political relations of the colonies to England, the change of sovereignty, the new government under the forms of continental congress, the confederation, and the constitution. The working of the constitutional government in detail.

Students must be proficient in the narrative history of the United States before entering upon the study of Science of Government.

TEXT-BOOKS.

United States Colonial History,	-	-	-	-	-	-	-	-	Doyle.
United States, Federal Period,	-	-	-	-	-	-	-	-	Johnson.
Reviews,	-	-	-	-	-	-	-	-	King's Tabulation.
General History,	-	-	-	-	-	-	-	-	Labberton.
Civil Government,	-	-	-	-	-	-	-	-	Story.
Constitution of Michigan,	-	-	-	-	-	-	-	-	Cocker.
Ancient History,	-	-	-	-	-	-	-	-	Myers.
Modern History,	-	-	-	-	-	-	-	-	Myers.

THE PHYSICAL SCIENCES.

PHYSICS.—The work offered in this subject falls under the following heads:

1. *Elementary Physics*.—This subject, including Nos. 83 and 84

of List A, extends through an entire year, the first term being devoted to Mechanics, Heat, and Sound, and the second to Electricity and Light. The amount of work accomplished is essentially that given in an ordinary High School text-book, as Gage or Avery or Norton. Great stress is laid upon the demonstration by experiment of the laws and principles of physics, as is now common in all good schools, and, since the student is an intending teacher, it is felt to be important that he should not only experiment himself, see experiments performed, and learn how to analyze and study them, but that he should make a special study of apparatus and manipulation and have some practice in demonstration in presence of a class. Considerable attention is given to the purchase, testing, care, and effective use of apparatus, and also to the manipulation and use of simple or extemporized pieces.

2. *Advanced Physics*.—This is a half-year course upon the entire subject, and presupposes a knowledge of Elementary Physics and a course of mathematics through trigonometry, and an elementary knowledge of differential equations. The ground covered is essentially that of Daniel, Anthony and Brackett, or Deschenel.

3. *Physical Laboratory Practice*.—This is a course of individual practical work in the physical laboratory, and differs from the student's work in Elementary Physics, in three particulars: 1st, it is more advanced; 2d, it is mainly quantitative, whereas that is largely qualitative; 3d, it is based upon the individual, as that is upon the collective system.

4. *Physical Technics*.—A ten-weeks' practical course upon the construction of apparatus and the fitting up and stocking of a simple laboratory, either physical or chemical or both. This course and Advanced Physics are especially adapted to prepare students to give instruction in an ordinary High School by a laboratory method.

5. *Training in the Physical Sciences*.—A five weeks' course in methods of teaching the Physical Sciences. While professional in no higher sense than the preceding courses, it yet aims to set forth the scientific method in brief terms and to show how it may be applied in the ordinary work of the school room.

CHEMISTRY.—In this subject there are two courses :

1. An elementary course in Chemistry, with some attention to

the chemistry of the carbon compounds. Practice will be had by the members of the class in chemical manipulation, experimentation, and class instruction.

2. *Advanced Chemistry*.—This work will in the main take the form of individual practice in Chemical Analysis, for which the usual laboratory conveniences are supplied, but the attempt will be made to have it regarded in fact as a continuation of the science of Chemistry. The last ten weeks are devoted to quantitative analysis, both volumetric and gravimetric, including air and water analysis. ]

ASTRONOMY.—1. The general work in this subject consists of a somewhat complete study of Uranography, or the ancient Astronomy, considerable practice with the globes, and a brief presentation of the modern Astronomy, or the physical features of the heavenly bodies.

2. Following the above, a practical course (voluntary) in instrumental Astronomy, embracing the adjustment and use of the sextant, the transit, the chronograph, the chronometer, and the equatorial, with some of their more important accessories. A small observatory with a simple equipment furnishes facilities for this work.

A ten weeks' course in Sanitary Science, and a course of like extent in Meteorology, are offered to students in the courses leading to the degree of Bachelor of Pedagogics.

TEXT-BOOKS.

Astronomy,	-	-	-	-	-	-	-	Newcomb.
Instrumental Astronomy,	-	-	-	-	-	-	-	Lectures and Chauvenot.
Elementary Physics,	-	-	-	-	-	-	-	Gage.
Advanced Physics,	-	-	-	-	-	-	-	Anthony and Brackett.
General Chemistry,	-	-	-	-	-	-	-	Remsen.
Analytical Chemistry,	-	-	-	-	-	-	-	Jones.
Laboratory Practice,	-	-	-	-	-	-	-	Lectures.
Physical Technics,	-	-	-	-	-	-	-	Lectures.
Sanitary Science,	-	-	-	-	-	-	-	Blyth.
Meteorology,	-	-	-	-	-	-	-	Lectures.

NATURAL SCIENCES.

The work of this department embraces Botany, Zoölogy, Physiology, and Geology; sciences observational in character as distinguished from the experimental sciences of Physics and Chemistry



and dealing for the most part with organized matter. The study of texts is subordinated as far as possible to work upon the material itself. The courses are all planned to meet the needs of pupils considered as students and as prospective teachers. From those coming fully within its grasp the department endeavors to secure the following results :

1. The training of the senses, particularly the eye, in close, accurate observation.
2. The preparation of written records of observations in clear, accurate, concise language, supplemented with truthful delineation of the same by means of drawings.
3. Logical reasoning upon these observations, the deduction of truth, and generalization.
4. The acquisition of knowledge, academic and professional.
5. The skillful manipulation of apparatus, the use of scientific methods in obtaining knowledge, either from Nature direct or from books, and hence the ability to carry on independent investigation.
6. A love for scientific truth.

The Training School affords opportunity for practice teaching and for the presentation of talks and object lessons to the pupils of the various grades.

Pupils are strongly urged to take up their work in this department in the order that it is here described. The courses all cover ten weeks each, excepting the full term of Structural and Comparative Zoölogy. The numbers in parenthesis refer to the corresponding numbers in lists A and B.

1. *Structural Botany* (72). A course of laboratory work designed as an introduction to the work of the department. The handling of the compound microscope and its accessories with intelligence and some degree of skill is first taught. The following general headings serve as an outline of the course: Protoplasm, Products of Protoplasm, Studies upon the Cell, Tissue Systems, Seeds and their Germination. The laboratory work is supplemented by class lectures.

2. *Systematic Botany* (73). This course follows the work in Structural Botany. The general subject of Morphology is taken up as presented in such texts as Wood and Gray. The scientific and

educational value of field work is fully recognized, and is represented in class work by the description, analysis and determination of seventy-five plants. The grouping of plants according to their natural affinities, the study of relationships by the comparison of orders, and other details of classification are pursued as far as the time allotted to the subject allows.

3. *Structural and Comparative Zoology* (74). With the skill acquired in the use of the microscope in Structural Botany, the information obtained, and the knowledge of laboratory methods, the pupil is prepared to enter at once upon a study of animal forms. A detailed study is made in the laboratory of types of each of the eight sub-kingdoms. The following forms are used: Amoeba, Paramecium, Vorticella, Sponge, Hydra, Actinia, star-fish, sea-urchin, mussel, oyster, earthworm, crayfish, grasshopper, and frog.

4. *Systematic Zoology* (75). This course is designed to supplement the preceding, but it may be taken by those who desire to prepare for the science work of the grades whether or not they have had work with the department. It consists of recitations, readings, lectures and practical work upon the collections. Object lessons are prepared, the animal kingdom is classified, and the principles of identification taught.

5. *Biological Technics* (76). This course is intended to train teachers in the collection and preparation of zoological and botanical material for purposes of study and illustration. It must be preceded by a course in Zoology. Histological mounts are prepared, skeletons cleaned and articulated, birds and small mammals skinned and mounted.

6. *Physiology*. Teacher's Review (77). This is a senior study and represents advanced work, the ordinary high school work in Physiology being represented by the twenty-weeks' course in the Ninth Grade. It is placed late in the course that the student may have the benefit of maturity and a knowledge of contributing sciences, as a preparation for the consideration of important questions which relate to the work of the teacher. A rapid review of the general subject, with special attention to nutrition and the nervous system, constitutes the first part of the course. The latter part is devoted to School Hygiene, and includes such topics as Ventilation,

Hours of Study, Recreation, Physical Training, Effects of Competition and Worry, etc. This part of the work is carried on by discussions and essays, and the library and all other available sources are freely drawn upon for material.

7. *Entomology* (103). For those who desire a more intimate acquaintance with insect life than can be secured in the general work of Zoölogy, this course has been arranged. It consists of dissections and drawings of typical structures of the principal orders, a study of the habits of insects, relation of habits to structure, transformations, etc. Individual collections are made and identified.

8. *Lithological Geology, including Mineralogy* (78). Practical work in the study of minerals and rocks, supplemented with reading, lectures and recitations. Previous work in Chemistry and Physics is required. Blow-pipe methods and chemical manipulation are taught. About sixty minerals and all the common rocks are studied. Individual collections are made from the field, identified and catalogued.

9. *Dynamical Geology, including Structural Geology* (79). This course is designed to give a clear idea of the forces and agencies which have determined the shape and character of the earth's surface, and which are still at work in modifying it. It is believed to form a valuable, if not indispensable, adjunct of geography. It should be preceded by Lithological Geology. The work consists of recitations, lectures, readings, class experiments, and field excursions. It is taken up under the following heads: Atmospheric, Aqueous, Igneous, and Organic Agencies.

10. *Historical Geology, including Paleontology* (80). A study of the evolution of the earth and its inhabitants, by means of recitations, reading, lectures, and laboratory work upon fossil forms. Courses in Zoölogy and Botany are required, and the previous work in Geology is desirable. Beginning with the Nebular and Meteoritic Hypotheses the "Geological column" is taken up in order and brought down to the historic period. The character of the rocks is studied, their thickness, home and foreign localities, their teachings, economic products, and forms of life.

#### GENERAL FACILITIES FOR WORK.

A large, well-lighted laboratory has just been fitted up with accom-

modations for 50 pupils in a section. It is equipped with everything needed for practical work in Biology and Mineralogy. The lecture rooms contain valuable collections in Zoölogy, Botany, Mineralogy, and Lithology, supplemented with photographs, charts, casts and models.

The aim has been to place in the library, as far as possible, all literature of interest and value to a student looking forward to teaching. This consists of manuals, reference books, texts and periodicals to which constant accessions are being made.

#### TEXT-BOOKS.

Structural Botany,	- - - -	Lectures and Laboratory Work.
Systematic Botany,	- - - -	Wood's Class Book, or Grant's Manual.
Structural and Comparative Zoölogy,	- - - -	Lectures and Laboratory Work.
Systematic Zoölogy,	- - - -	Packard.
Biological Technics,	- - - -	Laboratory Work.
Physiology,	- - - -	Cutter.
Entomology,	- - - -	Comstock.
Lithological Geology,	- - - -	Lectures and Laboratory Work.
Dynamical Geology,	- - - -	Dana, Geikie or LeConte.
Historical Geology,	- - - -	Dana.

#### GEOGRAPHY.

The course in Geography comprises:

1. General Geography, including lessons upon the earth as a planet; general laws of the contour and relief of the earth's surface; hydrography; climate and distribution of vegetable and animal life; anthropogeography (man as dependent upon the physical condition of the earth's surface; the earth's surface as modified by the action of man.)

2. Special Geography, including lessons upon the physical characteristics of the ocean, and upon their relations to commerce and civilization; upon the physical characteristics of the continental masses; upon the relation of these physical characteristics to commerce, civilization, political divisions, etc.; upon the grand divisions; upon the United States, and upon Michigan, from the same point of view.

**PROFESSIONAL WORK.** A special course in methods of teaching geography is given, including a detailed outline of the course of instruction and full illustrations of the method of conducting the lessons. Members of the senior class teach geography in the Training School under the supervision of the head of the department.

**TEXT-BOOK**—Any good Grammar School or High School geography containing good physical maps.

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## DRAWING.

**ELEMENTARY.**—The Elementary class follows in the main the course as laid down for the Training School, with such modifications as the greater maturity of the pupils may require. The topics considered are geometrical plane figures and their use in design; free ornament of the leading styles (Greek, Italian Renaissance, Gothic, etc.); drawing from solids, including geometrical forms, common objects and casts, with light, shade and shadow; principles of perspective and the construction of shadows and reflections; geometrical drawing; working drawings, and the elements of orthographic and isometric projection; harmony and contrast of color, with exercises in coloring; construction in appropriate material, of all forms drawn.

The course is presented in the order or succession suitable for its use in the public schools.

The course in the advanced class follows the same general line of work as that of the elementary class, with the addition of mathematical perspective; projection of shadows; advanced projection drawing; drawing from casts, natural flowers, leaves, etc.; composition of original ornament; theory of ornament; historical ornament; topographical drawing; construction of all forms drawn, and sketching from nature.

**PROFESSIONAL WORK.** A special course in methods of teaching drawing is given, including a detailed statement of suitable lessons and the methods of giving them, with full examples of the work for each year. Members of the senior class teach drawing in the Training School under the supervision of the head of the department.

## GERMAN AND FRENCH.

## COURSE IN GERMAN.

- First Term.*—Pronunciation, reading, oral exercises. A rudimentary knowledge of the parts of speech; the most important rules of syntax. (Otis, Elementary German.)
- Second Term.*—Oral and grammatical exercises continued (Brandt's Grammar with Lodeman's Exercises.) Schiller—Wilhelm Tell.
- Third Term.*—Lessing's Minna von Barnhelm. Grammar continued. A short story by Paul Heyse.
- Fourth Term.*—Goethe's Hermann und Dorothea. Hoffman's Historische Erzählungen. Freytag's der Staat or Friedrich's des Groszen, Grammar completed.
- Fifth Term.*—Selections from Schiller's, Goethe's, and Heine's prose. Goethe's Egmont, or equivalent. German Composition (Harris.)
- Sixth Term.*—German Ballads and Lyrics. Extracts from German Scientific Literature. Composition (Harris.)
- Seventh Term.*—(10 weeks), Literary studies and discussion of methods of teaching. (10 weeks), Teaching in Training School.
- Eighth Term.*—Lessing's Nathan der Weise. Goethe's Iphigenie auf Tauris, or Torquato Tasso. A German treatise on Education. Composition (Buchheim.) Teaching in Training School.

## COURSE IN FRENCH.

- First Term.*—Pronunciation, reading, oral exercises. Elementary Grammar (Macmillan's Progressive French Course, Part I.) Mme. de Girardin—La Joie fait Peur, or equivalent.
- Second Term.*—Grammar continued (Macmillan's Course, Part II.) Molé—French Life in Letters. Halèvy—L'Abbé Constantin. Conversation, in connection with reading lessons.
- Third Term.*—Sandeau—Mlle. de la Seiglière. George Sand—La Mare au Diable, or Mérimée Colomba. Study of Idioms. Grammar continued (Macmillan's Course, Part II.) Conversation.
- Fourth Term.*—Lacombe—Petite Histoire du Peuple français, in French only, with practice in conversation and study of idioms. Corneille—Le Cid, or Horace. Molière—Les Femmes Savantes. Composition and Grammar, once a week, (Macmillan's Course, Part III.)
- Fifth Term.*—(10 weeks), Literary Studies and Reading. Discussions of Methods of Teaching.
- Sixth Term.*—Sainte Beuve—Causeries du Lundi, or equivalent. Crane—La Romantisme français, or equivalent. A French treatise on Education. Composition and Grammar, once a week, (Macmillan's Course,

## ANCIENT LANGUAGES.

*COURSE IN LATIN.*

## FIRST YEAR.

Jones's First Lessons in Latin in connection with D'Ooge's Colloquia Latina, and Harkness's Standard Latin Grammar (or Allen and Greenough's) Translation of easy selections, with simple Latin conversation based upon the Colloquia.

## SECOND YEAR.

Cæsar's Commentaries, (Kelsey's or Allen and Greenough's), four books. The reading of some good biography of Cæsar is required. Latin Prose Composition (Daniell, Part I.) This year is devoted to thorough grammatical drill.

## THIRD YEAR.

Cicero (Allen and Greenough), six orations, or four orations and Sallust's *Bellum Catilinae*. The reading of some good biography of Cicero is required. Latin Prose Composition (Daniell, Part II.) Daily practice in writing Latin will be given. Ovid—Selections (Kelsey) commenced, with a study of versification and scansion. This year is devoted mainly to the study of Latin synonyms, the elements of good Latin style, and the figures of rhetoric and syntax.

## FOURTH YEAR.

Ovid—Selections completed. Vergil—*Aeneid* (Frieze), six books, and the *Eclogues*. During this year, special attention is given to Mythology and Ancient Geography.

During the third and fourth years, practice is given in sight-reading from Tomlinson's "Latin for Sight Reading."

In the fourth year, a five weeks' lecture course is given on Grecian and Roman Literature, and a five weeks professional course on methods.

Ample facilities for practice teaching in Latin are offered in the ninth grade of the Training School.

*COURSE IN GREEK.*

## FIRST YEAR.

Boise's First Lessons in Greek, in connection with Hadley and Allen's Greek Grammar. Moss's First Greek Reader. Xenophon—*Anabasis* (Kelsey or Boise) commenced.

## SECOND YEAR.

Xenophon—*Anabasis* continued, three books. Greek prose (Jones). Homer—*Iliad* (Keep), three books. As soon as practicable, sight-reading is

introduced from Moss's First Greek Reader, or from Jerram's *Minora Reddenda*.

The following studies are offered to students pursuing the advanced courses (six years) leading to the degree of Bachelor of Pedagogics:

**ADVANCED COURSES IN LATIN.**

*Ninth Term.*—Livy—Book XXI or XXII, with Miller's Latin Composition.

*Tenth Term.*—Horace—Odes and Epodes, or Satires and Epistles.

*Eleventh Term.*—Terence or Plautus—Two Comedies, and Horace—*Ars Poetica*.

*Twelfth Term.*—Tacitus—*Germania* and *Agricola*, or Cicero—*De Amicitia* or *De Senectute*.

**ADVANCED COURSES IN GREEK.**

*Fifth Term.*—Homer—*Odyssey*.

*Sixth Term.*—Lysias. Four orations.

*Seventh Term.*—Plato—*Apology*.

*Eighth Term.*—Sophocles—*Edipus Tyrannus*; Euripides—*Alcestis*; or Demosthenes—*De Corona*.

N. B.—The advanced courses in Latin and in Greek will be given, in the order laid down, only on alternate years. Pupils who enter for this work in the fall of 1893 will be classified with those who entered in 1892, and will complete, with them, the work of the last two terms of Latin and of Greek respectively before taking up the work of the first two terms.

**MUSIC COURSE.**

**FIRST YEAR.**

*First Term.*—Elements of vocal music with methods of instruction. Cultivation of the voice, alternating with other subjects, throughout the entire term.

*Second Term.* (First 10 weeks) Special Teachers' Class and Advanced Music—Cultivation of the voice continued. The principles of musical notation further developed, and pupils required to sing and write the major, minor, and chromatic scales in all the keys. A part of the time will be given to the practice of glees, clants, etc., solo and quartette singing, and the other part to the consideration of musical theory and methods of teaching.



*Second Term.* (Last 10 weeks).—Methods of teaching music in ungraded schools and in graded schools, reviewed; also methods of teaching singing schools and giving individual lessons. Cultivation of the voice. Lectures and essays upon professional topics.

SECOND YEAR.

*First Term.*—1. Counterpoint. This subject will be taught according to the methods and books of the best German, English, and American authors. 2. Voice Culture. Individual lessons, that each voice may receive especial training and development.

*Second Term.*—First term in harmony and voice culture.

THIRD YEAR.

Harmony II, voice culture, or instrumental music.

FOURTH YEAR.

Study of Form in music. How to construct melodies, and how to analyze them. Also the consideration of various kinds of compositions, such as the Song, the Sonata, the Symphony, the Oratorio. Solo Singing. The instruction now given will be adapted particularly to preparing singers for public singing in church choirs or in concerts and school lyceums. During these years, pupils in instrumental music will have opportunity to play accompaniments. History and Literature of Music. Study of different Schools of Music. Practice teaching and conducting.

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**INSTRUMENTAL MUSIC.**

See circulars of the Normal Conservatory of Music.

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**THE NORMAL CHOIR.**

All persons who have passed music, and others who are competent, may be admitted to the choir. The work in this class consists of chorus singing and special vocal drill, and the preparation of music for the various public exercises of the school. The accompaniments for the choir are played on the Grand Organ or the Piano in Normal Hall. Here pupils may continue the practice of music during the entire course without interfering with other studies.

*CONDUCTOR'S CLASS.*

More advanced pupils will be appointed as conductors, and after the necessary instructions have been given, they will have opportunity to conduct the chorus.

## TEXT-BOOKS IN MUSIC.

Pease's Singing Book.	
Harmony Manual, - - - - -	Pease and Hewitt.
Elements of Harmony, - - - - -	Buesler and Emery.
Development of Voice, - - - - -	- - Scharfe.
Vocalises Bordogni, Marchesi, Vaccai.	
Composition, - - - - -	Cornell and Stainer.
Counterpoint - - - - -	Buesler, Bridge and Richter.

## THE TRAINING SCHOOL.

The Training School is established and maintained in connection with the Normal School for the purpose of furnishing opportunities for observation and practice teaching to Normal School students, under the supervision of its principal assisted by a corps of eight model and critic teachers and a kindergartner. It includes in its organization an eight grade school of 300 pupils, and a kindergarten of 40 children. A ninth grade has recently been added. The course of study embraces the subjects and the amount of work required in the corresponding grades of the best public schools.

### TEXT-BOOKS USED IN THE TRAINING SCHOOL.

Arithmetic,	- - - - -	Wentworth, Olney.
Algebra,	- - - - -	Bellows.
Language,	- - - - -	Barnes, Swinton, Reed and Kellogg.
Reading—	Modern School, Appleton's, Barnes's Swinton, Nature Readers, Standard Supplementary. Appleton's Historical and Natural History Series, English Classics.	
Geography,	- - - - -	Appleton, Our World.
United States History,	- - - - -	Higginson.
Penmanship,	- - - - -	Spencerian Manual.
Dictionary,	- - - - -	Webster.
Physiology and Hygiene,	- - - - -	Kellogg, Smith, Martin.
Music,	- - - - -	National Music Course, Pease.
Drawing,	- - - - -	Goodison's Syllabus.
Latin,—	Jones's First Lessons, Harkness's Grammar, D'Ooge's Colloquia Latina.	
German,	- - - - -	_____

### COURSE OF STUDY.

#### KINDERGARTEN.

Children are admitted at four years of age. While the work is that of a regular kindergarten, it is conducted with reference to the primary school in which the methods of the kindergarten are continued so far as they are properly applicable to the work of the grades.

## PRIMARY GRADES.

## FIRST YEAR.

- Reading.*—Sentences and Words; new words introduced into a sentence; all possible combinations of the words learned; association of word and idea; meanings of words developed and made vivid by means of objects, drawings and other pictures; script used from the beginning; blackboard and slate work first ten weeks—50 selected words; phonics; print introduced the eleventh week by charts and books; First Reader.
- Spelling.*—Naming the letters of words from sight; copying words and sentences; writing words and sentences from dictation; spelling includes capitals and the apostrophe when necessary features of the word, i. e., the complete form of the word.
- Penmanship.*—Movement exercises; forms of letters, singly and in groups of words; blackboards and slates; paper and pencil; neatness and accuracy insisted on.
- Drawing and Manual Work.*—Form work, including modeling, mat-weaving, perforating, sewing, coloring, representation of flowers, fruits, vegetables, etc.; designing—paper-folding, cutting, ring and stick-laying, etc.; Form is based on kindergarten gifts.
- Music.*—Rote-singing; voice culture—breathing tones, etc.; reading music—triads and scales, hand-signs and numerals, letters and syllables; time exercises; blackboard and modulator; Music Reader No. 1; charts, new first series.
- Arithmetic.*—Development of the idea of numbers from 1 to 10, counting, etc.; (Children who have had the benefit of kindergarten instruction, are beyond this stage; the work, however, is retained in the grade to meet the needs of children who have not had such training). Relations and combinations based on the Grubé Method. Special attention to applied work. Reading and writing numbers to 100.
- Language.*—Special attention to oral language based on things and their properties and relations; work with objects, pictures, stories; memorizing of selections; written work related to the above; copying, reproduction, and dictation work in connection with the reading work.
- Home Knowledge Preparatory to Geography, Botany, Zoology, etc.*—Position, direction, etc.; observation lessons—natural phenomena, plants, animals, etc. (These subjects are taught in connection with language and other work.)
- General Lessons.*—Morals and manners, cleanliness, care of body and personal belongings.

## SECOND GRADE.

- Reading.*—First Readers continued; from two to three first readers completed during the year; new words taught as in first grade; sounds of

letters systematically taught; diacritical marks used. Supplementary work.

*Spelling*.—As in first grade; spelling blanks used.

*Penmanship*.—First grade work continued and extended.

*Drawing and Manual Work*.—Form work as in first grade, continued and extended.

*Music*.—Previous work continued and extended; written work—modulator, blackboard and charts; Music Reader No. 1; charts, first series.

*Arithmetic*.—Numbers to 100 with applied work; the fundamental operations to be considered separately on the basis of work of first grade; construction and memorizing of addition, subtraction, multiplication, and division tables; equal parts of numbers taught; elements of Denominate Numbers; Notation and Numeration to 1000.

*Language*.—Oral and written work continued and extended; capitals, conventional punctuation—special attention to quality of work; declarative and interrogative sentences, construction of same using words learned; study of plants, animals, other objects and pictures directed by teacher, followed by oral and written reproduction.

*Home Knowledge, etc.*—Work of first grade continued and extended.

*General Lessons*.—Work of first grade continued and extended.

#### THIRD GRADE.

*Reading*.—Second Reader; two readers completed during the year; phonics and diacritical marks continued. Supplementary work.

*Spelling*.—As before.

*Penmanship*.—Paper, pen and ink; blackboard drill work; copies given by teachers; sentence writing; special attention to position and fore-arm movement.

*Drawing and Manual Work*.—Straight lines in different positions, length and distance apart; angles, and four-side figures from models; applications to straight-line flat ornament and to drawing faces of objects; element of color; construction in paper or pasteboard of objects drawn.

*Music*.—Previous work continued and extended; staff notation using different keys without explaining their signification; Reader No. 1; charts; first series.

*Arithmetic*.—Notation and numeration to 1,000,000; addition, written work, columns of digits; columns of numbers larger than ten; subtraction, written work, the two cases; multiplication, written work—multiplier of one figure; division; Denominate Numbers continued; special attention to explanations, analysis, and the construction of practical problems.

*Language*.—Object and picture work, stories and memory selections continued and extended and made the basis of the following: word studies,—abbreviations, apostrophe, etc.; parts of speech,—noun, verb, adjective, adverb; exclamative sentence; paragraphing. Letter-writing systematically taught. Barnes's Short Studies. Studies of plants, animals, etc., according to season.

*Geography*.—Home Geography—the horizon, school-room, building and grounds, adjacent streets, city and vicinity, with maps; natural divisions of land and water as observed in the neighborhood of Ypsilanti, and their representation in map and model. Apparent motions of the sun during the year observed, described, and represented; natural phenomena having geographical bearing, (changes in temperature, winds, etc.) observed and described. The world as a whole with globe; chief divisions of land and water with globe and maps of hemispheres.

*General Lessons*.—Work of previous grades continued; health—foods, etc.

#### FOURTH GRADE.

*Reading*.—Third Reader, one or more books; special drills on lists of words difficult to pronounce; phonics and diacritical marks. Supplementary Reading.

*Spelling*.—As before.

*Pennmanship*.—Work of third grade continued and extended; paragraph and stanza writing; special attention to the making of figures, marks of punctuation, etc.

*Drawing and Manual Work*.—Division of angles; the equilateral triangle, hexagon, octagon, pentagon, from models; applications to flat ornaments and drawing faces of objects; construction, and elements of color continued.

*Music*.—Extension of work of third grade; Reader No. 2; charts, new second series.

*Arithmetic*.—Written Arithmetic,—text-book used by the children. Notation and numeration through three periods; applications of addition and subtraction—proofs; multiplication—multiplier two or more figures; long division; fractions; tables of measures and weights; explanations and practical problems; Roman notation to M; review of year's work.

*Language*.—Work of third grade continued and extended—plants and animals, etc.; all parts of speech with definitions; oral and written abstracts of reading lessons and stories; rules for capitals and punctuation; formation of plurals; letter writing and original compositions; book continued.

*Geography*.—The form of the earth and its representation by a globe; names and position of leading divisions of land and water on the globe

with reference to Ypsilanti; division of the earth into hemispheres, and representation upon hemisphere maps; location of continents, oceans, etc., upon globe and hemisphere maps; detailed study of the grand divisions, the oceans, and the United States and Michigan; representation throughout the course by map and model. Advanced Home Geography. Detailed study with representation by map and model of Ypsilanti and neighborhood. Observation, description, and representation of apparent motions of sun, moon and leading constellations; observation and description of natural phenomena having geographical bearing, and their application to elementary lessons in general physical geography.

*General Lessons.*—Hygiene continued; oral lessons in physiology.

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## GRAMMAR GRADES.

### FIFTH GRADE.

*Reading.*—Fourth Reader—first half; outside selections—individuals reading before the class; use of dictionary taught and required; word drills; elocution—individual and concert rendering of sentences containing words and combinations difficult to articulate; supplementary work.

*Spelling.*—As before; words and sentences from the reading lessons and other text-books.

*Penmanship.*—Work of fourth grade continued; movement and rapidity stimulated; business forms—notes, receipts, letters, etc.

*Drawing and Manual Work.*—The circle and its parts—application to flat ornament; curves derived from the circle; geometrical ornament on basis of preceding plane figures; free ornament based on curves and conventionalized natural forms; the ellipse, the oval, and the spiral—application to flat ornament; elevations of objects; construction, and elements of color continued; exercises in coloring.

*Music.*—Same as fourth grade; two-part songs; Reader No. 2.

*Arithmetic.*—"Practical Arithmetic" begun; notation and numeration; the fundamental operations with integers and decimals.

*Language.*—The sentence—elements and their modifications; correction of errors; exercises in criticism; manuscript work—abstracts from memory, simple narratives, composition and letter writing.

*Geography.*—Mathematical and physical; world—hemispheres; New World studies—North America and its political divisions in general; United States entire—eastern and middle sections in detail; map drawing—North America, United States as a whole, and the sections as studied.

*General Lessons.*—Elementary Sciences—the work of the grade being divided into four parts and presented in consecutive quarters, viz: 1st quarter, Zoölogy; 2d quarter, Physiology and Hygiene; 3d quarter, Natural Philosophy; 4th quarter, Botany.

## SIXTH GRADE.

*Reading.*—Fourth Reader completed; attention to reading for the thought; individual readings, word drills, and elocutionary work as in fifth grade.

*Spelling.*—Continued as before.

*Penmanship.*—Previous work reviewed and extended; formal analysis of letters—comparative heights and widths.

*Drawing and Manual Work.*—Drawing from straight-line solids and objects; construction, ornament and coloring continued.

*Music.*—Reader No. 3.

*Arithmetic.*—Multiples and measures; common fractions; compound numbers.

*Language.*—Classes of words; the sentence—phrase and clause modifiers; their expansion and contraction, showing equivalence; elements—object and attribute complements; classification of sentences by use and structure; simple analysis with formula. Syntax—formula for parsing; rules and illustrative examples required, with applications to false syntax. Synoptical reviews of the sentence and parts of speech. Manuscript work—letter writing, composition from outlines.

*Geography.*—United States—southern, central and western sections with the territories; Mexico, Central America, West Indies; South America; map drawing of each division as studied—the drawing of maps, free-hand and from memory on blackboard and on paper, is made a prominent feature; review of work of fifth and sixth grades by means of map drawing.

*General Lessons.*—Work of two previous grades continued and extended; stimulants and narcotics; use of book.

## SEVENTH GRADE.

*Reading.*—Fifth Reader, first half; work of fifth and sixth grades continued and extended; supplementary work.

*Spelling.*—Same as previous grades; paragraph dictation.

*Penmanship.*—Work of preceding grades continued and extended.

*Drawing and Manual Work.*—Drawing from curve-line solids and objects; ornament, construction, and coloring continued and extended; elementary exercises in drawing plastic ornaments from casts; clay-modeling; elements of mechanical drawing.



- Music.*—Same as sixth grade; three-part songs; Reader No. 3.
- Arithmetic.*—Percentage and applications—profit and loss, commission and brokerage, insurance, taxes and duties, interest and discount; algebraic methods encouraged in percentage.
- Geometry.*—One lesson a week. Geometrical forms with examples in mensuration from the arithmetic.
- Language.*—Analysis with diagrams—simple, complex, compound sentences; objective complement; independent words and phrases; parts of speech—participles, infinitives, conjunctive adverbs; parsing—oral and written; manuscript work—capitals, pronunciation, order of arrangement, composition and letter writing.
- Geography.*—Old World studies—Europe, Asia, Polynesia, Africa; reviews; map drawing as before, and with slated globe.
- General Lessons.*—Work of previous grade continued and extended.

## EIGHTH GRADE.

- Reading.*—Fifth Reader completed; general and special work as in the three preceding grades; supplementary reading—selections from standard authors, as the Ancient Mariner, Canto VI. of Marmion, The Sketch Book, etc.
- Pennmanship.*—Same as preceding grades.
- Drawing and Manual Work.*—Drawing groups of solids and objects; elements of perspective; construction, ornament, coloring, work from casts, modeling and mechanical drawing continued; principles of ornamental design; elements of orthographic projection.
- NOTE.—In all the grades these exercises are conducted on the principle of imitation, invention, dictation and memory.
- Music.*—Same as preceding grades; four-part songs; Pease's Singing Book.
- Algebra.*—The four operations; simple equations with one unknown quantity.
- Arithmetic.*—Involution and evolution, and miscellaneous examples using algebraic methods.
- Geometry.*—Book I, without text-book.
- Language.*—Analysis, diagrams and parsing continued; subdivision and modification of parts of speech; classification of connectives; special use of words; irregular verbs; rules for spelling; capitals, punctuation; manuscript work—written class work, composition and letter writing.
- Geography.*—First half year. General Review; special review of United States and Michigan; railroad and commercial geography; map drawing as before.
- U. S. History.*—Last half year. Topical studies in discoveries, settlement and colonization, wars, institutions, development.
- General Lessons.*—Work of previous grade continued; meteorology and astronomy—atmosphere and solar system.

## NINTH GRADE WORK.

## ENGLISH AND SCIENTIFIC COURSE.

Reading—English classics throughout the year.  
Mathematics—Arithmetic, first term; Algebra, second term.  
Vocal Music, first term.  
Physiology, first term.  
English Grammar, second term.  
U. S. History, second term.

## CLASSICAL COURSE.

Latin or German throughout the year.  
Mathematics—Arithmetic, first term; Algebra, second term.  
English Grammar, first term.  
U. S. History, first term.  
Vocal Music, second term.  
Physiology, second term.

## THE NORMAL CONSERVATORY OF MUSIC.

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The regular twenty weeks' course in vocal music is sufficiently extended and thorough to prepare teachers to give the elementary instruction usually required in this subject in the public schools. The Course in Music (see Courses of Study) offers opportunities for those who wish to specialize in this direction to make still further advancement, without cost for tuition. To this point, free musical instruction is offered in regular Normal School classes.

There is, however, a considerable demand for teachers expert with some musical instrument, and of still more advanced acquirements in vocal music. Such students, who desire to go further in the study of vocal music, or to learn instrumental music, are also provided for at the Conservatory, but such instruction must be paid for by the pupil receiving it. For the purpose of meeting the needs of such, four Conservatory Courses are prescribed.

Still another class of students desire individual lessons for the voice or upon some instrument, but do not wish to follow a definite and extended course. The needs of these are also provided for, and their special musical instruction is also at their own cost. The terms for individual lessons and the requirements of the Conservatory Courses, are given in a circular which will be mailed upon request made to Frederic H. Pease, Director. Instrumental music is accepted as a regular study in the Music Course. (See Music Course.)

All students in the Conservatory are required to pay the regular entrance fee of five dollars at the beginning of each half-yearly term.

The following list shows the names of those taking special private instruction in music in the Conservatory. The names of those who are engaged in the regular Normal Music Course are indicated in the general catalogue of names headed "Names of Students."

Many students not in the Special Music Course, pursue Voice Culture, Harmony, Literature of Music, etc., in the regular Normal classes. These are not separately catalogued in this Register.

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## STUDENTS IN THE CONSERVATORY.

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### VOICE CULTURE.

NAME.	RESIDENCE.
Andrews, Frank E.	Coldwater.
Bush, Isabel Graham	Battle Creek.
Barnard, Martha	Ypsilanti.
Bassett, Florence L., (Grad.)	Ironwood.
Blue, Pearl	Elm.
Buell, Rena	Union City.
Boulsom, Marie	Negaunee.
Ballenger, Grace	Fairmount, Ind.
Burck, Pearl M.	Galveston, Tex.
Baldwin, Madison G.	Toledo, O.
Coombs, Lotta	Hillsdale.
Cruikshank, Laura	Lexington.
Camburn, Florence M.	Macon.
Crittenden, Nettie	Macon.
Coddington, Ralph W.	Union City.
Corbin, Laurene	Union City.
Cornwell, Miss	Ann Arbor.
Camburn, Carrie	Macon.
Dansingburg, Fred J.	Stony Creek.
Dickinson, Mary A.	Ypsilanti.
Dodge, John W.	Ypsilanti.
Diebly, Clara B.	Montpelier, O.
Diebly, Frank J.	Montpelier, O.
Duncan, Chas.	Oscoda.
Deacey, Emma	Ewart.
Ellsworth, Florence	Ypsilanti.
Ellsworth, Daniel	Ypsilanti.

## STUDENTS IN THE CONSERVATORY.

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NAME.	RESIDENCE.
Fisk, Lillian	Ypsilanti.
Farnham, Jennie B.	Ypsilanti.
Glover, Mrs. Oriska W.	Ypsilanti.
Goodrich, Ernest P.	Ypsilanti.
George, Grace	Ypsilanti.
Harlow, Lela, (Grad.)	Coldwater.
Hazard, Eleanor S.	Centreville.
Hinckley, Edward H.	Ypsilanti.
Higgins, Jay P.	Dailey.
Herrick, Mirabelle	Olivet.
Ingersoll, Louisa	Dundee.
Ives, Sarah A.	Coldwater.
Johnson, Elva	Athens.
Kurtz, Edith	Genesee Village.
Kenyon, H. Loretta	St. Johns.
Kimball, Katharine	Alpena.
Lowe, Mr.	Stony Creek.
Leek, Eva	Waterloo.
Mosher, Clare D.	Centreville.
Moore, Bertha	South Butler.
Murray, Mildred	Ypsilanti.
Moots, Minnie	Dewitt.
Miller, Nellie I.	Stockbridge.
McPetridge, Matie	Ida.
McCutcheon, Herbert	Marysville.
McIntosh, Emily L.	Detroit.
Oberst, Kathreen	Ypsilanti.
Parsons, A. A.	Ypsilanti.
Paton, Alice	Liverpool, Eng.
Parsons, F. F.	Ypsilanti.
Phillips, Hattie	Ypsilanti.
Pease, Fred I.	Ypsilanti.
Rowley, Adeline W.	Cedar Rapids, Ia.
Shearer, Mary	Jackson.
Swift, Marie	Battle Creek.
Savery, Katharine	Ypsilanti.
Stevens, Grace B.	Ypsilanti.
Sager, Drusa	Flowerfield.

NAME.	RESIDENCE.
Stocking, Cora D.	Stockbridge.
Sweet, Chas.	Ypsilanti.
Van Buren, Carrie	Dexter.
Wood, Mayme	Ypsilanti.
Wise, Mollie	Ypsilanti.
Walker, Willetta	Dansville.
Warner, Mabel	Ypsilanti.
Whitbeck, Albert	Battle Creek.
Zimmerman, Cornelia	Galien.

## PIANO.

Allen, Mabel	Ypsilanti.
Allen, Elmer C.	Ypsilanti.
Allen, Chas.	Ypsilanti.
Beach, Katharine	Kalamazoo.
Bush, Isabel G.	Battle Creek.
Babbitt, Alice	Ypsilanti.
Buell, Daisy	Union City.
Blue, Pearl A.	Elm.
Bissell, Alice	Ypsilanti.
Bird, Myra	Gregory.
Boulsom, Mary	Negaunee.
Ballenger, Grace	Fairmount, Ind.
Burck, Pearl M.	Galveston, Tex.
Cheshire, Georgia	Ypsilanti.
Cross, Stella	Saline.
Canright, Alice Blanche	Joppa.
Childs, Edith	Whittaker.
Davis, Lura	Ypsilanti.
Dodge, John W.	Ypsilanti.
Damon, Avonia	Ypsilanti.
Drury, Clara	Ypsilanti.
Diebly, Clara B.	Montpelier, O.
Ellsworth, Florence	Ypsilanti.
Fisk, Lillian	Ypsilanti.
Frasier, Cora	Metamora.
Fraser, Maude	Ypsilanti.

## STUDENTS IN THE CONSERVATORY.

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NAME.	RESIDENCE.
Frary, Blanche	Leslie.
Glover, Mrs. Oriska W.	Ypsilanti.
Gleason, Frankie	Hadley.
Gareissen, Marie	Galveston, Tex.
Harlow, Iela	Coldwater.
Holmes, Tillie	Ypsilanti.
Hemphill, Josephine M.	Ypsilanti.
Humphrey, Sara	Cheboygan.
Hardy, Rose	Ypsilanti.
Ingersoll, Louise	Dundee.
Jones, Mary E.	Ortonville.
Kimball, Katharine	Alpena.
Knight, A. E.	Shiloh.
Louden, Allie	Ypsilanti.
Martindale, Kate	Kalkaska.
Miller, Bertha	Palo.
McDonald, Metta	White Pigeon.
Oberst, Kathreen	Ypsilanti.
Parsons, Archie A.	Ypsilanti.
Paton, Alice	Liverpool, Eng.
Phillips, Hattie	Ypsilanti.
Parsons, Gertrude	Ypsilanti.
Pease, Ruth	Ypsilanti.
Parshall, Carrie	Hartland.
Rowley, Ruby	Crystal Falls.
Roys, Minnie	Belleville.
Swift, Marie	Battle Creek.
Savery, Catharine	Ypsilanti.
Smith, Flota	Ridgeway.
Shaw, Merry L.	Ypsilanti.
Sager, Drusa	Flowerfield.
Smith, Mrs. C. Y.	Ypsilanti.
Todd, Mrs. Lucy	Ypsilanti.
Taylor, Blanche	Tecumseh.
Uren, Daisy	Crystal Falls.
Vogt, Frances	Richmond.
Walker, Willetta	Dansville.

NAME.	RESIDENCE.
Wallin, Winifred . . . . .	Northville.
Zimmerman, Cornelia . . . . .	Galien.

*ORGAN.*

Cheshire, Georgia . . . . .	Ypsilanti.
Dansingburg, Fred J. . . . .	Stony Creek.
Dickinson, Mary A. . . . .	Ypsilanti.
Day, Bertha . . . . .	Hudson.
Hudson, Thiega . . . . .	Detroit.
Murray, Mildred . . . . .	Ypsilanti.
Rowley, Maud . . . . .	Mt. Clemens.
Savery, Katharine . . . . .	Ypsilanti.
Spencer, Mrs. Ella . . . . .	Ypsilanti.
Wilber, Minnie . . . . .	Ypsilanti.

*VIOLIN.*

Palmer, Carroll H. . . . .	Ypsilanti.
Smith, Frank C. . . . .	Ypsilanti.
Waterman, Miss . . . . .	Ypsilanti.



## NAMES OF STUDENTS.

### FIRST YEAR AND NINTH GRADE.

NAME.	COURSE.	RESIDENCE.
Atchison, Fred Emil	9th Grade.	Salem.
Allen, Una Belle	Kindergarten.	Cambridge.
Augustine, Lettie	Literary.	Fort Gratiot.
Anderson, Etta	5 yr. Cer.	Bear Lake.
Allen, Ella Mabel	Mus.	Ypsilanti.
Adams, Lottie Maud	Sh. Ger.	South Lyon.
Ableson, Mary Jane	Eng. Ger.	Plymouth.
Alban, Martha M.	Mus.	Willis.
Benedict, Olive	9th Grade.	Ypsilanti.
Brown, Sarah V.	9th Grade.	Escanaba.
Burke, Rose Ellen	9th Grade.	Ann Arbor.
Bassett, Emma Vie	9th Grade.	Novi.
Becker, Henry Albert	9th Grade.	Bridgewater.
Buell, Rena R.	Mus.	Union City.
Beadle, Nannie	Kindergarten.	Battle Creek.
Ballinger, Grace	Mus.	Fairmont, Ind.
Brown, George Edw.	5 yr. Cer.	Greenfield.
Barnard, Mary	Music.	Ironwood.
Bloss, Jessie Florence	5 yr. Cer.	Cadillac.
Barrett, Minnie May	5 yr. Cer.	Ridgeway.
Brown, Herbert G.	5 yr. Cer.	Potter Hill, N. Y.
Brown, Mary E.	5 yr. Cer.	Fort Gratiot.
Bieske, Augusta	Lat. Ger.	Detroit.
Buck, Lelia Florine	5 yr. Cer.	North Adams.
Blackmer, Bertha A.	5 yr. Cer.	North Adams.
Banks, Della	5 yr. Cer.	Novi.
Buchanan, Maude	5 yr. Cer.	Dexter.

NAME.	COURSE.	RESIDENCE.
Bowe, Lizzie Jane	Literary.	Watervleit.
Baker, Kate C.	Eng. Lat.	Greenville.
Beyschlag, Rose	Kindergarten.	St. Clair.
Benjamin, Fame H.	Eng. Ger.	Fowlerville.
Broesamle, Fred Augustus	Lat. Ger.	Carson City.
Blue, Mrs. Ella	Mus.	Ypsilanti.
Browning, Alice	Eng. Ger.	East Cohoctah.
Bell, Jane Milligan	5 yr. Cer.	Birmingham.
Bertke, Milton F.	5 yr. Cer.	Manchester.
Bragdon, Florence Lillian	5 yr. Cer.	Leland.
Benson, Earl Forest	Lit. Sci.	North Adams.
Burck, Pearl	Mus.	Galveston, Tex.
Boyden, Ralph Whiting	5 yr. Cer.	Saline.
Bird, Myra L.	Mus.	Gregory.
Bray, Louise Minnie	Mus.	Ypsilanti.
Bailey, Alice	Eng. Lat.	Pittsford.
Baker, Mabel Edna	Lit. Sci.	Carson City.
Blue, Pearl Alta	Mus.	Elm.
Bond, Charity A.	An. Cl.	London.
Burnett, Phoebe	5 yr. Cer.	Duncan.
Brown, Susie Aloysius	Lit.	Fort Gratiot.
Brown, Nellie Aloysius	Lit.	Fort Gratiot.
Brooks, Sarah Jane	Lit.	Republic.
Baker, Jessie Maria	Eng. Ger.	Springport.
Burt, Susan E.	5 yr. Cer.	Sandhurst.
Buell, Daisy Eugenia	Special.	Union City.
Bevins, John W.	Lat. Ger.	Leroy.
Bibbins, Carrie E.	5 yr. Cer.	Whittaker.
Bray, Bert Hayes	5 yr. Cer.	Ypsilanti.
Burt, Jessica S.	5 yr. Cer.	Sandfield.
Bushnell, Edna	5 yr. Cer.	Ypsilanti.
Brown, Flora Belle	Eng. Ger.	Belleville.
Begole, Delancey	5 yr. Cer.	Ypsilanti.
Begole, Philip	5 yr. Cer.	Ypsilanti.
Clark, Irving A.	Eng. Lat.	Corey.
Cooley, George D.	5 yr. Cer.	Ceresco.
Cleveland, Lena A.	5 yr. Cer.	Coldwater.
Crosby, Bertha Ina	5 yr. Cer.	Novi.

## STUDENTS.

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NAME.	COURSE.	RESIDENCE.
Crane, Carrie	5 yr. Cer.	Carleton.
Carey, Wm. D.	Sci.	Falcon.
Cromie, Mary Belle	5 yr. Cer.	Ypsilanti.
Cahow, Freeman C.	5 yr. Cer.	Reading.
Cogshall, Chas. Henry	Lit. Sci.	Sparta.
Cochrane, Frank B.	Eng. Lat.	Jackson.
Churchill, Fred M.	Lit. Sci.	Almont.
Collins, Olinda A.	Lat. Ger.	Blissfield.
Cook, Kittie Almira	5 yr. Cer.	Homer.
Cruikshank, Laura M.	Mus.	Lexington.
Cuningham, Florence	Lit. Sci.	Hamburg.
Cavanaugh, Alfonzo W.	5 yr. Cer.	London.
Chambers, Wm. E.	5 yr. Cer.	Ypsilanti.
Conley, Henry R.	5 yr. Cer.	Dexter.
Cullen, Mary Alice	Lit.	Hartland.
Chamberlain, Jay	5 yr. Cer.	Litchfield
Cundiff, Effie	Lat. Ger.	Ypsilanti.
Collins, Myrtie M.	5 yr. Cer.	Concord.
Cope, Milo	5 yr. Cer.	Traverse City.
Coon, Frank Henry	Eng. Lat.	Detroit.
Coats, John F.	Lit.	Joppa.
Clinton, Sylvester	5 yr. Cer.	Greenfield.
Clinton, John B.	5 yr. Cer.	Greenfield.
Corbin, Laurene	Mus.	Union City.
Clark, Jennie	5 yr. Cer.	Belleville.
Cole, Delbert	9th Grade.	Salem.
Childs, Addie Winifred	M. Cl.	Whittaker.
Carr, Gertrude	5 yr. Cer.	Anderson.
Childs, Edith Maria,	Mus.	Whittaker.
Clinton, Theresa	5 yr. Cer.	Greenfield.
Chambers, James Benj.	9th Grade.	Ypsilanti.
Curtis, Loie	9th Grade.	Commerce.
Cowan, Alexander	9th Grade.	North Street.
Diller, Herbert	9th Grade.	Ypsilanti.
Donovan, Frank	9th Grade.	Emery.
Davis, Minnie Belle	9th Grade.	Ypsilanti.
Dean, Phoebe Eva	5 yr. Cer.	Lansing.
Dexter, Donna L.	5 yr. Cer.	Milan.

NAME.	COURSE.	RESIDENCE.
Dodds, Hiram	5 yr. Cer.	North Branch.
Derbyshire, Gurney G.	5 yr. Cer.	Ypsilanti.
Deacey, Emma	Mus.	Evart.
Davis, Nannie	Lit. Sci.	Washington.
Dorman, Mary Ellen	5 yr. Cer.	Chester.
Daley, Jerry A.	5 yr. Cer.	Davison.
Davis, Lura	Mus.	Ypsilanti.
Drury, Clara	5 yr. Cer.	Ypsilanti.
Davis, Ashley Deland	5 yr. Cer.	Climax.
Donaldson, Leoline	Sci.	Saline.
Delaforce, Nellie Maude	Lat Ger.	Milan.
Douglas, Dwight J.	Lit. Sci.	Church's Corners.
Davis, Martha A.	5 yr. Cer.	Davisburg.
Dohany, Mary Theresa	5 yr. Cer.	Southfield.
Devero, Wm. Chas.	Lit.	Pinckney.
Drake, Theodore Thos.	Sci.	North Farmington.
Daley, Gertrude Anna	Kindergarten.	Ishpeming.
Edson, Eugene F.	Eng. Lat.	Ypsilanti.
English, Ruey H.	9th Grade.	Goodison.
Eddy, Lora M.	Lit.	Hodunk.
Earl, Bertha G.	5 yr. Cer.	Lyons.
Everett, Henry Tuttle	Sci.	Ypsilanti.
Elliott, Ina Chloe	Lat. Ger.	Ypsilanti.
Fox, Georgia Etta	Lat. Ger.	Ovid.
Farwell, Nellie	Mus.	Ypsilanti.
Farwell, Una	5 yr. Cer.	Ypsilanti.
Ferguson, Elbert W.	Eng. Lat.	Ypsilanti.
Fosdick, Linnie	5 yr. Cer.	Saline.
Ferguson, Myron C.	5 yr. Cer.	South Lyon.
Fillmore, Chas. D.	Eng. Ger.	Petersburg.
Flint, Wm. Delos	Lat. Ger.	Novi.
Frey, Amelia Isabel	Lit.	Bedford.
Fanning, Claude W.	5 yr. Cer.	Ceresco.
Greenfield, Frank W.	Lit. Sci.	Church's Corners.
Gillette, Ernest B.	Lit. Sci.	Stony Creek.
Gordon, Grace	5 yr. Cer.	Saline.
Gordon, Julia A.	5 yr. Cer.	Saline.
Green, James A.	Lit. Sci.	Deanville.

## STUDENTS.

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NAME.	COURSE.	RESIDENCE.
Gunn, Nora	5 yr. Cer.	Charlotte.
Goodrich, Francis Lee D.	M. Cl.	Ypsilanti.
Gardner, Ella Matilda	Sh. Ger.	Ypsilanti.
George, Austin, Jr.	9th Grade.	Ypsilanti.
Gauntlett, James W.	Eng. Lat.	Milan.
Geer, Inez Ardennes	9th Grade.	Ypsilanti.
Goodrich, Ralph Dickinson	9th Grade.	Ypsilanti.
Gareissen, Mrs. Helene	Mus.	Galveston, Tex.
Gareissen, Marie L.	Mus.	Galveston, Tex.
Gill, George	Sci.	Ypsilanti.
Greene, Jesse N.	5 yr. Cer.	Hadley.
Geiger, Elizabeth	5 yr. Cer.	Zurich, Ont.
Gillett, Reuben Alfred	5 yr. Cer.	Springport.
Hardy, Rose	Mus.	Ypsilanti.
Herrick, Belle	Mus.	Olivet.
Howard, Clifford G.	5 yr. Cer.	Litchfield.
Halsted, James B.	Sci.	Farmington.
Harris, Lyman	Eng. Ger.	Moscow.
Haner, Edna H.	Lit.	Rockford.
Hazard, Edith May	Mus.	Sharon, Ct.
Hatfield, Julia C.	5 yr. Cer.	Remus.
Harwood, Lizzie A.	Lit.	Brighton.
Hess, Genie Maurise	Lit. Sci.	Napoleon.
Hill, Matie C.	M. Cl.	Kline.
Hardy, Olive Louella	Lat. Ger.	Detroit.
Hill, Margaret Ellen	Kindergarten.	Frankfort.
Hamlin, Fred Fayette	Eng. Ger.	Duffield.
Hardy, Lura	Lit.	Camden, W. Va.
Holmes, Tillie	Mus.	Ypsilanti.
Hitchings, Nellie	5 yr. Cer.	Port Huron.
Hinkley, Louisa L.	5 yr. Cer.	Ypsilanti.
Howard, Jerome Walton	Eng. Lat.	Lansing.
Horne, Joseph L.	5 yr. Cer.	Richfield, Utah.
Houston, Bertha	Eng. Lat.	Marshall.
Hayes, Phebe M.	Kindergarten.	Munith.
Horner, Ned R.	5 yr. Cer.	Ypsilanti.
Hall, Grace Lee	9th Grade.	Ypsilanti.
Harris, Ruth S.	5 yr. Cer.	Otter Lake.

NAME.	COURSE.	RESIDENCE.
Howard, Nina May	9th Grade.	Ypsilanti.
Haynes, Luella S.	Kindergarten.	Ypsilanti.
Iden, Melvin L.	9th Grade.	Bedford.
Johnson, Alice E.	9th Grade.	Ypsilanti.
Johnson, Lavena	9th Grade.	Milan.
Jones, Mary Eliza	Mus.	Ortonville.
Johnson, Cora Ethel	5 yr. Cer.	Carleton.
Jaquith, Lillian A.	5 yr. Cer.	Benzonia.
Jensen, Peter Joseph	Sci.	Parowan, Utah.
Jackson, Addie	Mus.	Ypsilanti.
Kemp, Verner E.	An. Cl.	Union City.
Krumbach, Rose L.	5 yr. Cer.	Williamston.
Klett, Josephine C.	5 yr. Cer.	Whitehall.
Kishpaugh, Alice	5 yr. Cer.	Seymour Lake.
Knowles, Mattie	Lit.	Dundee.
Knowles, Anna E.	5 yr. Cer.	Azalia.
Kyle, William	Sh. Ger.	North Farmington.
Kimball, Katherine	Mus.	Alpena.
Knight, Albert E.	Lit.	Shiloh.
Kildea, Barnard	5 yr. Cer.	Corunna.
Lord, William S.	Lit.	Willis.
La Rowe, Addie Eliza	5 yr. Cer.	Webberville.
Lewis, Mabel	5 yr. Cer.	Allegan.
Linabury, Lillie May	5 yr. Cer.	Thomas.
Lowden, Alice M.	Mus.	Ypsilanti.
Loomis, Chester Brown	Eng. Ger.	Ypsilanti.
Leek, Eva	Mus.	Waterloo.
Lafler, Ellen L.	5 yr. Cer.	Dundee.
Lewis, Claude L.	Sci.	Ypsilanti.
Lawrence, Don J.	5 yr. Cer.	Ypsilanti.
Lawton, Charles T.	5 yr. Cer.	Dexter.
Mines, Grace Estella	5 yr. Cer.	Nunica.
Mellencamp, Frank J.	5 yr. Cer.	Grass Lake.
McEvoy, Nellie Geneva	5 yr. Cer.	Hopkins Station.
McGuire, Julia L.	5 yr. Cer.	Wixom.
Moorland, Frank	5 yr. Cer.	Hadley.
Marvin, Metta	5 yr. Cer.	Hartland.
Mast, Samuel O.	Eng. Ger.	Emery.

## STUDENTS.

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NAME.	COURSE.	RESIDENCE.
Morgan, Minnie E.	5 yr. Cer.	Ypsilanti.
Main, Annie	5 yr. Cer.	Bancroft.
Moots, Minnie	Mus.	Dewitt.
Moots, Tylla	5 yr. Cer.	Dewitt.
Miller, Nellie Isabel	5 yr. Cer.	Stockbridge.
Malcolm, Susie J.	5 yr. Cer.	Commerce.
Martindale, Kate	5 yr. Cer.	Kalkaska.
Moore, Alice E.	Lit.	Ypsilanti.
Mead, Eleanor	5 yr. Cer.	Tecumseh.
Miller, Sara Lodema	9th Grade.	Ypsilanti.
McKenna, Sadie	9th Grade.	Quinnesee.
McKenna, Frances	9th Grade.	Quinnesee.
Minnis, Mary Rose	9th Grade.	Ypsilanti.
Moore, Ella Jane	9th Grade.	Ypsilanti.
Merrill, Margaret E.	9th Grade.	Ypsilanti.
McGee, Anna M.	5 yr. Cer.	Brooklyn.
McDiarmid, Lester	Lit. Sci.	Bowne.
McDiarmid, Warren L.	Lit. Sci.	Bowne.
Moore, Bertha N.	Mus.	South Butler.
Mihlethaler, Darius	Eng. Ger.	Yale.
McCullough, Lewis C.	5 yr. Cer.	Shepardsville.
Mudge, Earl Victor	Lat. Ger.	Chesaning.
Minard, Frances E.	5 yr. Cer.	Rawsonville.
McCoy, Evah	Lit.	Pokagon.
McDonough, Mary J.	M. Cl.	Ypsilanti.
Milner, Georgia M.	Eng. Ger.	Detroit.
Mathews, Bertha W.	Eng. Ger.	Spring Arbor.
Norton, Raymond	Eng. Lat.	Parkville.
Nelson, Charles M.	5 yr. Cer.	Salem.
Nelson, Eugene H.	5 yr. Cer.	Salem.
North, Leon L.	5 yr. Cer.	Somerset Centre.
Nichols, Floyd H.	Sci.	North Farmington.
Noble, Hugh McIntyre	Eng. Ger.	Jeddo.
O'Connor, Mary	5 yr. Cer.	Millett.
O'Neill, Mary Alice	5 yr. Cer.	Roxana.
O'Brien, Frances	5 yr. Cer.	Kalamazoo.
Owen, Mary Alma	Kindergarten.	Bellevue.
O'Brien, Fannie	9th Grade.	Emery.

NAME.	COURSE.	RESIDENCE.
O'Brien, Minnie	9th Grade.	Emery.
Owen, Anna Belle	Kindergarten.	Pontiac.
Ostrander, Edwin J. F.	Sci.	London.
Pomeroy, Louise	Mus.	Ypsilanti.
Pierce, Ida	5 yr. Cer.	Ceresco.
Pierce, Alice Mary	Kindergarten.	Saline.
Price, Almeda M.	Lit. Sci.	Springport.
Pielow, Marion	Lit. Sci.	Dearborn.
Paton, Alice Armitage	Mus.	Liverpool, Eng.
Parent, Anna Phebe	5 yr. Cer.	Redford.
Paxson, Coral Belle	5 yr. Cer.	Three Oaks.
Pease, Frederic Irving	Mus.	Ypsilanti.
Parsons, Carl	Eng. Lat.	Devil's Lake.
Patterson, Jennie Belle	5 yr. Cer.	Cascade.
Parshall, Pearl	5 yr. Cer.	Hartland.
Partridge, Ernest D.	5 yr. Cer.	Provo City, Utah.
Parshall, Carrie	Mus.	Hartland.
Pennell, Helen Isabel	9th Grade.	Northville.
Pennell, Jessie Alice	9th Grade.	Northville.
Pomeroy, Anna	Eng. Ger.	Ypsilanti.
Price, Nellie Gertrude	5 yr. Cer.	Ravenna.
Redner, Mabel	Mus.	Ypsilanti.
Reinl, Allie Ella	5 yr. Cer.	Ypsilanti.
Ready, John S.	5 yr. Cer.	Carleton.
Rickett, Dwight D.	Lit. Sci.	Brighton.
Rorison, Helen Louise	5 yr. Cer.	Seneca Falls, N. Y.
Rowe, Alfred Thos.	9th Grade.	Woodmere.
Rorabacker, Emily	9th Grade.	Worden.
Ross, Belle	9th Grade.	Ypsilanti.
Roche, Richard D.	5 yr. Cer.	Anderson.
Richardson, Anna A.	5 yr. Cer.	Bradley.
Reithmiller, Paulina	9th Grade.	Stockbridge.
Richards, Mae Urania	Kindergarten.	Ypsilanti.
Rankin, Julia	Sh. Ger.	St. Clair.
Rowley, Ruby	5 yr. Cer.	Crystal Falls.
Rhodes, Earl N.	5 yr. Cer.	Saline.
Roys, Minnie	Mus.	Belleville.
Raymond, Saml W.	Mus.	Jasper.



## STUDENTS.

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NAME.	COURSE.	RESIDENCE.
Remington, May	Kindergarten.	Ypsilanti.
Simms, Chas. H.	5 yr. Cer.	Dexter.
Smith, Nellie M.	5 yr. Cer.	Eagle Harbor.
Severance, George	An. Cl.	Walled Lake.
Swick, Lena M.	Lit.	Milan.
Spencer, Grace D.	5 yr. Cer.	Petersburgh.
Sweet, Henrietta	5 yr. Cer.	Hudsonville.
Sherrard, Charles H.	5 yr. Cer.	Springville.
Stephenson, Georgia	Lit.	Ypsilanti.
Smith, Mildred S.	5 yr. Cer.	Ypsilanti.
Stall, Florence	5 yr. Cer.	Liberty.
Strang, Eugene	9th Grade.	Ypsilanti.
Savery, W. Ira	9th Grade.	Salem.
Sober, James Fred	9th Grade.	Salem.
Smith, Edward Arnold	5 yr. Cer.	Salem.
Spears, Ida May	5 yr. Cer.	Azalia.
Smith, Flota	Mus.	Ridgeway.
Sinclair, Frank E.	Lit. Sci.	Burnside.
Scoville, Laura E.	5 yr. Cer.	Ypsilanti.
Stover, Henry	Eng. Ger.	Bloomingtondale.
Sherman, Emma M.	Lit.	Redford.
Sager, Cora Drusilla	Mus.	Flowerfield.
Sawyer, Nellie Irene	5 yr. Cer.	Middleville.
Snyder, Frank D.	5 yr. Cer.	Jeddo.
Schuman, Mary Virginia	5 yr. Cer.	Greenville.
Saxton, Sylvia May	Lit. Sci.	Springport.
Shank, Albert	5 yr. Cer.	Yargerville.
Sweet, Chas. J.	Mus.	Ypsilanti.
Taylor, Blanche	Mus.	Tecumseh.
Thornton, Ona	5 yr. Cer.	Sherwood.
Townsend, Theodore	Lit. Sci.	Wacousta.
Tanner, Lora D.	5 yr. Cer.	Grand Ledge.
Tooze, Fred J.	Lit.	Bedford.
Thorp, Ira G.	Lit. Sci.	Hamilton.
Tooker, Herbert C.	Eng. Lat.	Bath.
Thompson, Genevieve L.	9th Grade.	Ypsilanti.
Tuttle, Laura Helen	M. Cl.	Ypsilanti.
Tupper, Inez Elrose	5 yr. Cer.	Ypsilanti.

NAME.	COURSE.	RESIDENCE.
Tucker, Ellen A.	Mus.	Ypsilanti.
Tripp, Ada Belle	5 yr. Cer.	Commerce.
Templeton, James W.	5 yr. Cer.	Marshall.
Todd, Mrs. Lucy	Mus.	Ypsilanti.
Turner, Benj. C.	Eng. Lat.	Michigan Centre.
Thayer, Lillie J.	5 yr. Cer.	Detroit.
Uren, Kate	5 yr. Cer.	Hancock.
Van Sickle, Henry George	5 yr. Cer.	Salem.
Vroman, Maude Celestia	9th Grade.	Ypsilanti.
Vorce, Grace	9th Grade.	Rawsonville.
Van Tassel, Cora B.	5 yr. Cer.	Quincy.
Van Buren, Della	Lit.	Ypsilanti.
Vleit, Clarence	Eng. Lat.	Clarkston.
Van Cleve, Nathaniel W.	Lit. Sci.	Ypsilanti.
Walworth, Edwin C.	Lit. Sci.	Moscow.
Wickham, Mrs. Mina	5 yr. Cer.	Nashville.
Ward, Edith Louise	5 yr. Cer.	Whitford Centre..
Willett, Adah	5 yr. Cer.	Ypsilanti.
Wheelock, Rose	Lit.	Saline.
Warner, Mabel Clare	Mus.	Ypsilanti.
Wortley, Rena	5 yr. Cer.	Ypsilanti.
Waterbury, Chas. E.	5 yr. Cer.	Quincy.
Welch, Edgar G.	Lit. Sci.	Clare.
Woodcox, Cornelius	Eng. Lat.	St. Joseph.
Whitfield, Henry O.	5 yr. Cer.	Waterford.
Whitwell, John	5 yr. Cer.	Jackson.
Webb, William Henry	5 yr. Cer.	Gilford.
Walker, Edith Mae	5 yr. Cer.	Tawas City.
Waterman, Olney A.	Eng. Lat.	Hudson.
Wood, Blanche	5 yr. Cer.	Clyde.
Woodard, Jennie	Sci.	Forest Grove..
Wadsworth, Fred E.	Mus.	Petersburg.
Whitcomb, Lemley	Eng. Lat.	Ypsilanti.
Whitbeck, Albert J.	Eng. Ger.	Battle Creek.
Wright, Garrett O.	5 yr. Cer.	Ypsilanti.
Weston, Lizzie	Eng. Lat.	Plank Road.
Wood, Mayme	Mus.	Ypsilanti.
Whitbeck, Lucius	5 yr. Cer.	Battle Creek.

## STUDENTS.

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NAME.	COURSE.	RESIDENCE.
Warner, Geo. Gill	Sci.	Ypsilanti.
Ward, Virgil M.	5 yr. Cer.	Stony Creek.
Younglove, Jessie	5 yr. Cer.	Raisinyille.
Ziegler, George	Lit.	Greenfield.

## SECOND YEAR.

The names of students taking a short course prescribed for graduates of approved High Schools, are marked thus \*.

Appling, Chas. E.	5 yr. Cer.	Bell Branch.
Armstrong, Edwin T.	Sci.	Adrian.
Allen, Elmer Cushman	Eng. Lat.	Ypsilanti.
Aiston, Robt. T.	5 yr. Cer.	Azalia.
Allen, Chas. Edward	Mus.	Hanover.
Benedict, Ada May	Eng. Ger.	Wacousta.
Blair, Bertha L.	5 yr. Cer.	Napoleon.
Bates, William H.	Lit. Sci.	Kalkaska.
Beach, Thirza	Lit. Sci.	Smith Creek.
Bauer, Mollie M.	5 yr. Cer.	David City, {Neb.
Burns, Rachel	5 yr. Cer.	Adamsville.
Bennett, Vernon S.	Lit. Sci.	Fenton.
Bowers, Estella Irene	Lit. Sci.	Ypsilanti.
Bassett, Florence L.	Mus.	Ironwood.
Bradshaw, Esther	5 yr. Cer.	Roseburg.
Bradley, Arthur	5 yr. Cer.	Clinton.
Buck, Charlotte	5 yr. Cer.	Ypsilanti.
Bentley, Ada E.	5 yr. Cer.	Eaton Rapids.
Bentley, Amy S.	5 yr. Cer.	Eaton Rapids.
Baldwin, Madison G.	5 yr. Cer.	Toledo, O.
Babbitt, Nancy P.	M. Cl.	Ypsilanti.
Burnett, Fred A.	5 yr. Cer.	Salem.
Babbitt, Edith Ione	5 yr. Cer.	Grayling.
Ball, Alice Helen	Lat. Ger.	Hamburg.
Burdick, Orion Lewis	Sci.	Crawford.
Brondige, John E.	5 yr. Cer.	Davisburg.
Barker, Hattie	5 yr. Cer.	Morley.
Burt, Bertha Belle	5 yr. Cer.	Concord.

NAME.	COURSE.	RESIDENCE.
Boyle, James G.	5 yr. Cer.	Carleton.
Barnum, Edna	5 yr. Cer.	Ypsilanti.
Block, William Henry	5 yr. Cer.	Whiteford Centre.
Brown, Forest B. H.	Lat. Ger.	Ypsilanti.
*Carleton, Ivah May	Kindergarten.	St. Clair.
Cope, Cora E.	5 yr. Cer.	Ypsilanti.
Coombs, Lotta C.	Mus.	Hillsdale.
Chapman, Almond B.	Sci.	South Rockwood.
Chapman, Washington	Sci.	Rockwood.
Cromie, Margaret	Kindergarten.	Ypsilanti.
Cookingham, De Lette	Lit. Sci.	Ypsilanti.
Carpenter, Elmer A.	5 yr. Cer.	Manton.
Campbell, Jennie L.	Eng. Ger.	Manchester.
Charbonneau, Maggie	5 yr. Cer.	Ypsilanti.
*Chappell, Neva A.	Kindergarten.	Milford.
Crawford, Daniel G.	5 yr. Cer.	Grant Station.
Crittenden, Amy	5 yr. Cer.	Ypsilanti.
Cleveland, Grace A.	Lit. Sci.	Coldwater.
Coverdale, George	Eng. Lat.	Mayville.
Cook, Moreland	5 yr. Cer.	Ypsilanti.
Campbell, M. Belle	Eng. Ger.	Martin.
Crittenden, Nettie	Mus.	Macon.
Creed, Mary	5 yr. Cer.	Centerville.
Camburn, Carrie	5 yr. Cer.	Macon.
Camburn, Florence	Mus.	Macon.
Diller, Morris	Sci.	Ypsilanti.
De Vee, Adaliza	Kindergarten.	London.
Dodge, Olive Mary	M. Cl.	Republic.
De Cew, Evelyn	Sh. Ger.	Ypsilanti.
Dexter, Lucy J.	5 yr. Cer.	Ypsilanti.
Dexter Mabel	5 yr. Cer.	Milan.
Dexter, Annis C.	5 yr. Cer.	Ypsilanti.
Derthick, Myrtie Belle	5 yr. Cer.	Ransom.
†Dodge, Susan C.	M. Cl.	Ypsilanti.
Drought, Louise	5 yr. Cer.	Port Huron.
Davis, Jennie A.	Lit.	Milford.
Ellworth, Florence	Eng. Ger.	Ypsilanti.

†Deceased.

## STUDENTS.

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NAME.	COURSE.	RESIDENCE.
Ellis, Rose	Eng. Ger.	Ypsilanti.
Ellsworth, Daniel	5 yr. Cer.	Ypsilanti.
Exelby, Elmer	Lit. Sci.	Deerfield.
Eldred, Edith M.	5 yr. Cer.	Quincy.
Elwell, Grace A.	Lit. Sci.	Leonard.
Forsythe, Lottie M.	5 yr. Cer.	York.
Fiske, Marion Josephine	Kindergarten.	Ypsilanti.
Farmer, Arthur E.	5 yr. Cer.	Walled Lake.
Foley, Mary D.	5 yr. Cer.	Petoskey.
Flint, Maude Alice	Lat. Ger.	Novi.
French, Helen	Eng. Lat.	Cassopolis.
Farnham, Jennie Belle	Lat. Ger.	Ypsilanti.
Furniss, Minnie Effie	Kindergarten.	Nashville.
Greenfield, Luella Grace	Eng. Lat.	Athens.
Gardner, Mary E.	Sh. Ger.	Ypsilanti.
Gleason, Frankie	Mus.	Hadley.
Green, Wm. A.	5 yr. Cer.	Belleville.
Gillette, Emma A.	5 yr. Cer.	Maple.
Gould, Raymond R. N.	Lit. Sci.	Carson City.
Gordon, Donald C.	5 yr. Cer.	Bell Branch.
Gordon, Spencer S.	5 yr. Cer.	Bell Branch.
Green, William Levi	5 yr. Cer.	North Farmington.
Grant, Alice E.	5 yr. Cer.	Traverse City.
Green, Clarence W.	An. Cl.	Hadley.
Gunnison, Bessie A.	5 yr. Cer.	Gunnisonville.
Hitchcock, Carrie	Mus.	Cass City.
Hill, Ada Benton	Kindergarten.	Saline.
Holmes, Bertha A.	5 yr. Cer.	Caseville.
Hemphill, Josephine M.	M. Cl.	Ypsilanti.
Hall, Edward J.	Sci.	Central Mine.
Hudson, Thirza	Mus.	Detroit.
Humphrey, Sara	Mus.	Cheybogan.
Henry, Myrtie A.	Lit.	Burlington.
Hovey, Frank D.	Lit.	Frankfort.
Hanford, May Evelyn	Lit.	Plymouth.
Hutson, Agnes Kay	Lit.	Calumet.
Hunt, Edith D.	Lit. Sci.	Bell Branch.
Hemingway, Ada Grace	Lit. Sci.	Hadley.

NAME.	COURSE.	RESIDENCE.
Jones, Vada Moore	Eng. Lat.	Ypsilanti.
Johnson, Edith M.	Eng. Ger.	Saline.
Johnson, Elva L.	Kindergarten.	Athens.
Jennings, Warner A.	Lit. Sci.	Benton Harbor.
Kemp, Orval A.	An. Cl.	Union City.
Kelly, Margaret J.	5 yr. Cer.	Ubley.
Kelly, Joseph	5 yr. Cer.	Ubley.
Kelly, Daniel	5 yr. Cer.	Ubley.
Kidder, Carrie Belle	Sh. Ger.	Reading.
Kropscott, Grace	Eng. Lat.	Overisel.
Kerry, Mary Alice	5 yr. Cer.	Chief.
Kurtz, Edith A.	Mus.	Genesee Village.
Lowry, S. Ellen	5 yr. Cer.	Norvell.
Lockwood, Lamont H.	Lit. Sci.	Petersburg.
Livingston, Chas. D.	Lat. Ger.	Bowne.
Lenhart, Barbara	5 yr. Cer.	Bridgman.
Leland, Joshua G.	Lit. Sci.	Emery.
Lathers, Adelbert E.	Eng. Lat.	Inkster.
Lawrence, Hattie K.	Eng. Ger.	Ypsilanti.
Miller, Bertha M.	Mus.	Palo.
Masten, Berta	Kindergarten.	Eldorado, Ohio.
McCracken, Nellie	5 yr. Cer.	Farmington.
Mallory, Dora	5 yr. Cer.	Blissfield.
Moore Grace	Kindergarten.	Ypsilanti.
McCracken, Arthur	5 yr. Cer.	Farmington.
McDonough, Margaret	M. Cl.	Ypsilanti.
Marvin, Arthur F.	5 yr. Cer.	Azalia.
Michel, Chas. B.	5 yr. Cer.	Ceresco.
Mead, Grace	5 yr. Cer.	Reading.
Mallison, Leona B.	5 yr. Cer.	Ferry.
McKay, Julia	5 yr. Cer.	Carleton.
McGuire, Joanna	5 yr. Cer.	Ypsilanti.
Mordoff, Lizzie	5 yr. Cer.	Belleville.
McAlpine, Schuyler C.	An. Cl.	Dowagiac.
McCaughna, Archie T.	Lit. Sci.	Byron.
McDougall, Mary B.	5 yr. Cer.	Ypsilanti.
McDonald, N. Meda	Sci.	White Pigeon.
McDonald, A. Della	Lat. Ger.	White Pigeon.

SUTDENTS.

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NAME.	COURSE.	RESIDENCE.
McDonald, Metta	Mus.	White Pigeon.
Nichols, Dollie	M. Cl.	Fowlerville
O'Keefe, Elizabeth	Kindergarten.	Grand Rapids.
Oberst, Kathreen	Mus.	Ypsilanti.
Olcott, Emma L.	5 yr. Cer.	Ypsilanti.
Pawson, Jennie Mae	Mus.	Ypsilanti.
Phillips, Hattie	Mus.	Ypsilanti.
Page, Reba B.	5 yr. Cer.	Ypsilanti.
Pulver, Lulu	5 yr. Cer.	Ypsilanti.
Pratt, Maude Ethelyn	Lit.	Oviatt.
Parsons, Archie A.	Mus.	Ypsilanti.
Parsons, Chester G.	Mus.	Ypsilanti.
Pattison, Flora	M. Cl.	Eustis, Fla.
Pitts, George Albert	Eng. Lat.	Rockford.
Parsons, Fred F.	Mus.	Ypsilanti.
Phillips, Mabelle	5 yr. Cer.	Kalamazoo.
Pierce, Pruda B.	5 yr. Cer.	Detroit.
Quackenbush, Edith A.	5 yr. Cer.	Dixboro.
Rowe, Anna	Lit.	Rawsonville.
Radford, Charles	5 yr. Cer.	Danville.
Rouse, Ellen Alma	Mus.	Sisseton Agency, S. D.
*Reed, Edith M.	Kindergarten.	Northville.
*Reed, Minnie A.	Kindergarten.	Northville.
Rowley, Ray DeWitt	Eng. Ger.	Cedar Rapids, Ia.
Smith, Alberta A.	5 yr. Cer.	Ypsilanti.
Smith, Nellie Edwina	An. Cl.	Ypsilanti.
Sherman, George Edwards	An. Cl.	Ypsilanti.
Sickles, Lura	Sh. Ger.	Schoolcraft.
Severance, Clara C.	5 yr. Cer.	South Lyon.
Swaine, Florence L.	M. Cl.	Ypsilanti.
Shearer, May	Mus.	Jackson.
Stevens, Grace B.	Mus.	Ypsilanti.
Savery, Catharine R.	Mus.	Ypsilanti.
Sisson, Perry L.	5 yr. Cer.	Imlay City.
Stewart, Thos. E.	Lit. Sci.	Lansing.
Straight, Henry E.	Lit. Sci.	Coldwater.
Savage, Eudora H.	5 yr. Cer.	Litchfield.
Skinner, Alice	Kindergarten.	Maple Rapids.

NAME.	COURSE.	RESIDENCE.
Smith, Emma Lozette	5 yr. Cer.	Sylvania, O.
Smith, Nora Amanda	Lit. Sci.	Plymouth.
Stewart, Nellie	5 yr. Cer.	Ypsilanti.
Shaw, Merry Louisa	Mus.	Ypsilanti.
Straight, Eunice A.	An. Cl.	Coldwater.
Sanford, Beryl Mabelle	Mus.	Ypsilanti.
Sage, Grace M.	Kindergarten.	Macon.
Swift, Mary E.	Mus.	Battle Creek.
Smith, Chas. E.	Sci.	Sand Hill.
Snidecor, Jennie M.	5 yr. Cer.	Ypsilanti.
Spokes, Agnes M.	5 yr. Cer.	Norvell.
Schermerhorn, Lizzie M.	Eng. Ger.	Reading.
Sterling, Katharine M.	Lat. Ger.	Ludington.
Stumpenhusen, Alma	Sh. Ger.	Ypsilanti.
Tretheway, Mabel	Lit.	Norway.
Travis, Mary L.	Eng. Lat.	Climax.
Trump, Minnie	5 yr. Cer.	Coldwater.
Tedman, Grace M.	Kindergarten.	Dixboro.
Turner, Edith	Eng. Ger.	Michigan Centre.
Van Buren, Carrie	Mus.	Dexter.
Van Dusen, Janet Young	Sci.	Ypsilanti.
Voorhies, Herbert L.	Lit.	Hartland.
Vester, William R.	5 yr. Cer.	Carleton Centre.
Whipple, Mabel F.	Lat. Ger.	Novi.
Wellman, Tena B.	Kindergarten.	Okemos.
Webb, Ottie Mae	Lit. Sci.	Ypsilanti.
Warner, Luna A.	5 yr. Cer.	Vermontville.
Walworth, Irving L.	Eng. Lat.	Moscow.
Wallin, Winifred	Mus.	Northville.
Weir, Cora	5 yr. Cer.	Austerlitz.
*Wortley, Myrtelle D.	5 yr. Cer.	Ypsilanti.
*Wilkins, Frances C.	Kindergarten.	Union City.
Williams, Bert H.	Sci.	Beacon.
Whidden, John C.	5 yr. Cer.	Vassar.
Wallace, Henry M.	Lit. Sci.	Hartland.
Weed, Millie L.	Eng. Lat.	Detroit.
Weed, Ethel M.	Eng. Lat.	Detroit.
Welch, Edna	5 yr. Cer.	Maybee.



## STUDENTS.

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NAME.	COURSE.	RESIDENCE.
Wilson, Alice M.	Lat. Ger.	North Aurelius.
Yost, Jesse J.	5 yr. Cer.	Fostoria, O.
Young, Arthur	Eng. Lat.	Birmingham.

## THIRD YEAR.

Allison, Jessie	5 yr. Cer.	Reed City.
*Alexander, Alice Wells	5 yr. Cer.	Toledo.
Aldrich, Nellie Florence	An. Cl.	Ludington.
Bockheim, Carrie	Sh. Ger.	Detroit.
Basney, Burton E.	5 yr. Cer.	Starrville.
*Blackmarr, Carolyn A.	Lit.	Duluth, Minn.
Benson, Arthur F.	5 yr. Cer.	Morrice.
Barber, Carrie Anna	Eng. Lat.	Richland.
*Baker, Kate Inez	Lit.	Wolf Creek.
Beach, Katharine	Music.	Kalamazoo.
Broad, Edith Christine	Eng. Lat.	Negaunee.
*Baty, Hattie Amelia	Lit.	Marshall.
Bush, Isabel Graham	Mus.	Battle Creek.
Browning, Minnie	Eng. Ger.	Osceola Centre.
Beurman, Eva Ella	Sh. Ger.	Duplain.
Babbitt, Alice L.	Mus.	Ypsilanti.
Briggs, Nettie Belle	Kindergarten.	Vicksburg.
Bartlett, Winifred Edith	5 yr. Cer.	Plymouth.
*Bates, Fronia	Kindergarten.	Jackson.
*Bailey, Ella Melissa	5 yr. Cer.	Grand Rapids.
*Coddington, Ralph Waldo	5 yr. Cer.	Union City.
Case, Willis Elmer	5 yr. Cer.	York.
Canright, Alice Blanche	5 yr. Cer.	Joppa.
*Cochrane, Mary Edith	5 yr. Cer.	Jackson.
*Carlisle, Maude	M. Cl.	Ypsilanti.
Cope, Franklin L.	5 yr. Cer.	Ypsilanti.
Crippen, Carrie	Mus.	Ypsilanti.
*Chapel, Rosa Belle	5 yr. Cer.	Grand Blanc.
*Cole, Blanche Alene	5 yr. Cer.	Muir.
Chaffin, Fannie	5 yr. Cer.	Morrice.
*Case, Edith M.	Sci.	Manchester.

NAME.	COURSE.	RESIDENCE.
*Creagan, Anna M.	5 yr. Cer.	Decatur.
Colby, Rose	5 yr. Cer.	Ypsilanti.
Chase, Mary Pauline	Kindergarten.	Otsego.
Clark, James E.	Eng. Lat.	Milan.
*Chapel, Winnie May	5 yr. Cer.	Grand Blanc.
Comstock, Emilie	Lat. Ger.	Ypsilanti.
*Duckering, Ina J.	5 yr. Cer.	Highland Station.
*Dean, Ralph Benedict	5 yr. Cer.	Westonville.
*Douglass, Lola E.	5 yr. Cer.	Paw Paw.
Drake, Bertha	Eng. Lat.	Weston.
Delaforce, Annie Edith	Lit. Sci.	Milan.
Diller, Harriet	Lat. Ger.	Ypsilanti.
Dickerman, Anna Louise	5 yr. Cer.	Lansing.
Dansingburg, Frederic J.	Mus.	Stony Creek.
*Davis, Grace B.	Eng. Lat.	Mobile, Ala.
Dickinson, Mary Andrews	Mus.	Ypsilanti.
*Daley, Hiram C.	5 yr. Cer.	Shepardsville.
Dean, Julia A.	Lit.	Oak Grove.
Evans, Frank L.	Eng. Lat.	Ypsilanti.
Ellsworth, George H.	Sh. Ger.	Ypsilanti.
Eldridge, Jessie Adelle	Lit.	Adrian.
*Erbelding, Elizabeth M.	5 yr. Cer.	Marquette.
Eadus, Lillian	5 yr. Cer.	Whitehall.
Elwell, Effie Gene	5 yr. Cer.	Leonard.
*Fraser, Maude	Lit.	Ypsilanti.
Foley, Jessie C. H.	Lat. Ger.	Ypsilanti.
Fiske, Lillian May	Mus.	Ypsilanti.
*Frasier, Cora L.	5 yr. Cer.	Metamora.
*Gibson, Louise May	Kindergarten.	Champion.
Geoghan, Blanche	Sci.	Ypsilanti.
Gordon, Grant Werden	5 yr. Cer.	Bell Branch.
Goss, Etta C.	Lit. Sci.	Otsego.
*Gaw, Byrdie Anna	Eng. Ger.	Union City.
Granville, Verona Ewen	Sh. Ger.	Benton Harbor.
Gore, Susan Ruth	Eng. Ger.	Ypsilanti.
*Gilbert, Evelyn	5 yr. Cer.	St. Clair.
*Grierson, Margaret May	5 yr. Cer.	Calumet.
Gross, Matilda Louisa	Kindergarten.	Manistee.

## STUDENTS.

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NAME.	COURSE.	RESIDENCE.
*Gribble, Phoebe	5 yr. Cer.	Red Jacket.
George, Hattie Louise	Lat. Ger.	Ypsilanti.
*Glass, Ida May	Kindergarten.	Cadillac.
Goodison, Bertha	M. Cl.	Ypsilanti.
Geer, Winifred M.	Lit. Sci.	Dansville.
*Haynes, Walter S.	Lit. Sci.	Ypsilanti.
Haskins, Carrie Anabel	Kindergarten.	Bronson.
Holmes, Marion	Lit.	Ypsilanti.
*Hyder, Alice	Lit. Sci.	Plainwell.
Hall, Minnie Olivia	Eng. Lat.	Duplain.
*Haines, Ida May	Kindergarten.	Olivet.
Harris, Grace Louise	5 yr. Cer.	Cadillac.
Harlow, Lelia	Mus.	Coldwater.
*Hyde, Mary Olivia	5 yr. Cer.	Coldwater.
Hay, Caroline	Lat. Ger.	Ypsilanti.
Haight, Effie M.	5 yr. Cer.	Milan.
*Hughes, Mary Curran	5 yr. Cer.	Calumet.
Hooper, Harriet	Sh. Ger.	Caro.
Holland, Rupert	5 yr. Cer.	Seward, O.
Holmes, Estella	Lit. Sci.	Ypsilanti.
Hawkins, Nellie	5 yr. Cer.	Oscoda.
*Hollister, Alice Maude	Lit. Sci.	Lake Linden.
Howe, Emery D.	Eng. Lat.	Milan.
Higgins, Jay P.	5 yr. Cer.	Dailey.
Howard, Benj. F.	Eng. Lat.	Ypsilanti.
*Hawley, Esther de Reimer	Kindergarten.	Oscoda.
*Healey, Mollie	Lit.	Hancock.
Hyser, Frank H.	5 yr. Cer.	Austerlitz.
Hopkins, Frances Emily	An. Cl.	Ludington.
Holbrook, Lemuel G.	An. Cl.	Duplain.
Hunter, Irving Benj.	An. Cl.	Ypsilanti.
*Hall, Grace Sullivan	5 yr. Cer.	Union.
*Isaacsen, Anna, Elizabeth	5 yr. Cer.	Hancock.
Ingersoll, Julia L.	Mus.	Dundee.
*Ives, Sarah Adelia	5 yr. Cer.	Coldwater.
Johnson, Henry Elmer	Lit. Sci.	Saline.
Jenness, Laura S.	Mus.	Ypsilanti.
Jagger, Louise	5 yr. Cer.	Victory.

NAME.	COURSE.	RESIDENCE.
*Jackson, Alberta Eugenia	Kindergarten.	Greenland.
*James, Jennie	5 yr. Cer.	Calumet.
*Kittell, Willet E.	5 yr. Cer.	White Pigeon.
*Kinsman, Mary Vivian	Kindergarten.	Beacon.
*Kerredge, May M.	Kindergarten.	Hancock.
*Kirker, Mattie	5 yr. Cer.	North Newburg.
Kimmell, William L.	Sci.	Ypsilanti.
Kelb, Susan	5 yr. Cer.	Union.
Lappeus, Addie	5 yr. Cer.	Ypsilanti.
Ludwig, William A.	Eng. Lat.	Ypsilanti.
Long, Kittie E.	Sh. Ger.	Lansing.
Langston, Isabella	Lit. Sci.	Detroit.
Lownsbury, Nellie	5 yr. Cer.	Ypsilanti.
Loveland, Elwin O.	5 yr. Cer.	Milan.
*Lee, Cora May	5 yr. Cer.	Lowell.
Moore, Harry	Lat. Ger.	Ypsilanti.
Marvin, Albert Charles	5 yr. Cer.	Azalia.
*Metcalf, Nettie V.	Kindergarten.	Sand Hill.
Murdock, Albert H.	5 yr. Cer.	Berne.
*McDonnell, Lizzie	Lit.	Hancock
*Marble, Stella May	Lat. Ger.	Marshall.
*McCloskie, Carrie	An. Cl.	Lapeer.
McDougall, Anna	Lit. Sci.	Ypsilanti.
*Mack, Amelia	M. Cl.	Niles.
McFetridge, Mary Eliza	Kindergarten.	Ida.
Morse, John	5 yr. Cer.	Bay City.
McMullen, Nettie	Sci.	York.
Mackinder, Milo	5 yr. Cer.	Dansville.
McCutcheon, Herbert E.	Eng. Lat.	Marysville.
McKinley, Chas. Robt.	5 yr. Cer.	Centreville.
McNicol, Jeanie	Lat. Ger.	Ypsilanti.
*Mosher, Clare D.	5 yr. Cer.	Centreville.
*Muenscher, Josephine	5 yr. Cer.	Manistee.
Newcomb, Amy A.	Eng. Lat.	Marcellus.
Norgate, Frances Alice	5 yr. Cer.	Duplain.
Norton, Charles Hardy	Sci.	Hudson.
Orcutt, Rose Helena	M. Cl.	South Butler.
Post, Gardner A.	5 yr. Cer.	Belmont.

## STUDENTS.

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NAME.	COURSE.	RESIDENCE.
Pease, Ruth C.	Mus.	Ypsilanti.
Parsons, Sara Attilia	Lat. Ger.	Ypsilanti.
Parsons, Gertrude L.	Mus.	Ypsilanti.
Peterson, Josie	5 yr. Cer.	Charlevoix.
Pickett, Mary M.	5 yr. Cer.	Leslie.
Pickett, Lulu E.	Eng. Lat.	Leslie.
*Pope, Libbie	Kindergarten.	Calumet.
*Pope, Louise	Kindergarten.	Calumet.
*Palmer, Dora Rebecca	5 yr. Cer.	Grand Blanc.
*Palmer, Nellie A.	5 yr. Cer.	Grand Blanc.
*Rogers, Anna A.	5 yr. Cer.	Oscoda.
Rowley, Adaline Whitney	Lat. Ger.	Cedar Rapids, Ia.
Richart, Franc A.	5 yr. Cer.	Macon.
Ross, Mrs. Anabel Hess	Kindergarten.	Benton Harbor.
Smith, William A.	An. Cl.	Denton.
*Sherman, Mildred Amanda	Kindergarten.	Cassopolis.
Shaw, Inez Philena	5 yr. Cer.	Litchfield.
Seeley, Mary Ellen	5 yr. Cer.	Climax.
Steele, Frank N.	Sci.	Farmington.
*Sweeting, May L.	5 yr. Cer.	Ypsilanti.
*Southgate, Helen Anderson	Sci.	Detroit.
Stocking, Cora D.	Sci.	Stockbridge.
Smith, Frank C.	Mus.	Ypsilanti.
Severance, Lucy	Kindergarten.	Novi.
Savage, Nettie M.	5 yr. Cer.	Cassopolis.
Sturdevant, Minnie L.	5 yr. Cer.	Grand Ledge.
Stewart, Bert Edward	Sci.	Scofield.
Smith, Mabel Wiloughby	Lat. Ger.	Niles.
*Smith, Grace A. C.	5 yr. Cer.	Grand Rapids.
*Simpson, Mary A. S.	5 yr. Cer.	Grand Rapids.
*Sattler, Thos. Martin	5 yr. Cer.	Charlotte.
*Smith, U. Addie	5 yr. Cer.	Flint.
Simmons, Belle	5 yr. Cer.	Alpena.
Starks, Lily Azella	Lit.	Marshall.
Sill, Joseph	An. Cl.	Ypsilanti.
Torrey, Susie M.	5 yr. Cer.	Armada.
Travis, Ora	An. Cl.	St. Johns.
Thomas, Christine	Lit.	Hancock.

NAME.	COURSE.	RESIDENCE.
Temple, Fern F.	5 yr. Cer.	Tecumseh.
Tuttle, Lynn J.	5 yr. Cer.	Ypsilanti.
Tiffany, Minnie	5 yr. Cer.	North Adams.
Thompson, Tinnie	5 yr. Cer.	Saranac.
Tuttle, Kate M.	Kindergarten.	Kalamazoo.
Titus, Winnie Alma	Kindergarten.	Ypsilanti.
Taggart, Mary Agnes	5 yr. Cer.	Ionia.
Tower, Ward	5 yr. Cer.	Grand View.
Tomlinson, John A.	An. Cl.	Sunfield.
Ulrich, Mamie	5 yr. Cer.	Ceresco.
Urban, Adelaide J.	Lit. Sci.	Blissfield.
*Vanneter, Pearl	Kindergarten.	Williamston.
*Vanneter, Merritt C.	5 yr. Cer.	Williamston.
Vandeburg, Frank H.	Eng. Lat.	Wisner, Nebr.
Vogt, Fannie	Mus.	Richmond.
Walker, Willetta M.	Mus.	Dansville.
*Wells, Jennie	5 yr. Cer.	Oak Grove.
Williams, Grace B.	5 yr. Cer.	Kent City.
Wilber, Minnie	Mus.	Ypsilanti.
Walsh, Millie Weltha	5 yr. Cer.	Bismarck.
Waltz, Mabel	Eng. Ger.	Waltz.
Wood, Mary Wilhelmina	5 yr. Cer.	Luther.
Wilcox, Felix Eugene	Eng. Lat.	Addison.
Williams, Roy E.	5 yr. Cer.	Sturgis.
Wilber, Berte D.	Lit. Sci.	Ypsilanti.
*Wood, Lizzie Meir	5 yr. Cer.	Sand Beach.
*Wood, Chas. L.	5 yr. Cer.	Quincy.
*Weir, Henrietta E.	Lit.	Manchester.
Waring, Chas. W.	An. Cl.	West Sebewa.
*Whitlock, Lucy E.	Lit. Sci.	Wacousta.
*Willett, Flora	Kindergarten.	Ypsilanti,
*Williams, Daisy Maria	Lit. Sci.	Beacon.
*Winches, Grace Greenwood	5 yr. Cer.	Spring Arbor.

## FOURTH YEAR.

Angevine, Frank Eugene	An. Cl.	Cadillac.
Adams, George Herbert	Lat. Ger.	Sault Ste. Marie.

## STUDENTS.

103

NAME.	COURSE.	RESIDENCE.
Banks, Rush	Lit. Sci.	Novi.
*Buell Bertha Grinnell	Lit.	Ann Arbor.
Bennett, Philip Albert	Eng. Lat.	Norway.
Bullard, E. Mae	Lit.	Coldwater.
Blue, Peter B.	Sci.	Ypsilanti.
Briggs, Altavene May	Sh. Ger.	Saline.
Brown, Alice L.	Sci.	Ypsilanti.
*Beal, Minnie	Lit.	Northville.
Brown, Wells Goodhue	Sh. Ger.	Breedsville.
Bellinger, Fred	Lit. Sci.	Mt. Pleasant.
*Cook, Clara M.	M. Cl.	Cadillac.
Cramer, Wm. D.	Lit. Sci.	Sparta.
Creasey, Frank	Eng. Lat.	Three Rivers.
Cowgill, Paul A.	Lit. Sci.	Cassopolis.
*Davis, Adell	Lit. Sci.	Jackson.
Dewey, Adaline Frances	Eng. Ger.	Toledo, O.
Dasef, Alem W.	Sci.	Sheridan.
Foote, Jay Bradley	Sh. Ger.	Charlotte.
Frary, Blanche E.	Lit. Sci.	Leslie.
Farmer, Sara Louise	Eng. Ger.	Benton Harbor.
Griffin, Etta M.	Lit. Sci.	Mt. Salem.
Gangnuss, Heinrich W.	Lit. Sci.	Brighton.
George, Grace Anette	Lat. Ger.	Ypsilanti.
Green, Fred W.	Lit. Sci.	Cadillac.
Goodrich, Ernest P.	Sci.	Ypsilanti.
Hall, Emilie Cornelia	Lit., Sh. Ger.	Ypsilanti.
Harris, Mrs. Frances Mary	Eng. Lat.	Ypsilanti.
Hathaway, Maude C.	Eng. Lat.	Blissfield.
Hall, Grace	Lat. Ger.	Ypsilanti.
Heath, Stella L.	Sh. Ger.	Hastings.
*Harshbarger, Minnie A. S.	Sci.	Henderson.
*Houtz, Bertha A.	Lit. Sci.	Hillsdale.
Harris, Harley	Lit. Sci.	Tompkins.
Harrington, Frank J.	Eng. Lat.	Parma.
Holbrook Emma Mabel	M. Cl.	Ypsilanti.
*Harris, Katharine Wright	Lit.	Port Huron.
*Kenyon, Hattie Loretta	Lit.	St. Johns.
Langford, Theron Sparhawk	Sh. Ger.	Williamston.

NAME.	COURSE.	RESIDENCE.
Lathers, J. Stuart	Eng. Lat.	Inkster.
Lynch, Alice	Lit.	Detroit.
*Looney, Katharine M.	Lit. Sci.	Hancock.
Martin, Lawrence T.	Sci.	Ypsilanti.
McNeil, Mary	Lit.	Pontiac.
McLaughlin, Owen M.	Lit. Sci., Kn.	Ypsilanti.
*Murphy, Katharine	Lit. Sci.	Hancock.
McDougall, Hugh D.	Sci.	Grand Rapids.
Marshall, Berthena M.	Lit. Sci.	Morenci.
Norton, Helen A.	Eng. Lat.	Hudson.
*O'Grady, Margaret	Lit.	Houghton.
Osband, Marna Ruth	An. Cl.	Ypsilanti.
O'Connell, Nellie Belle	Lit.	Montague.
Pattison, Minnie	Lit. and Kn.	Eustis, Fla.
Probst, Albert F.	5 yr. Cer.	Union.
Pomeroy, Esther C.	Lit. Sci.	Ypsilanti.
Paton, Thos. W.	Eng. Lat.	Almont.
Phillips, Memie	An. Cl.	Ypsilanti.
Putnam, Virginia R.	An. Cl.	Kalamazoo.
Ryder, Edward Hildreth	Eng. Lat.	Northville.
Romine, Frank E.	Lit. Sci.	Waltz.
Robinson, Gertrude Arvilla	Lit. Sci.	Mt. Pleasant.
Sweet, Milo Jasper	Lit. Sci.	Worden.
Sherwood, Angie	An. Cl.	Bellevue.
Smith, Burton Everett	Sci.	Denton.
Stegenga, Derk	Eng. Ger.	New Holland.
Savage, Paul H.	Sci.	Cassopolis.
Stoffer, John Edward	Sh. Ger.	Williamston.
*Smith, Theresa A.	Lat. Ger.	Detroit.
Stuart, Edith Russell	Eng. Lat.	Union City.
*Sibley, Anna Daisy	Lat. Ger.	Birmingham.
Smith, Berton Benj.	Lit. Sci.	Okemos.
Thomson, Nellie	Eng. Lat.	Union City.
*Thompson, Helen Mabel	Eng. Ger.	Northville.
*Thomson, Mary E.	Lit. Sci.	Union City.
Uren, Daisy	Lit.	Crystal Falls.
Van Buren, Dennis C.	Lit. Sci.	Dexter.
Walsh, Hattie Clarinda	Lit.	Charlotte.



## STUDENTS.

105

NAME.	COURSE.	RESIDENCE.
*Webster, Mrs. Nonette	Lit.	Berrien Springs.
Webster, Estauce Eugene	Sci.	Berrien Springs.
*Wilson, Florence	Lit.	St. Johns.
Wilkerson, Nora Dell	Lit. and Kg.	Dundee.
Wetmore, Lena	Lit. Sci.	Concord.
Whitehead, Richard Ayres	An. Cl.	Benton Harbor.
Wilcox, Willis H.	Eng. Lat.	Elva.
*Withington, Myron J.	An. Cl.	California.
*Weber, Matthias	Sci.	St. Joseph.
Walker, Bella Jane	Lit. Sci.	Atlantic Mine.
Zimmerman, Cornelia	Mus.	Galien.

## SPECIAL.

Clements, Caroline	Kindergarten.	Detroit.
Cowan, Helen	Special.	North Street.
Davis, Norman M.	Special.	Grass Lake.
Edgar, Thos. Oscar	Special.	Prince Albert, Ont.
Hayden, Edwin A.	Special.	Union City.
Horton, Nellie M.	Special.	Greenville.
Hills, Mary L.	Special.	Battle Creek.
Miller, Agnes C.	Special.	Schoolcraft.
Quackenbush, Alice	Special.	Ypsilanti.
Rowley, Maud	Special.	Mt. Clemens.

## COURSE FOR COLLEGE GRADUATES.

Marshall, Frank C.,	-	-	-	South Haven.
McIntosh, Emily L.	-	-	-	Detroit.

## POST GRADUATES.

Andrews, Frank E.,	-	-	-	Coldwater.
Allen, Cora Belle,	-	-	-	Ypsilanti.
Barnard, Martha	-	-	-	Ypsilanti.

NAME.	RESIDENCE.
Barr, Alice, - - -	Stony Creek.
Babbitt, Nora Campau, - - -	Ypsilanti.
Dickinson, Sara Gardner, - - -	Ypsilanti.
Gilmore, Elizabeth, - - -	Ypsilanti.
Hazard, Eleanor S., - - -	Centreville.
Murray, Mildred, - - -	Ypsilanti.
Peyton, Elizabeth Blanche, - - -	Ypsilanti.
Woodard, Gertrude Elstner, B. Pd., -	Ypsilanti.

## ENROLLMENT, 1892-93.

Normal Department,	-	-	-	-	-	937
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Of the above number the following were also enrolled  
as pupils in the Conservatory of Music :

Voice Department,	-	-	-	-	72
Piano,	-	-	-	-	64
Organ,	-	-	-	-	9
Violin,	-	-	-	-	3
					<u>148</u>

Deduct counted twice,	-	-	-	-	23
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					<u>125</u>
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Training School—

Kindergarten,	-	-	-	-	47
1st Grade,	-	-	-	-	49
2d Grade,	-	-	-	-	40
3d Grade,	-	-	-	-	41
4th Grade,	-	-	-	-	49
5th Grade,	-	-	-	-	40
6th Grade,	-	-	-	-	37
7th Grade,	-	-	-	-	45
8th Grade,	-	-	-	-	40

Deduct Transfers,	-	-	-	-	70
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					<u>388</u>
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					<u>70</u>
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					<u>318</u>
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Total Enrollment,	-	-	-	-	1255
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## GRADUATING CLASS, 1892.

*THREE YEARS' COURSES.*

## LEADING TO A FIVE YEARS' CERTIFICATE.

Atherton, Marvin Melville	Lawrence, Minnie Blanche
Allen, Eugenie	Lickley, Nora May
Allen, Fannie Irene	Little, Lucy Ellen
Allen, Fred	Linderman, Wm. Henry
Abernathy, Eva Belle	Mann, Retta
Andrews, Nanie	McGillis, Eliza
Bassett, Edith	Murner, Eliza
Baldwin, Carrie	Metz, Maud Alice, Kindergarten.
Boice, Ethelyn Lenore	Mauzy, Grace Evelyn, Kindergarten
Barber, Robert Elihu	Myhrs, Jennie Pauline
Barnhart, Edwin Ayres	Parker, Kittie
Blackburn, Hattie S.	Pierce, Ella Louise
Bristol, Orion Loren	Pierce, Jessie Emily
Bentley, Bertha M., Kindergarten.	Phillips, Lulu May
Brown, Clark Lester	Pomeroy, Esther Curtis
Bellinger, Fred	Pardee, Belle
Camp, Jessie	Putnam, William S.
Card, Ada M.	Richardson, DeWitt
Cady, Guy V. Lloyd	Riopelle, Nellie, Kindergarten.
Crittenden, Zena Blanche	Robson, Antoinette Estelle
Connell, Mary	Roe, Abbie
Covert, Georgia Lois May	Richmond, Cunningham
Castell, Daniel G.	Rogers, Louise
Carpenter, Florence, Kindergarten.	Robinson, Winnie J.
Cady, Harriet Adella	Shearer, Mary
Cromie, Elizabeth Martin	Shafer, Frederic Daniel
Dailey, Margaret A.	Stewart, Linnie Maria
Davis, Lucia Adell	Sheldon, Florence E., Kindergarten.
Earl, Bessie Aurora	Sawyer, Myrtle, Kindergarten.
Efferts, Lizzie Belle	Sickels, Mae Zerepha, Kindergarten.
Foote, Lucy Ellen	Slayton, Ada May, Kindergarten.
Ferguson, Lottie A.	Southwell, Maud Lena, Kindergarten.
Graham, Laura Richie	Spencer, Ella Mae

Gregor, Benjamin	Tanner, Belle
Garner, Minnie	Travis, J. Bertrand
Gardner, Altabel	Thompson, Martha A.
Goodrich, Ida Sarah	Trask, Mabel, Kindergarten.
Howell, Viva Amelia	Ulber, Margaret C.
Hardy, Caroline S. Weed	Vreeland, Chas. Frank
Hastings, Marthana Elizabeth	Vorenkamp, Etta
Hayman, Frank D.	Wait, Louis E.
Howell, John Chambers	Wetherbee, John A.
Jamieson, Eva Harriet	Waldron, Adah, Kindergarten.
Josenhans, Rheinhold Julius	Wolf, Flora Evelyn
Kingan, Mary Agnes, Kindergarten.	Warner, Minnie Dell, Kindergarten.
Kinney, Laura Margaret	Wetmore, Bess Harriet
Keating, Rose A.	Warren, Frank E.
Loomis, Grace Amanda	

*FOUR YEARS' COURSES.*

## LEADING TO A LIFE CERTIFICATE.

Allen, Cora Belle, Lit. Sci.	Miller, Flora Belle, Lit. Sci.
Andrews, Frank Eugene, Lit. Sci.	Mosher, Edith Rose, Lit. Sci.
Andrews, Mark Seeley, Lit. Sci.	Merritt, Jessie Maude, Lit. Sci.
Arthur, Frank Edward, Sci.	Moorman, Bertha Ethel, Lit. Sci.
Bovee, Mary Edith, Eng. Lat.	McMichael, Mary Agnes, Lit. Sci.
Bendit, Eva, Lit. Sci.	McConnell, Frances Marian, M. Cl.
Babbitt, Nora Campau, Music.	Nicholson, Judd Bradley, An. Cl.
Beardsley, Bessie Clark, Lit. Sci.	Nelson, Nettie Blanche, Lit. Sci.
Briggs, Flora Belle, Sh. Ger.	Prall, Satie Elma, Lit. Sci.
Beers, Nelson Burr, Eng. Lat.	Peyton, Elizabeth B., Kn., Lit. Sci.
Coates, Minnie Elizabeth, Lit. Sci.	Paulin, Anna M., Sh. Ger.
Crittenden, Clifford Darwin, An. Cl.	Prudden, Helen Anna, Sh. Ger.
Curtis, Carrie Edith, Lit. Sci.	Prudden, Adah Juliet, Lit. Sci.
Carr, Etta Mae, Lit. Sci.	Pease, Rubie Walstiena, Lit. Sci.
Carnahan, Lydia Loreine, Lat. Ger.	Rieman, John Frederic, Lit. Sci.
Camp, Elvira Loveridge, Lat. Ger.	Rouse, Grace Amine, Lit. Sci.
Curtis, Charles Wesley, Eng. Lat.	Romine, John Wesley, Lit. Sci.
Culver, Hattie, Lit. Sci.	Randall, Minnie Elmina, Lit. Sci.
Dickinson, Sara Gardner, M. Cl.	Stuart, Mary Belle, Eng. Lat., Mus.
Durfee, Stephen, Sci.	Stuart, Mary A., Sh. Ger.
Eddy, Alice May, Eng. Lat.	Sigerfoos, Belle, Eng. Ger.
Ford, Arthur Homer, Lit. Sci.	Snowden, Harry H., Lit. Sci.
Glover, Elizabeth Emma, Lit. Sci.	Sherman, Jennie A., Lit. Sci.
Glanville, Daisy, Lit. Sci.	Smith, Ida Agnes, Lit. Sci.
Gibson, Marjory, M. Cl.	Shetterly, George Andrew, Lit. Sci.
Gilmore, Elizabeth Graves, Lit. Sci.	Smith, Cora Melissa, Lit. Sci.

Gray, Margaret Campbell, Eng. Lat	Tanner, Mary, Lit. Sci.
Gorton, Frederic R., Sci.	True, Myra Belle, Lit. Sci.
Hardy, Caroline Adelaide, Sci.	Taylor, Nettie Elzadie, Lit. Sci.
Hoffman, Oscar Ward, Lit. Sci.	Voorhees, Herbert Sebring, An. Cl.
Horrigan, Mary, M. Cl.	Voorhees, Delphine S., Eng. Ger.
Holloway, Ross L., Lit. Sci.	Vandandaigue, Arzelie, Lit. Sci.
Hazard, Eleanor Samantha, Lit. Sci.	Voorhies, George Oscar, Lit. Sci.
Hinkley, Mary Belle, Lit. Sci.	Walker, Margarette Alice, Sh. Ger.
Lincoln, Minnie Maud, Lit. Sci.	Wimer, Milton W., Sci.
Lovell, Mary-Elizabeth, Lit. Sci.	Wallace, James Henry, Lit. Sci.
Millis, Mrs. Mary Lockwood, Kn.	Woodard, Gertrude E., M. Cl., Lit. Sci.
Marshall, William, Sci.	

**DEGREE OF BACHELOR OF PEDAGOGICS.**

Bronson, Jay Jones, M. S.	McMahon, Lois A.
Brown, Alice	Nardin, Eugene C., B. Ph.
Brooks, Stratton D.	Paton, Annie A.
De Barr, Edwin, B. S.	Putnam, Mary Burnham, B. Ph.
De Witt, Alton D.	Smith, Clarence E., M. S.
Grawn, Charles T.	Trowbridge, Perry F.
Lightbody, William, B. S.	Woodard, Gertrude Elstner

## PROGRAM OF RECITATIONS AND EXERCISES, 1893-94.

## FIRST TERM.

Names of studies peculiar to Advanced Courses are printed in italics.

## CHAPEL EXERCISES 8:20 A. M.

- FIRST HOUR, 8:40-9:25.—Algebra III. Algebra I. Arithmetic, 9th Grade. *Botany, Advanced.* Calculus. Chemistry. Drawing. French V. Greek V. German V. Government, Science of, 1st and 2d 10 wks. History, English Constitutional. Latin VII. Literature, English. Musical Composition. Psychology. Rhetoric. Voice Culture I. Zoölogy.
- SECOND HOUR, 9:30-10:15.—Algebra II. Algebra I. Counterpoint. Chemistry. Drawing, Advanced. English Classics. Geometry, Plane. German I. Greek I. Government, Science of, 1st and 2d 10 weeks. History, Continental. Latin I, 9th Grade. Literature, English. Physics I. Psychology Applied. Physiology, 9th Grade. Reading and Orthoëpy, 1st and 2d 10 weeks. Voice Culture III.
- THIRD HOUR, 10:20-11:05.—Algebra III. Arithmetic, Tchr. Rev., 1st and 2d 10 weeks. Drawing. Geometry, Plane. German I. Greek III. Grammar, Tchr. Rev. Grammar, 9th Grade. History, U. S. Political. Harmony I. *Latin XI.* Laboratory Practice, 1st and 2d 10 weeks. Physics I. Psychology. Physiology, Tchr. Rev., 1st and 2d 10 wks.
- FOURTH HOUR, 11:15-12.—Algebra II. Arithmetic, Tchr. Rev., 1st and 2d 10 weeks. Arithmetic, 9th Grade. French III. German III. Grammar, Tchr. Rev. Grammar, 9th Grade. Geometry, Solid. History, General. History of Education, 1st 10 weeks. Latin V. Latin III. Laboratory Practice, 1st and 2d 10 weeks. Physics II. *Psychology, Advanced.* Vocal Music. Zoölogical Technics, 2d 10 weeks.
- FIFTH HOUR, 12-12:45.—Classical Literature and Methods. French I. Geometry, Solid. Geology. Geography. History, U. S., 9th Grade. History, Professional Training in, 1st 10 weeks. Kindergarten Instruction. Latin III. Latin I. Modern Literature and Methods. Old and Middle English. Physics II. Physiology, Tchr. Rev., 1st and 2d 10 weeks. Rhetoric. Reading and Orthoëpy, 1st and 2d 10 wks. Science, Professional Training in, 1st 10 wks.
- AFTERNOON.—Professional Training in Reading and Grammar, 1st 10 wks.; Arithmetic and Geography, 2d 10 wks. Chemical Laboratory Practice, 2:45-4:15.

## PROGRAM OF RECITATIONS AND EXERCISES, 1893-94.

## SECOND TERM.

Names of studies peculiar to Advanced Courses are printed in italics.

## CHAPEL EXERCISES 8:20 A. M.

- FIRST HOUR, 8:40-9:25.—Algebra, Higher. Algebra II. Algebra I. Arithmetic, 9th Grade. Astronomy. Botany, Structural, 1st 10 weeks. Botany, Systematic, 2d 10 weeks. Drawing. German IV. Greek VI. Government, Science of, 1st and 2d 10 weeks. Latin VIII. Masterpieces, Study of. Physics II. Psychology Applied. Rhetoric. Voice Culture IV and VI. Zoölogy, Systematic, 2d 10 weeks.
- SECOND HOUR, 9:30-10:15.—Algebra III. Arithmetic, Tchr. Rev., 1st and 2d 10 weeks. Chemistry, Advanced. Drawing, Advanced. *Entomology*, 2d 10 weeks. Geometry, Plane. German II. German VI. Greek IV. Grammar, Tchr. Rev., 1st and 2d 10 wks. Grammar, 9th Grade. History, U. S. Political. Latin II. Laboratory Practice, 1st and 2d 10 weeks. Literature, American. Music, History and Literature of. Physics I. Psychology. Voice Culture V.
- THIRD HOUR, 10:20-11:05.—Algebra II. Botany, Structural, 1st 10 wks. Botany, Systematic, 2d 10 wks. Drawing. English Classics. Geometry, Plane. Geometry, Solid. German II. History, Institutes of General. History, U. S., 9th Grade. Harmony II. Literature, American. Latin II. Latin IV. Physics, Advanced. Physics I. Psychology Applied. Political Economy, 2d 10 wks. Reading and Orthoëpy, 1st and 2d 10 wks. Voice Culture II.
- FOURTH HOUR, 11:15-12.—Algebra III. Arithmetic, Tchr. Rev., 1st and 2d 10 wks. Book-keeping, 2d 10 weeks. French IV. Greek II. Government, Science of, 1st and 2d 10 wks. Grammar, Tchr. Rev., 1st and 2d 10 wks. Grammar, 9th Grade. History, Grecian and Roman. History of Education, 1st 10 weeks. Latin VI. Laboratory Practice, 1st and 2d 10 wks. Literature, Advanced English, 1st 10 wks. Physics II. *Psychology, Advanced*. Physiology, 9th Grade. Surveying, 2d 10 wks. Trigonometry, 1st 10 wks. Vocal Music, Advanced. Zoölogical Technics, 2d 10 wks.
- FIFTH HOUR, 12-12:45.—French II. Geometry, Solid. German VIII. Geology, Historical, 2d 10 weeks. Geography, Tchr. Rev. History, English. History, Professional Training in, 1st 10 wks. Kindergarten Instruction. *Latin XII* Latin IV. Laboratory Practice, 1st 10 wks. Physical Technics, 2d 10 wks. Physiology, Tchr. Rev., 1st and 2d 10 wks. Rhetoric. *Rhetoric, Advanced*. Reading and Orthoëpy, 1st and 2d 10 wks. Science, Professional Tr. in, 1st 10 wks. Vocal Music.
- AFTERNOON.—Professional Training in Reading, Grammar, Arithmetic and Geography. Chemical Laboratory Practice, 2:45-4:15. Instrumental Astronomy.



**ERRATUM.**

Page 62, at the bottom, should read: Composition and Grammar, once a week, (Macmillan's Course, Part III.

# CALENDAR, 1893-94.

1893.

SEPTEMBER.							OCTOBER.							NOVEMBER.							DECEMBER.						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
							1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7
3	4	5	6	7	8	9	8	9	10	11	12	13	14	8	9	10	11	12	13	14	8	9	10	11	12	13	14
10	11	12	13	14	15	16	15	16	17	18	19	20	21	12	13	14	15	16	17	18	10	11	12	13	14	15	16
17	18	19	20	21	22	23	22	23	24	25	26	27	28	19	20	21	22	23	24	25	17	18	19	20	21	22	23
24	25	26	27	28	29	30	29	30	31					26	27	28	29	30			24	25	26	27	28	29	30
																					31						

1894.

JANUARY.							FEBRUARY.							MARCH.							APRIL.						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
																					1	2	3	4	5	6	7
	1	2	3	4	5	6					1	2	3					1	2	3	1	2	3	4	5	6	7
7	8	9	10	11	12	13	4	5	6	7	8	9	10	4	5	6	7	8	9	10	8	9	10	11	12	13	14
14	15	16	17	18	19	20	11	12	13	14	15	16	17	11	12	13	14	15	16	17	15	16	17	18	19	20	21
21	22	23	24	25	26	27	18	19	20	21	22	23	24	18	19	20	21	22	23	24	22	23	24	25	26	27	28
28	29	30	31				25	26	27	28				25	26	27	28	29	30	31	29	30					

MAY.							JUNE.							JULY.							AUGUST.								
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S		
			1	2	3	4	5						1	2	1	2	3	4	5	6	7					1	2	3	4
6	7	8	9	10	11	12	3	4	5	6	7	8	9	8	9	10	11	12	13	14	5	6	7	8	9	10	11		
13	14	15	16	17	18	19	10	11	12	13	14	15	16	15	16	17	18	19	20	21	12	13	14	15	16	17	18		
20	21	22	23	24	25	26	17	18	19	20	21	22	23	22	23	24	25	26	27	28	19	20	21	22	23	24	25		
27	28	29	30	31			24	25	26	27	28	29	30	29	30	31				26	27	28	29	30	31				

SEPTEMBER.							OCTOBER.							NOVEMBER.							DECEMBER.							
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	
						1		1	2	3	4	5	6						1	2	3							1
2	3	4	5	6	7	8	7	8	9	10	11	12	13	4	5	6	7	8	9	10	2	3	4	5	6	7	8	
9	10	11	12	13	14	15	14	15	16	17	18	19	20	11	12	13	14	15	16	17	9	10	11	12	13	14	15	
16	17	18	19	20	21	22	21	22	23	24	25	26	27	18	19	20	21	22	23	24	16	17	18	19	20	21	22	
23	24	25	26	27	28	29	28	29	30	31				25	26	27	28	29	30	23	24	25	26	27	28	29		
30																				30	31							

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