



Annual report of the public schools of the city of Madison, Wisconsin: 1913-1914.

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A Group of Madison School Buildings.

ANNUAL REPORT

OF THE

PUBLIC SCHOOLS

OF THE

CITY OF MADISON
WISCONSIN

1913—1914

MADISON, WISCONSIN
DEMOCRAT PRINTING COMPANY, STATE PRINTER
1914

DIRECTORY

BOARD MEETINGS

Regular meetings of the Board—First and third Tuesdays of each month, at 7:30 P. M., Rooms Board of Education, High School Building.

SUPERINTENDENT

Office of Superintendent—High School Building. Office hours, from 8 to 9 A. M.

SCHOOL SESSIONS.

High School—From 8:30 to 11:50 A. M., and from 1:30 to 3:43 P. M.
Ward Schools—From 8:45 A. M. to 12 M., and from 1:30 to 3:45 P. M.

SCHOOL CALENDAR—1914-1915

FALL TERM—

Opens Tuesday, September 8, and closes Friday, December 18.

WINTER TERM—

Opens Monday, January 4, and closes Friday, March 26.

SPRING TERM—

Opens Monday, April 5, and closes Friday, June 11.

BOARD OF EDUCATION

1914-1915

OFFICERS

GEORGE KRONCKE	President
O. S. NORSMAN.....	Clerk
C. H. TENNEY.....	Treasurer
R. B. DUDGEON.....	Superintendent

MEMBERS

	Term Expires
O. S. NORSMAN.....	515 North Henry
VICTOR LENHER	1915
GEORGE KRONCKE	158 Summit Ave.....
W. H. COLLINS.....	1121 Rutledge
JOHN MORAN	1916
CHARLES H. TENNEY.....	704 E. Gorham
MAYOR A. H. KAYSER.....	601 S. Few
ALD. F. W. LUCAS.....	1917
MAYOR A. H. KAYSER.....	146 Langdon
MAYOR A. H. KAYSER.....	802 E. Gorham
ALD. F. W. LUCAS.....	<i>Ex-Officio</i>
ALD. F. W. LUCAS.....	1712 Madison
ALD. F. W. LUCAS.....	<i>Ex-Officio</i>

COMMITTEES

STANDING

Teachers	KRONCKE, TENNEY, MORAN.
Course of Study and Text Books...	LENHER, TENNEY, KRONCKE.
Finance	KAYSER, MORAN, COLLINS.
Supplies	NORSMAN, LUCAS, LENHER.
Buildings	TENNEY, MORAN, LUCAS, LENHER, COLLINS, KAYSER.
Play Grounds	COLLINS, KAYSER, MORAN.
Medical Inspection in Schools.....	LENHER, KAYSER, COLLINS.
Special Committee on Tuitions....	PRESIDENT KRONCKE, SUPERINTEND- ENT DUDGEON, PRINCIPAL BARNES.

CITIZENS' VISITING COMMITTEES

1913-1914

HIGH SCHOOL:

PROF. H. L. MILLER, Chairman.	MRS. BURR W. JONES.
MRS. O. D. BRANDENBURG.	REV. P. B. KNOX.
MR. W. J. ANDERSON.	PROF. W. J. CHASE.
PROF. S. H. GOODNIGHT.	MR. W. N. PARKER.
MRS. WILLIAM KITTLE.	MR. FRANK C. BLIED.
REV. GEORGE E. HUNT.	

WASHINGTON SCHOOL:

MRS. AAD J. VINJIE, Chairman.	MRS. HENRY SHELDON.
MRS. C. K. LEITH.	MRS. JOSEPH JASTROW.
MRS. ANTON METZ.	

LINCOLN SCHOOL:

PROF. R. R. KROFF, Chairman.	MRS. PAUL KNEY.
MRS. WILL OAKLEY.	MRS. DUDLEY MONTGOMERY.

BRAYTON SCHOOL:

MRS. W. J. TECKEMEYER, Chair- man.	MRS. EMIL FRAUTSCHI.
MRS. JOHN C. PRIEN.	MRS. GEORGE W. KINDSCHI.

DOTY SCHOOL:

MRS. SAM T. SWANSEN, Chairman.	MRS. LOUIS D. SUMNER.
MRS. ED. SMITH.	MRS. CHARLES MENG.

DRAPER SCHOOL:

MRS. JAMES B. RAMSAY, Chair- man.	MRS. L. S. SMITH.
MRS. CHAS. HARPER.	MRS. E. J. B. SCHUBRING.

MARQUETTE SCHOOL:

MRS. EDW. SCHMELZKOPF, Chair- man.	MRS. FRED RENTSCHLER.
MRS. FRED DREWS.	MRS. JAMES F. COURTNEY.

IRVING SCHOOL:

MRS. RICHARD LLOYD JONES, Chairman
MRS. ERNEST BREMER.
MRS. JULIUS KLUETER.
MRS. JOS. A. STEINLE.

LAPHAM SCHOOL:

MRS. BEN PARKINSON, Chairman.
MRS. JOSEPH SCHUBERT.
MRS. FRANK DRAKE.
MRS. JOHN CORSCOT, JR.

HAWTHORNE SCHOOL:

MRS. L. J. LEISER, Chairman.
MRS. E. PARKER.
MRS. FREEMAN JOHNSON.
MRS. RICHARD VITENSE.
MRS. C. L. KOCHER.

LONGFELLOW SCHOOL:

MRS. MILO KITTELESON, Chairman.
MRS. H. L. HUNT.
MRS. ISAAC SINAIKO.
MRS. CHAS. ELLIS.
MRS. GEORGE E. GRIEVE.

RANDALL SCHOOL:

MRS. E. RAY STEVENS, Chairman.
MRS. W. B. CAIRNS.
MRS. T. S. ADAMS.
MRS. A. R. HOHLFELD.
MRS. L. W. DOWLING.
MRS. T. S. MORRIS.



Evening Recreation—Moving Pictures. Longfellow School.

DEPARTMENT OF INSTRUCTION

1914-1915

R. B. DUDGEON.....	<i>Superintendent.</i>
MARY O'KEEFE	<i>Assistant Superintendent.</i>
DR. A. G. SULLIVAN.....	<i>Medical Supervisor.</i>
MARTHA K. RILEY.....	<i>Supervisor of Attendance.</i>

HIGH SCHOOL

VOLNEY G. BARNES.....	<i>Principal.</i>
LETA WILSON*	<i>Latin.</i>
HARRIET KUHNS	<i>Latin, Greek.</i>
EFFIE C. PAYNE.....	<i>Latin.</i>
J. D. DEIHL*.....	<i>Modern Languages.</i>
IRMA KLEINPELL	<i>German.</i>
CAROLINE M. YOUNG.....	<i>German.</i>
HILDA C. VOLKMAN.....	<i>German.</i>
EMMA GLENZ	<i>German.</i>
LAURA B. JOHNSON.....	<i>French.</i>
A. J. MIDTHUN†.....	<i>Norse, History.</i>
GEORGE E. TETER*	<i>English.</i>
JULIA E. TORMEY.....	<i>English.</i>
FLORA C. MOSELEY.....	<i>English.</i>
MARY HARGRAVE	<i>English.</i>
CORNELIA COOPER	<i>English.</i>
ODESSA ZEIS	<i>English.</i>
REGINA GROVES	<i>English.</i>
Alice HANRAHAN	<i>English.</i>
MARY LESLIE SPENCE.....	<i>English.</i>
KATHERINE P. REGAN	<i>English.</i>
ROSE ANNA GRAY.....	<i>English.</i>
AMY HOYT	<i>English.</i>
HELEN LOOMIS	<i>English.</i>
MARTHA E. SELL*.....	<i>History.</i>
PERCY W. SLOCUM.....	<i>History.</i>

JULIA E. MURPHY.....	History.
BERTHA W. PREUSS.....	History.
LILLIAN A. TAYLOR.....	History.
GRACE A. BAILEY†.....	History.
MARIE DICKORE	History.
JOHN A. RINER*.....	Science.
ALICE EVANS	Science.
EDNA WEBER	Science.
LYNDA WEBER	Science.
MAUDE D. REID.....	Geography.
MYRON C. WEST*.....	Mathematics.
ANNIE M. HANKEY.....	Mathematics.
HELEN M. WOLF.....	Mathematics.
BAILEY E. RAMSDELL.....	Mathematics.
AGNES V. LEARY.....	Mathematics.
EDITH R. JOHNSON.....	Mathematics.
LULU VAUGHN	Mathematics.
ROBERT A. WALKER*.....	Business.
MARY E. LATHROP.....	Business.
HEBE LEEDEN	Business.

SPECIAL DEPARTMENT TEACHERS

Art

BERNICE OEHLER	High School.
IRENE L. BUCK.....	High School.
GERTRUDE EVANS†.....	High School.
MARGARET MCGILLIVRAY	Elementary Grades.

Domestic Science

LUCILLE W. REYNOLDS*.....	High School and El. Grades.
GLADYS BRANEGAN	High School.
JOSEPHINE DAVIS	High School.
GERTRUDE KREMERS	Elementary Grades.
MARJORIE McLEAN	Elementary Grades.
WINIFRED E. MILLER.....	Elementary Grades.

* Head of department.

† Part time.

Manual Training

PAUL H. GRAVEN*	High School and El. Grades.
ARTHUR J. FOX	High School.
J. F. MALLIEN	High School.
VICTOR THOMPSON†	High School.
WILBERT A. SPRISE	Elementary Grades.
CLARENCE E. RANSEEN	Elementary Grades.
MONROE B. MILLIREN	Elementary Grades.

Physical Training

G. A. CRISPIN*	High School and El. Grades.
FORREST A. ANDERSON	Elementary Grades.
IRMA J. BAUS	High School and El. Grades.

Music

ANNE E. MENAUL*	High School and El. Grades.
ALICE KEITH	High School and El. Grades.

Day School for Deaf

IRENE FLATLEY	Principal.
ANNA MCGILL	Assistant.
IRENE MACMILLAN	Ungraded Schools.

Assistants to Principals

ADELLE R. GAVOILLE†	Longfellow School.
SAIDEE RUTH INGRAM	Lincoln School.
ADELLA C. RUDOW	Marquette and Lapham.
RUTH LOAN	Irving.
ANNAH C. PIERCE	Brayton and Washington.
AGNES M. CRAWLEY	Draper and Doty.

GEORGE WASHINGTON SCHOOL

MARY L. EDGAR	Eighth Grade.
DELLA J. BOWERS	Seventh Grade.
EMMA HARRIS	Sixth Grade.
BESSIE D. ELLIS	Fifth Grade.
ELIZABETH FRIEDRICKS	Fourth Grade.

* Head of department.

† Part time.

LULU INGRAM	Third Grade.
JESSIE M. CLOUGH.....	Second Grade.
CLARA BELLE DURBROW.....	First Grade.
MAUD M. EMERY.....	Kindergarten.
MABELLE E. LYONS.....	Kindergarten Asst.

ABRAHAM LINCOLN SCHOOL

JESSIE M. BOWERS, Principal.....	Seventh and Eighth Grades.
PEARL E. DREW.....	Sixth Grade.
Alice V. Bufton.....	Fifth Grade.
EVA J. VANSISTINE.....	Fourth Grade.
EMMA G. HYLAND.....	Third Grade.
EMMA E. SNYDER.....	Second Grade.
RUBY CHINNOCK	First Grade.
MAY WHITNEY	Kindergarten.
ETHEL HOWEN	Kindergarten Assistant.

LOUISE M. BRAYTON SCHOOL

RENETTE JONES, Principal.....	Eighth Grade.
ZILLA WISWALL	Seventh Grade.
MURIEL LUCAS	Sixth Grade.
SARA BRIDGMAN	Fifth Grade.
BESSIE L. CUSHMAN.....	Fourth Grade.
AMANDA L. KIEKHOFER.....	Third Grade.
ETHEL M. WOOLHISER.....	Second Grade.
EDNA MAE SEWELL.....	First Grade.

JAMES D. DOTY SCHOOL

ANNIE D. AXTELL, Principal.....	Seventh and Eighth Grades.
ALMA HANSCHEL	Fifth and Sixth Grades.
LOIS W. BALEY.....	Fourth Grade.
ESTHER LAPPLEY	Third Grade.
GERTRUDE L. BONZELET.....	Second Grade.
MARY LENA HESSMAN.....	First Grade.
IRENE CURTISS	Kindergarten.
ALICE SALSMAN	Kindergarten Assistant.

LYMAN C. DRAPER SCHOOL

ADELINE R. MARVIN, Principal.....	Eighth Grade.
EMMA R. BUCHHOLZ.....	Seventh Grade.
MARGARET O'NEIL	Sixth Grade.
CLARA L. LEONARD.....	Fifth Grade.
DOROTHY A. SALTER.....	Fourth Grade.
BESSIE M. LEWIS.....	Third Grade.
C. LOUISE THIARD.....	Second Grade.
CLARA DENGLER	First Grade.

JACQUES MARQUETTE SCHOOL

KATE H. FEENEY, Principal.....	Eighth Grade.
RAE JOHNSON	Seventh Grade.
MAUDE E. DAY.....	Sixth Grade.
MAUDE E. DAY	Fifth Grade.
LOUISE ZIMMERMAN	Fourth Grade.
MAY G. HUME.....	Third Grade.
EMMA SCHERMERHORN	Second Grade.
LUCILE D. PENFIELD.....	First Grade.

WASHINGTON IRVING SCHOOL

EMILY R. PARSONS, Principal.....	Sixth and Seventh Grades.
BLANCHE DODTE	Fifth Grade.
JOSEPHINE M. BRABANT.....	Fourth Grade.
ELNORA HOYER	Third Grade.
FANNIE M. STEVE	Second Grade.
MAUDE M. COLLINS.....	First Grade.
CORA A. MORGAN.....	Kindergarten.
LILLIE J. SCOTT.....	Kindergarten Asst.

INCREASE A. LAPHAM SCHOOL

ETHEL A. DICKIE, Principal.....	Seventh and Eighth Grades.
ESTELLA WELLS	Fifth and Sixth Grades.
CHRISTINE BANDLI	Third and Fourth Grades.
FLORENCE E. VALENTINE.....	Second Grade.
HAZEL LITEL	First Grade.
ALMINA PICKARD	Kindergarten.
MARGARET SEILER	Kindergarten Assistant.

NATHANIEL HAWTHORNE SCHOOL

ANNA B. CHAMBERLAIN, Principal	Eighth Grade.
LIONA HOPKINS	Assistant.
ALMA WARNECKE	Seventh Grade.
WINNIFRED F. ROOKER.....	Sixth Grade.
HAZEL C. WILBER.....	Fifth Grade.
CLARA M. PIERSTORFF.....	Fifth and Sixth Grades.
EMILY POKORNY.....	Fourth Grade.
ANNA JOHNSON	Fourth Grade.
MARY F. MAHER.....	Third Grade.
LETTIE ANDERSON	Third Grade.
LEONORO TOTTO	Second Grade.
EVA BALEY	Second Grade.
MYNA ROSTEN	First Grade.
VELMER D. PRATT.....	First Grade.
SUSAN MAY ANDERSON.....	Kindergarten.
CHARLOTTE M. CALVIN.....	Kindergarten Asst.

HENRY W. LONGFELLOW SCHOOL

L. LORENA REICHERT, Principal.....	Eighth Grade.
LILLIAN M. KEELEY.....	Seventh Grade.
HARRIET W. KNICKERBOCKER.....	Sixth Grade.
RUBY H. RAY.....	Fifth Grade.
ELIZABETH BADEN	Fourth Grade.
MARGARET E. CUMMINGS.....	Third Grade.
E. E. QUIRK	Third and Fourth Grades.
NORA R. CULLIGAN.....	Second Grade.
NETTIE ANDERSON	First and Second Grades.
NORA L. MCKEE.....	First Grade.
ADDA SUTHERLAND	First Grade.
REKA GEBHARDT	Kindergarten.
FRIEDA DUERR	Kindergarten Asst.

RANDALL SCHOOL*

W. W. HANAMAN.....	Principal.
RUTH M. FOX.....	English.
R. FERN CHASE.....	History and Geography.
HILDA RAETZMAN	Latin and German.
MARY A. BONZELET.....	English and Mathematics.
AGNES R. MACDONALD.....	Sixth Grade.

MAUDE BRYDGES	Fifth Grade.
SADIE A. BOULDEN.....	Fourth Grade.
EULALIA HICKS	Third Grade.
MAY SMITH	Second Grade.
ELVA RITCHHEY	Second Grade.
STELLA Y. JAMES.....	First Grade.
GERTRUDE OWEN	Kindergarten.
MARGARET VICK	Kindergarten Asst.

* Grades seventh, eighth, and ninth constitute the Junior High School.



Recreation Center Orchestra. Longfellow School.

CLERK'S STATEMENT

Receipts and disbursements of the Board of Education from July 1, 1913,
to June 30, 1914.

RECEIPTS

Balance July 1, 1913.....	\$4,000.38
State apportionment	21,119.39
Deaf school apportionment.....	2,645.81
Manual Training and Domestic Science apportionment.....	700.00
City school tax.....	186,905.17
County school tax.....	19,423.00
Blooming Grove Jt. District tax.....	78.29
Tuitions collected	378.75
Rents collected	1,041.00
Interest collected	437.24
Temporary loans	77,000.00
Loan from state for high school addition.....	15,000.00
High school collections.....	544.18
Teachers' salaries, refund.....	3.60
Blooming Grove erroneous tax.....	342.85
Other receipts	5.00
	<hr/>
	\$329,624.66

DISBURSEMENTS

Teachers' salaries and superintendent.....	\$139,849.91
Janitors' salaries	12,901.40
Miscellaneous supplies	13,790.73
Miscellaneous repairs	5,170.98
Medical inspection expenses.....	1,530.00
Insurance	537.29
Apparatus and library.....	32.10
Furniture	1,547.10
Clerks' salary	300.00
School census	171.16

Printing	763.55
Additional site, Lincoln building.....	10,782.50
Grading and cement walks.....	455.60
Deaf school expenses.....	700.18
Free text books.....	578.15
Fuel	12,766.81
Taxes	802.07
Blooming Grove tax refund.....	342.85
Randall school addition.....	166.50
High school addition.....	7,638.85
High school equipment.....	1,068.00
Washington school heating and improvements.....	4,771.84
Longfellow school annex—heating.....	1,072.80
Fair Oaks town hall improvement.....	2,669.06
Playground expenses	839.36
Teachers' retirement fund.....	931.79
Interest paid	1,737.17
Loans repaid	96,000.00
Night school expenses.....	64.00
Summer school expense.....	633.60
Balance June 30, 1914.....	9,009.31

\$329,624.66

O. S. NORSMAN, *Clerk.*



Summer Italian School Picnic.

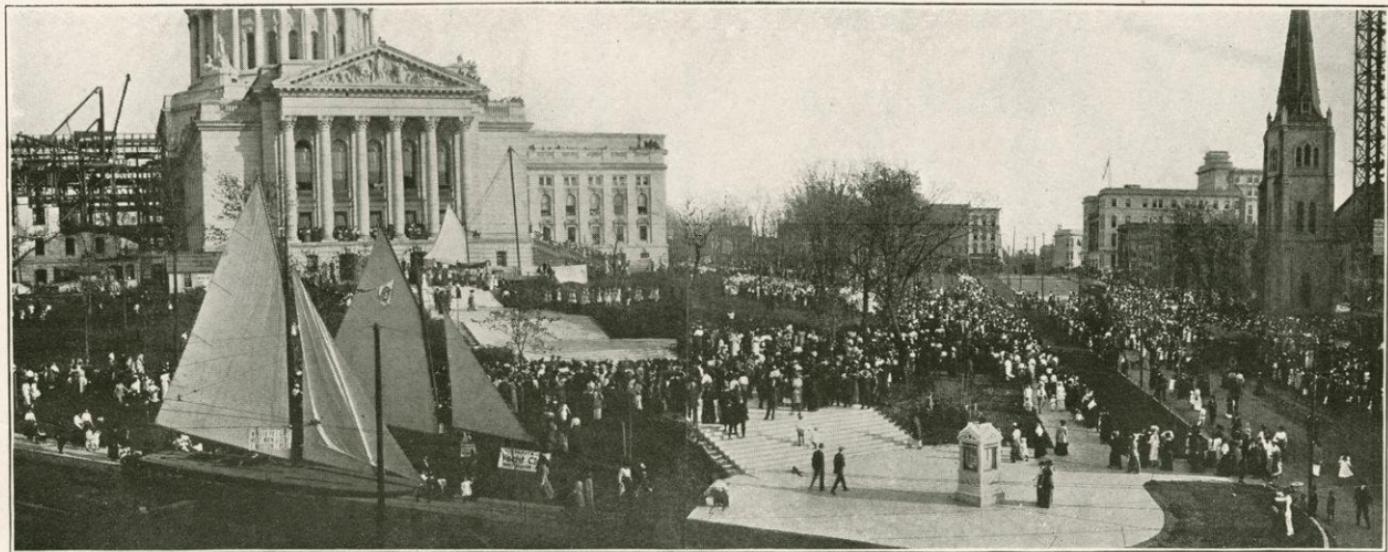
TREASURER'S STATEMENT

Receipts and disbursements from July 1st, 1913, to June 30, 1914.

1913		
July	1	To balance
	5	Thos. Lloyd Jones—High school collections.....
	5	E. F. Riley—Hay.....
	29	Mrs. M. Lyons—Rent, July.....
	31	Bank of Wisconsin—Loan
	31	Bank of Wisconsin—Interest for July.....
Aug.	12	Bank of Wisconsin—Loan
	12	Mrs. M. Lyons—Rent, August.....
	27	Prof. Jones—High school piano fund.....
	31	Bank of Wisconsin—Interest for August.....
Sept.	5	Bank of Wisconsin—Loan
	11	State of Wisconsin—Deaf school apportionment.
	19	Bank of Wisconsin—Loan
	26	Bank of Wisconsin—Loan
	30	Bank of Wisconsin—Interest for September.....
Oct.	6	State Treasurer—Trust fund loan.....
	6	Mrs. M. Lyons—Rent, September.....
	25	Federated Trades Council—Rent.....
	25	Bank of Wisconsin—Loan
	31	Bank of Wisconsin—Interest for October.....
Nov.	5	Bank of Wisconsin—Loan
	21	Bank of Wisconsin—Loan
	24	Madison Free Library—Heating.....
	29	Mrs. M. Lyons—Rent, October.....
	29	Bank of Wisconsin—Interest for November.....
Dec.	1	G. L. Brightman—Rent, auditorium.....
	18	Bank of Wisconsin—Loan
	31	State of Wisconsin—State aid
	31	Bank of Wisconsin—Interest for December.....
Jan.	10	City Treasurer—Part city school tax.....
	13	City Treasurer—Part city school tax.....
	15	City Treasurer—Part city school tax.....

17	City Treasurer—Part city school tax.....	25,000.00
20	Prof. T. L. Jones, High school collections.....	60.82
27	Della Bowers—Refund salary.....	3.60
31	Merchants & Savings Bank—Interest for January	8.34
Feb. 5	Mrs. M. Lyons—Rent, November.....	60.00
14	City Treasurer—Part city school tax.....	50,000.00
28	State Treasurer—State apportionment.....	21,119.39
28	Merchants & Savings Bank—Interest for February	19.31
Mch. 11	Mrs. M. Lyons—Rent, December.....	60.00
14	City Treasurer—Balance city & county school tax	56,328.17
18	Mrs. M. Lyons—Rent, January.....	60.00
31	Merchants & Savings Bank—Interest for March..	126.81
Apr. 4	Mrs. M. Lyons—Rent, February	60.00
16	Mrs. M. Lyons—Rent, March	60.00
30	Merchants & Savings Bank—Interest for April...	118.05
May 13	Mrs. M. Lyons—Rent, April.....	60.00
14	Treasurer—Blooming Grove—Jt. District tax....	421.14
19	W. A. Idee—Rent auditorium.....	20.00
31	Merchants & Savings Bank—Interest for May....	66.31
June 4	Mrs. M. Lyons—Rent, May.....	60.00
23	Presbyterian Church—Rent, May.....	50.00
30	R. B. Dudgeon—Tuition collected.....	378.75
30	Merchants & Savings Bank—Interest for June...	27.29
		<hr/> \$329,624.66
	The aggregate of the certificates of appropriation issued and paid during the year was.....	320,615.35
	Leaving a balance July 1, 1914.....	<hr/> \$9,009.31

C. H. TENNEY, *Treasurer.*



Fall Festival—Historic Pageant.

SUPERINTENDENT'S REPORT

To the Board of Education:

GENTLEMEN:—I herewith submit my twenty-second annual report of the public schools of Madison, which is for the year ending June 30, 1914, and constitutes the fifty-ninth in the series of annual reports.

GENERAL INFORMATION

Population, census 1910.....	25,531
Population, 1914, (estimated including U. W. students)...	35,000
Assessed valuation, 1913.....	\$47,268,691
Assessed valuation, 1914.....	\$50,825,200
Rate of taxation, all purposes, 1914.....	.016
Rate of taxation, school purposes, 1914.....	.005
Number elementary schools.....	11
Number high schools.....	1
Value of school sites.....	\$183,900
Value of school buildings.....	\$612,028
Value of school equipment.....	\$46,904
Total invested in school property.....	\$842,382
Number children school age in city.....	7,578
Enrollment in high school.....	1,065
Average daily attendance, high school.....	959
Enrollment in elementary grades.....	3,813
Average attendance elementary grades.....	3,215
Total enrollment public schools.....	4,878
Average attendance, public schools.....	4,174
Enrollment in private and parochial schools.....	1,291

TABLE I

SCHOOL CENSUS

	Male	Female	Total
First ward	157	131	288
Second ward	325	357	682
Third ward	133	138	271
Fourth ward	256	252	508
Fifth ward	380	413	793
Sixth ward	891	985	1,876
Seventh ward	466	449	915
Eighth ward	323	362	685
Ninth ward	442	460	902
Tenth ward	335	303	638
Blooming Grove	14	6	20
 Total	 3,706	 3,872	 7,578

TABLE II

SUMMARY OF ENROLLMENT BY SCHOOLS

	Boys	Girls	Total
High school	444	568	1,012
Junior high school.....	48	54	102
Washington school	226	197	423
Lincoln school	164	149	313
Brayton school	150	150	300
Doty school	128	125	243
Draper school	154	154	308
Marquette school	147	160	307
Irving school	149	166	315
Lapham school	125	121	246
Hawthorne school	290	324	614
Longfellow school	213	197	410
Randall school	193	194	387
 Total	 2,421	 2,559	 4,980
Deducting those counted twice.....	48	54	102
 Total	 2,373	 2,505	 4,878

SUMMARY OF ENROLLMENT BY GRADES

	Boys	Girls	Total
Kindergarten	211	242	453
First grade	305	292	597
Second grade	248	236	484
Third grade	224	222	446
Fourth grade	265	108	463
Fifth grade	222	216	438
Sixth grade	174	189	363
Seventh grade	134	160	294
Eighth grade	106	138	244
Ungraded room	9	9	18
Deaf school	8	5	13
First year, high school.....	155	182	337
Second year, high school.....	120	165	285
Third year, high school.....	100	149	249
Fourth year, high school.....	92	102	194
 Total	2,373	2,505	4,878

CONTINUATION SCHOOLS ENROLLMENT

	Boys	Girls	Total
Day permit	70	32	102
All day industrial.....	6	106	112
Evening schools	412	582	994
 Total	488	720	1,208

SUMMER VACATION SCHOOLS ENROLLMENT

	Boys	Girls	Total
Elementary grades	73	56	129
High school	27	21	48
 Total	100	77	177

UNGRADED ROOM ENROLLMENT

	Boys	Girls	Total
Washington school	9	9	18

PAROCHIAL AND PRIVATE SCHOOLS ENROLLMENT

	Total
St. Bernard	135
St. James	187
St. Patrick	176
Father Petit Memorial School.....	336
Holy Redeemer	282
*Edgewood Academy	34
*Capital City Commercial College.....	115
Mrs. H. H. Davis.....	26
	<hr/>
	1,291

UNIVERSITY

*U. W. High School enrollment.....	152
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SUMMARY OF TOTALS OF ENROLLMENT

High school	1,065
Elementary schools	3,813
*Continuation schools	343
Summer vacation schools.....	192
Ungraded rooms	18
Parochial and private schools.....	1,291
*U. W. High school.....	152
	<hr/>
Grand totals	6,874
Counted twice	258
	<hr/>
Net enrollment	6,516

* Between 4 and 20 years of age living in the city.

COST OF SCHOOLS.

Below is given a classification of expenditures given in the clerk's statement for the year ending June 30, 1914. In estimating the cost of *instruction* in the special lines, half of the salaries paid the heads of the art, music, manual training, domestic science, and physical training departments and one-half of the salary paid to the assistant in the physical training depart-

ment, are charged up to the high school and the other half to the elementary grades.

Under the head of *general supervision* are included the salaries of only those persons who give their whole time to the supervision of all the schools. The salaries of principals and the heads of departments who do some supervising are included in the cost of instruction.

Under the head of *incidental* expenses are included all other expenditures except those for sites, new buildings, furniture, and permanent improvements.

CLASSIFICATION OF EXPENDITURES FOR THE YEAR 1913-1914

Instruction

Regular lines

High school	\$42,425.00
Elementary grades	70,834.91
	————— \$113,259.91

Special lines

High school

Art	\$1,800.00
Music	300.00
Manual training ..	3,500.00
Domestic science..	2,050.00
Physical training..	1,150.00
	————— \$8,830.00

Elementary grades

Art	\$900.00
Music	1,560.00
Manual training..	3,750.00
Domestic science..	2,750.00
Physical training..	2,150.00
School for the deaf	1,650.00
Summer school....	633.60
	————— 13,393.60
	————— 22,223.60
	————— \$135,483.51

General Supervision

Superintendent	\$2,500.00
Assistant superintendent	1,600.00
Supervisor of attendance.....	900.00
Health supervision	1,500.00
	—————
	6,500.00

Incidental Expenses—General Charges

Miscellaneous supplies	\$12,530.73
Miscellaneous repairs	5,170.98
Janitors' salaries	12,901.40
Insurance	537.29
Apparatus and library.....	32.10
Clerk's salary	300.00
Office salaries	1,260.00
School census	171.16
Printing	763.55
Deaf school expense.....	700.18
Supplementary text books.....	578.15
Fuel	12,766.81
Taxes paid	802.07
Teachers' retirement fund.....	931.79
Interest paid	1,737.17
Night school expense.....	64.00
Playground expense	839.36
Medical inspection expense.....	30.00
Blooming Grove tax refund.....	342.85
	—————
	53,459.59

Sites, New Buildings, and Furniture

Lincoln site	\$10,782.50
Randall addition	166.50
High school addition.....	7,638.85
Furniture	1,547.10
	—————
	20,134.95

Permanent Improvements

New heating plant, Washington school.....	\$4,771.84
New heating plant, Longfellow annex.....	1,072.80
High school equipment.....	1,068.00
Town hall improvements.....	2,669.06
Grading and cement walks.....	455.60
	—————
Loans repaid	10,037.30
Balance on hand.....	96,000.00
	9,009.31

RECAPITULATION

Instruction	\$135,483.51
General supervision	6,500.00
Incidentals	53,459.59
Sites, new bulidings, and furniture.....	20,134.95
Permanent improvements	10,037.30
Loans repaid	96,000.00
Balance on hand.....	9,009.31
	—————
	\$329,624.66
Less loans repaid and balance.....	105,009.31
	—————
Total cost of schools, 1913-1914.....	\$224,615.35

NET OPERATING EXPENSES

Total cost of schools.....	\$224,615.35
Less cost of sites, new buildings, and furniture	\$20,134.95
Less cost permanent improvements.....	10,037.30
	—————
	30,172.25

Net operating expenses for year..... \$194,443.10

COST PER PUPIL.

To estimate the cost per pupil for instruction in regular lines and for general supervision is a very simple matter. To estimate the most per pupil for instruction in special lines is much more difficult and can be done only in an approximate way. This is due to the fact that in the high school most of the work in special lines is optional and is elected by a relatively small number of pupils. This makes the average cost per pupil, based on the total enrollment, very small. In the elementary grades instruction in special lines is given to all the pupils. Relatively therefore a much larger teaching force in special lines is required in the elementary grades than in the high school.

The cost per pupil for incidentals cannot be estimated separately for the high school and for the grades because accurate separate accounts have not been kept. Therefore in this item the average cost for all pupils enrolled in all the schools will be used.

In the Junior high school the pupils of the seventh and eighth grades are included in the enrollment of the elementary grades, and the pupils of the ninth grade are included in the enrollment of the high school.

Cost per pupil in high school for instruction in regular lines:		
Upon number enrolled .....	.....	\$39.84
Upon average daily attendance.....	.....	44.25
Cost per pupil in elementary grades for instruction in regular lines:		
Upon number enrolled .....	.....	18.57
Upon average daily attendance.....	.....	22.04
Cost per pupil in high school for instruction in special lines:		
Upon total high school enrollment.....	.....	8.27
Upon average high school daily attendance.....	.....	9.21
Cost per pupil in elementary grades for instruction in special lines:		
Upon total grade enrollment.....	.....	3.51
Upon average daily grade attendance.....	.....	4.16
Cost per pupil in all schools for general supervision:		
Upon total enrollment .....	.....	1.33
Upon average daily attendance.....	.....	1.55
Cost per pupil in all schools for incidentals:		
Upon total enrollment .....	.....	10.95
Upon average daily attendance.....	.....	12.81
Cost per pupil in all schools for sites, new buildings, furniture, and permanent improvements:		
Upon total enrollment .....	.....	2.05
Upon average daily attendance.....	.....	2.40
	Upon Enrollment	Upon Attendance
Cost per pupil in high school for		
Instruction in regular lines.....	.....	\$39.84
Instruction in special lines.....	.....	8.27
General supervision .....	.....	1.33
Incidentals .....	.....	10.95
Cost per pupil in high school for		
operating expenses .....	.....	\$60.39

		\$67.82

	Upon Enrollment	Upon Attendance
Cost per pupil in grades for		
Instruction in regular lines.....	\$18.57	\$22.04
Instruction in special lines.....	3.51	4.16
General supervision	1.33	1.55
Incidentals	10.95	12.81
Cost per pupil in elementary grades for operating expenses.....	\$34.36	\$40.56

MADISON CONTINUATION SCHOOLS

STATISTICS FOR THE YEAR 1913-1914

Number of Teachers

	Men	Women	Total
Day schools	1	1	2
Evening schools	9	13	22
Total	10	14	24

Enrollment

	Boys	Girls	Total
Day permit school.....	70	32	102
All day industrial school.....	6	106	112
Evening school	412	582	994
Total	488	720	1,208

FINANCIAL STATEMENT

Receipts

Cash on hand July 1, 1913.....	\$318.15
City tax levy.....	13,500.00
Miscellaneous—fees, books, etc.....	485.16
Received from state for year 1912-1913.....	2,548.33
Total	\$16,851.64

Disbursements

Instruction:

Permit	\$2,188.22
All day	305.00
Evening school	4,189.10

Equipment: all schools.....	\$6,682.32
	1,782.45

Contingent expenses:

Books	\$96.51
Printing	325.90
Janitor	350.75
Repairs	107.57
Supplies	577.85
Rent	1,527.08
Administration	757.22
Interest	36.10
Miscellaneous	497.50

Balance on hand, July 1, 1914.....	4,276.48
	4,110.39

Total	\$16,851.64

BUILDINGS.

The policy of thoroughly overhauling and renovating one school plant each year is gradually putting our school buildings into excellent condition. The same policy in regard to the installation of new heating and ventilating systems has greatly improved health and comfort conditions in the Lapham, Hawthorne, Marquette, Washington, and Draper buildings. The use of these plants thus far indicates that they are economical in way of operation and wholly adequate to the needs of the respective buildings.

It now seems certain that new buildings will be placed in the Lincoln and Fair Oaks sections. The Brayton school will undoubtedly receive attention at an early date. When these improvements are made, the elementary buildings of Madison will be in excellent condition and will rank well up among the best in the state.

Longfellow School

The attendance at the Longfellow school exceeds the capacity of the building. The school population is increasing rapidly. The problem of furnishing additional facilities is a pressing one and must receive attention at the earliest possible date.

The High School

The need of additional room in the High School building has been made emphatic by the Principal and must receive careful consideration.

A New Central Building

The most pressing need at the present time seems to be a large building on some central site for the accommodation of all pupils of the seventh and eighth elementary grades and of the first year in the high school, living outside the Randall, Longfellow, and Draper districts.

This building with the Randall would accommodate for a time all the pupils of the three grades that usually constitute a Junior high school. When the enrollment in these three grades reaches the capacity of these two buildings, another building of similar plan should be erected east of the Yahara river for the accommodation of the same three grades residing in that section of the city.

The Randall building and a central building of this kind near the Capitol would take out of all the other elementary buildings the seventh and eighth grades and relieve them to such an extent that they would accommodate the pupils of the six lower grades for a number of years. This plan would also relieve the central high school building for a time. This new central building with the new building on the Lincoln and Fair Oaks sites would solve the problem of school accommodations for some time.



Children's Reading Room. City Library.

AN ATHLETIC FIELD.

Unfortunately the playground areas in connection with most of our elementary school buildings are very limited. In order to secure needed open-air exercise in many places the children are obliged to use the adjacent streets. This is unfortunate but cannot be remedied at present.

In connection with the high school there is no area for out-door sports or athletic practice. The need for such a space is great at present and will become greater as our city increases in population. In fact it even now seems probable that all out-door athletic contests with other high schools of the state must be discontinued after the present year on account of the lack of an athletic field. It seems quite imperative that steps be taken as soon as possible to secure a large athletic field for out-door activities on the part of pupils in both the high school and elementary grades. Such a field should be of ample size and centrally located. Any area less than a city block would be inadequate in size. The securing of such a field should receive attention before real estate values make it impossible.

SUPERVISOR OF ATTENDANCE.

The work of this department has been carried on with unusual effectiveness and the good accomplished has been great. The scope of the work has increased until it has taken on the general community welfare form. The Attendant Officer has been unceasing in her activities and indefatigable in her efforts. Her efficiency is shown not only by the results of her personal efforts but by the hearty co-operation she has secured from interested individuals, established organizations, and volunteer agencies. The largeness of the work of this department and the far-reaching influence of its activities would seem to call for and fully justify the employment of a competent assistant for Miss Riley.

The following is a brief summary of the report of Miss Riley for the year 1913-14.

To the Board of Education:

I hereby submit the second annual report of the Department of Truancy and Probation.

Visits to—

homes	1,498
schools	407
places of business.....	318
factories	11
state institutions	3
Notices served	265
Cases of truancy.....	153
Cases in Juvenile Court.....	41
On probation	27
Cases in probate (guardianship).....	4

Placed—

in graded schools	68
in continuation schools	39
in homes (private)	7
in state institutions	
Home for Feeble Minded.....	3
School for Blind.....	2
State Home for Neglected Children, Sparta.....	8
Industrial School for Boys.....	6
Industrial School for Girls.....	2
Orphans' Home, Stoughton.....	2
Hospital for Insane (mothers).....	2
at work	31
Violations Child Labor Law.....	53

Reported—

to health department	23
to physicians	21
to visiting nurse	49
to associated charities	21
to Commissioner of Needy.....	8
to Fifth Ward Society.....	11
to St. Elizabeth's Aid (benevolent).....	6
to county superintendent of schools.....	9
to police department	7
to humane officer	6

As a whole attendance at schools, except for periods of contagious diseases, has been excellent. The amount of tardiness is still unnecessarily high, but attendance is insisted upon, no matter how late the child may come. Causes for poor attendance are essentially the same in all parts of the city. As a rule, attendance is secured when attendance is made possible. A child decently clothed and fed and supplied with the necessary tools for work, in almost every case would rather go to school than run the streets.

Much has been accomplished for the welfare of children in the past two years: the Woman's Club has made possible the Detention Home for juvenile offenders; the Associated Charities has equipped and has now opened a day nursery, beside furnishing ready relief in shape of clothes, medicine, etc.; the Attic Angels have supplied the visiting nurse for two half days a week in schools, outside of regular children's case work; the City Garden Association has furnished plats, seeds, and tools for hundreds of busy little hands; the local Anti-tuberculosis Association, with the co-operation of Woman's Club and private individuals, has made possible our open-air school for afflicted children; the women of Physical Training of U. of W. Department furnished instruction in games and dancing; the University Y. M. C. A. and Y. W. C. A. gave good service as "Big Brothers" and "Big Sisters" and instruction in plays and games; the Wisconsin School of Music furnished excellent concerts and free instruction in violin and piano to two classes.

We still need a *children's dental clinic*, a *school nurse* who can devote all her time to following up cases excluded by the medical inspector, and at clinic and open-air schools; a *social centre secretary* at the service of the various wards and organizations; an *instructor* for the school garden work to be continued all summer; a *competent man or woman* to supervise commercialized amusements, public dance halls, moving picture shows; and more ungraded schools. Such classes assist in holding the exceptional boy or girl in school, particularly if covering the work of 4th, 5th, and 6th grades.

The plan of sending boys into wholesome farm homes for the summer months has been encouraged,—here they earn a little money and gain wealth in strength and good morals.

This list of needs for supervision along definite lines of work may seem a long one and will cost money, but will pay in the end. More boys and girls get into trouble during the three months vacation with nothing to do than during all the rest of the year put together. The little poem from Denis McCarthy expresses the writer's views on the subject of wholesome recreation.

UNGRADED ROOM.

Washington School.

The whole number enrolled in this room was eighteen, nine girls and nine boys. Of this number, sixteen remained in school through the year and two left to go to work. Of the nine eighth grade pupils, five were regularly promoted to high school, two were recommended to summer school to do additional work, and two failed to make the grade. Of the seven seventh grade pupils remaining to the end of the year, five were regularly promoted to eighth grade and two were recommended to summer school for additional work.

SUMMER VACATION SCHOOL.

Elementary Grades.

The summer school for the elementary grades, 1914, was under the general charge of Miss Adeline Marvin, principal of the Draper school. She had five assistants, all of whom were members of the regular force of city teachers. This school continued six weeks from Monday, June 15th, and occupied the Brayton building. The daily sessions were held during the forenoons from 8 to 12 o'clock. The following table gives some of the facts in regard to the school.

Grades	Boys	Girls	Total Enrolled	No. withdrawn	No. remaining	No. promoted
Fourth	12	13	25	0	25	20
Fifth	26	17	43	2	41	27
Sixth	13	5	18	4	14	12
Seventh	12	13	25	3	22	15
Eighth	10	8	18	3	15	13
 Total	 73	 56	 129	 12	 117	 87

All pupils who did passing work, whether from public or private schools, were ranked as promoted and are so counted in the above table.

The cost of instruction in this school was \$550 for the session, which sum was paid by the Board of Education, tuition being free to all pupils admitted. This was an expenditure of \$4.70 for each pupil remaining through the full period, or \$6.32 for each pupil promoted.

High School Grades.

The number enrolled in the summer session for high school pupils was sixty-three. Work was given in three lines,—English, German, and Mathematics. The enrollment in each was as follows: English twenty-five, German seven, and mathematics thirty-one. The cost of instruction was paid pro rata by the pupils enrolled.

SCHOOL FOR THE DEAF.

The enrollment for the year was seven boys and six girls. Two boys and four girls were residents of Madison, the others coming from Waterloo, Watertown, Oregon, N. Freedom, and South Madison. Of the thirteen enrolled six were congenitally deaf, three were adventitiously deaf, three were word deaf, and one a stammerer.

In methods, plan, and scope the work resembled that of other years and the usual high standards were maintained in the lines of instruction. The subject of rhythm was given special attention and the pupils were taught to dance and march to music.

The older boys took manual training with the boys of seventh and eight grades, and one girl took domestic science with the girls of the same grades. The work in both cases was excellent. The lower grade children did basket weaving.

*Financial Statement*Receipts:

Balance on hand from last year.....	\$497.84
Receipts from state, 1913-1914.....	2,496.08
 Total receipts	 \$2,993.92

Expenditures:

Salaries of teachers.....	\$1,614.25
Board and transportation of non-resident pupils	718.06
Books and stationery.....	1.35
 Total	 2,333.66
 Balance at end of year.....	 \$660.26

CITY GARDEN ASSOCIATION.

The *City* Garden Association during the past season had under its direct supervision 165 little gardeners as against eighty during the previous season. This greater development was made possible by the \$500 appropriated by the board of education. The inability of the association to secure more vacant areas within walking distance of the schools, made it impossible to give work to all children that applied for gardens. An effort is being made to secure the use of the park strips in East Washington avenue for school gardens for the next season. If this is successful it will be possible to furnish gardens to all who may apply.

The Orpheum plot on Monona avenue with an adjoining strip furnished gardens for some twenty-five children. These plots with two other small strips were the only inside areas available. Large tracts in Mercer's Addition, University Heights, Vilas Park, Fair Oaks, and on East Washington Avenue, furnished the garden areas for the children of the outlying sections.

The money appropriated by the board of education and that secured by subscription was used principally for seed, plowing, and instruction.

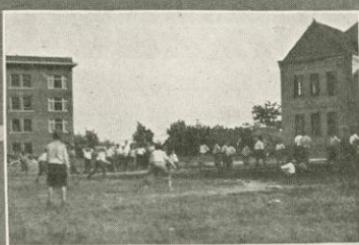
The very successful season was brought to a close by an extended automobile ride for the gardeners to the different city gardens, and a garden vegetable exhibit at the Capital square, where short speeches were made, prizes to the value of \$120 were awarded, and the children given a generous treat of ice cream. The success of the season's work was due largely to the work of the secretary, Mrs. L. E. Reber, to the co-operation of the school authorities, and to the generous gift of \$120 in prizes by the Savings Loan and Trust Company.

The influence of this garden movement upon the children associated with it cannot be adequately expressed in a few words. It was the universal testimony of careful observers that the children engaged in the work showed marked improvement in general bearing and conduct. There was less idleness and more industry, less mischief and more helpfulness, less indifference and more earnestness, less shiftlessness and more thrift. The dignity of labor was more appreciated and pride and self respect more common. Without question the garden movement is a most worthy one and its continuance should be assured.

THE PENNY SAVINGS FUND.

We are pleased to give below the report of Mr. Jacob Esser, Jr., the secretary of the Northwestern Building and Loan Association, who has taken charge of the Penny Savings Fund for some years. We wish to assure Mr. Esser and the women who have so efficiently aided in this work that their efforts are greatly appreciated, and that their continued support and co-operation is greatly to be desired.

By a contribution from the Woman's Club and a small appropriation from the expense fund of the association, a silver cup was purchased by the committee, Mrs. H. J. Parke, chairman, which cup is to be awarded for one year to the schools of the buildings in which the largest sum per capita on the enrollment was made to the savings fund during the preceding year. This



Summer Playground Activities.

cup is to become the permanent possession of the school winning it for three consecutive years. Because the schools of the Draper building have made the largest contribution to the savings fund for a number of years, the cup will remain in their possession during the present school year, 1914-15.

Receipts

Balance on hand as per last report.....	\$971.07
Amount received during the year.....	639.10
On deposits ledger credit.....	53.16
Total receipts	\$1,654.42

Disbursements

Amount drawn out by children.....	\$586.62
Amount orders drawn against the account.....	170.00
Balance on hand.....	43.57
Total disbursements	800.19
Balance ledger credit July 1, 1914.....	\$854.23

REPORT OF THE VARIOUS SCHOOLS FROM JULY 1, 1913, TO
JULY 1, 1914

Lincoln, Mrs. D. P. Wheeler.....	\$5.95
Brayton, Mrs. J. C. Frien.....	37.24
Doty, Mrs. Geo. W. Levis.....	13.18
Draper, Mrs. A. H. Smith.....	112.57
Marquette, Mrs. J. W. Wyne.....	46.16
Irving, Mrs. J. W. Herrington.....	7.51
Hawthorne, Mrs. R. F. Vitense.....	16.09
Lapham, Miss Meleta Barhan.....	4.10
Longfellow, Mrs. I. M. Kittleson.....	79.12
Randall, Mrs. W. H. Dudley.....	5.68
	\$327.60

From the figures you will see that less money was saved than in previous years. While it is good business to teach the young to save, a lot of indifference is felt, and upon urgent solicitation of some of the ladies interested in the work, in order to enthuse more interest in saving a

prize was offered which is a silver cup to be held by the school that shows largest sale of stamps or returns of money. It is hoped that this will create a little more interest.

I wish to thank all who have interested themselves in this good work.

You will see from the statement that \$170.00 was drawn against the account and reduced the said fund that amount on account of the large number leaving the ward schools and entering higher schools.

All of which is respectfully submitted,

JACOB ESSER, JR.,
Secretary.

MRS. H. J. PARKE, *Chairman Committee.*

THE PUBLIC LIBRARY AND THE SCHOOLS.

The hearty and helpful co-operation between the schools and the library has continued during the year. The work in the children's department has been strengthened and made more effective under the direction of our well trained children's librarian, Miss Beal. The work of the high school branch has been very helpful and satisfactory. Every month more fully demonstrates the value of this department and justifies its establishment from both an economic and an educational stand point.

In speaking of the children's department, Miss Smith says:

"The children's department has felt again the influence of a trained children's librarian in all lines of its work. The story hours were resumed. The one for little children was held seventeen times with a total attendance of 2,119 children and an average of 124. The older children had five Robin Hood stories with a total attendance of 173, or an average of thirty-four.

The circulation of books through the schools surpassed all previous records, 20,427, and shows again the co-operation of teachers. A large part of the increase appears in the lower grades, where the library has not before supplied a sufficient number of books and has even yet not enough for the demand. All signs point to the fact that in the lower grades is the strategic point to interest children in books, especially those children whose school life is to be only a few years. The children's librarian has visited the school-rooms 120 times, told stories, and given short book talks.

The number of books circulated on teachers' cards appears in figures much less than last year. This apparent loss was due to a change in

method of charging these books and renewing them. The number of pictures loaned increased from 4,062 to 7,641.

Library instruction has been given in all eight grades of the public and parochial schools except St. Bernard's. The same plan was followed as has proven satisfactory in previous years. Fifty-six talks were given by the librarian and 328 children taught. With the students in the high school receiving instruction from the high school librarian, 890 young people in all received last year instruction in the use of a library."

The High School Branch

In her report Miss Ives, Librarian of High School branch, says:

"The Madison High School library has been kept open from 8:15-11:50 A. M. and from 12:30-5 P. M. on school days and from 10 A. M.-12 M. on Saturdays. A record of attendance was kept from April 21st through May 29th. During this period the average attendance in school hours was thirty for each forty minute period. There are four forty minute periods in the morning session and three in the afternoon. The maximum attendance at any one period was fifty-two, the minimum fourteen.

The total number of books and pamphlets loaned during the year was 7,984. This does not include the books in the outside English reading collection which are kept at the main library and circulated from there. One hundred sixty-five books, eighty-eight pamphlets, and 210 pictures have been taken from the main library to the high school library. About thirty books have been reserved at the main library during the year for reference work by the students. Nine new reference lists have been prepared for the teachers and five have been revised.

The work in library instruction has been continued. The same course that was given to the first year pupils last year was given again in the first year English classes this year. Seventy-five recitations were held, and 314 students took the course. A second year course in the use of reference books was organized and given in the second year English classes. Each class was given five lessons of forty minutes each, fifty-five recitations being held and 258 students taking the course.

Volumes in library July 1, 1913.....	1,816
Added by gift.....	146
Added by purchase.....	515
	661
	— 2,477
Withdrawn	27
Volumes in library July 1, 1914.....	2,450

MUSIC.

The work of the department of music was somewhat interrupted by the unexpected resignation of Mrs. Heath in December. Miss Sunstrum, the assistant supervisor, aided by Miss Alice Keith, carried on the work successfully until March 1st, when Miss Anna Menaul, the new supervisor, took general charge. Miss Keith continued her work in the high school and Miss Sunstrum assisted in the grades. All did excellent work, a high standard was maintained, and the results for the year were gratifying.

In speaking of the methods and purposes of the department Miss Menaul says:

Rote singing, based on imitation and memory, forms the first stage of the child's musical progress. It furnishes the largest proportion of the work in the lower grades and is the foundation of all work throughout the grades.

The first purpose is to develop the musical sense. This is best accomplished through a large number of suitable rote songs. The staff notation is the real basis of the study of vocal music and is first introduced through rote songs.

We should try to give pupils the ability to read music in a musical manner. In this way we increase their interest both in school and after they leave it. Lack of interest in music many times is due to a lack of ability to read.

DOMESTIC ECONOMY.

Grades

The following report was made by Miss Lucile Reynolds, Director of Domestic Economy:

The entire time of three teachers has been devoted to the work in domestic science in the grades. The work in cooking in the seventh and eighth grades has been practically the same as was outlined in the course of study for 1912-1913. The work in fifth and sixth grade sewing has been changed with a view to making the work more practical. The material for the work in sewing has been furnished by the pupils with the exception of two models made in the fifth grade.

High School

The entire time of two teachers has been devoted to the work in the high school, and in addition to this, the director has had two classes, one in food work and cooking and one in sewing, throughout the year. The work in first year sewing and textiles has alternated with domestic art and the two departments have coöperated in the working out of two problems,—a Christmas problem and a school dress. The course followed in sewing is practically the same as is outlined in the course of study.

The course in food working and cooking has been enlarged and two classes of second year girls have reported for two periods daily for the entire year. One course was offered for the girls which alternated cooking and domestic art throughout the year. The former course, domestic science five times a week, is much more satisfactory, although very gratifying results have been obtained in both cases.

Cost of Material

Grades Fifth and Sixth:

Needles	\$1.31
Yarn	1.60
Canvas	6.00
Tag board .....	.60
Darning cotton .....	.15
 Total cost	\$9.66
No. pupils enrolled:	
Fifth grade	206
Sixth grade	173
 Total	379
Cost per pupil for year.....	2½¢

Grades Seven and Eight:

<i>School</i>	<i>Groceries and meat</i>	<i>Laundry</i>	<i>Total</i>
Doty	\$99.50	\$6.32	\$105.82
Irving	105.13	6.48	111.61
Longfellow	57.70	4.76	62.46
 Supplies as above.....	\$262.33	\$17.56	\$279.89
Towelling and cheese-cloth.....			16.80
Rolls of paper.....			5.72
 Total cost for material.....			\$302.41

No. pupils enrolled:

Seventh grade	205
Eighth grade	169
Ungraded room	5
Deaf school	3
Total	382
Total cost per pupil for material.....	79c

High school grades:

Sewing materials:

Needles for machines.....	\$4.44
Textile materials	5.46
Style books .....	.50
Rolls of paper.....	8.16
Food and cooking materials:	
Groceries and meat.....	\$198.13
Laundry	19.72
Ice	3.25
Rolls of paper.....	7.16

Total cost of material.....	\$246.80
Less cash for food sales and luncheon refunded.....	44.81

Net cost of material..... \$201.99

Summary of Cost of Material

Grades five and six.....	\$9.66
Grades seven and eight.....	302.41
High school grades.....	201.99
Total cost of material.....	\$514.06

Cost of New Equipment and Replacements

Randall School:

2 sewing machines	\$39.00
2 pairs buttonhole scissors.....	1.40
1 mirror	5.50
1 palm roll cutter.....	1.00
	\$46.90

High School:

Table linens .....	.....
Utensils .....	.....	\$25.31
Electric iron .....	.....	3.50
Ironing board .....	.....	2.00
Towelling and cheese-cloth.....	.....	8.32
	_____	39.13
Total .....	.....	\$86.03

MANUAL TRAINING.

The following report was made by Mr. Paul Graven, Director of Manual Training:

Grades

The industrial work in the lower grades has been of the same type that was carried on during the last school year.

Boys doing work in the upper grades have been constructing problems of a larger type, believing that better work is possible and better results are gained with less cost to the city. Each ward school has been equipped with a large library reference table and many pieces of equipment for shop use have been made. It is planned to broaden this kind of work next year.

High School

The work in the first and second year high school classes has been changed from time to time, but the purpose has been the same. We have completed many problems in the shops that have become a part of the regular equipment of the school. This work has all been based on group or community types and has been exceptionally successful. Below is a detailed list of these problems, showing the cost of materials to the Board of Education, and also the cost of the same if it were obtained from the factory.

<i>Problems</i>	<i>Total cost to Board</i>	<i>Cost at Factory</i>
26 bulletin boards	\$23.40	\$39.00
4 large bulletin boards.....	6.00	30.00
1 storage case	13.00	30.00
1 hardware case	10.00	25.00
3 library tables	9.00	54.00
1 office case	8.00	15.00
6 doz. vice-handles	2.88	18.00
2 doz. mallets	3.60	18.00
	_____	_____
	\$75.80	\$229.00



Awarding Prizes to Summer Garden Children. Some garden plots.

It will be observed that the above pieces have become a part of the regular and necessary equipment of the schools and that the cost has been only that of the material used.

Recommendations

I call your attention to the following urgent needs of the department and would recommend:

1. That a new center be located near the Hawthorne school so as to relieve the pupils in the grades of that school from walking the distance to the shop that they now do.
2. That the different school shops be equipped with a sufficient number of tools to make the work possible for the large classes that now attend.
3. That the number of pupils in each class be limited to twenty, instead of twenty-five and thirty.
4. That the shops be remodeled so as to make the every day work of the instructor more pleasant.

Cost of Materials

The cost of materials for operating the department for the year 1913-1914:

First, second, third, and fourth grades:

11 barrels clay.....	\$55.00
Raffia	30.00
Reed	19.00
	<hr/>
Total cost	\$104.00

Number of pupils.....	1,955
Cost per pupil.....	5c

Fifth, sixth, seventh, and eighth grades:

Lumber, stain, etc.....	\$528.70
Equipment	60.00
	<hr/>
Refund	\$428.70
	<hr/>
Net cost of material.....	16.00
	<hr/>
Number of pupils.....	\$412.70
Cost per pupil.....	737
	<hr/>
Cost per pupil.....	56c

High School:

Lumber, stain, etc.....	\$431.19
Value of equipment made for school.....	\$60.00
Refund from pupils for material.....	26.00

	86.00
Net cost of material.....	\$345.19
Number of pupils.....	133
Cost per pupil.....	\$2.60

ART DEPARTMENT.

The drawing and art work received intelligent direction through the elementary and high school grades. In the lower grades the study of plants was given an important place for the purpose of giving the pupils "eyes" with which to see and for cultivating the power to express in form what has been observed. Perspective and other phases of technique in elementary art received due attention.

Design and the application of its principles to construction problems received special emphasis. The effort was to throw art design into all constructions, from the simple articles of the lower grades to the more complex and finished craft work of the high school. In all exercises the aim was to apply the principles of design to various problems of the school, of dress, and of home furnishings. The combining of the useful and the artistic into one constructive product is an achievement of no low order and has value from both an economic and a *cultural* point of view. Artistic judgment is a valuable asset in any line of vocational effort, and the artistic sentiment elevates the industrial arts into greater importance as factors in *culture* training.

Drawing is taught in the schools in some degree for its practical value; but the main emphasis is placed upon its value as a fine art. This is done not for the purpose of making master artists, but with the thought of cultivating in all a taste that will find expression in dress, in home and everyday surroundings, in the unity and balance of arrangement, and in harmony of

colors. Few become artists, but all may learn to appreciate and enjoy in some degree the simple and the beautiful as found in nature and as expressed in the best works of art.

PHYSICAL TRAINING DEPARTMENT.

The work in this department was carried on under the direction of Mr. Frank Winters, assisted by Miss Irma J. Baus and Mr. Forrest Anderson.

For the first time the physical activities connected with the elementary grades have been under a special instructor and have been carried on in a systematic manner. The work in these grades was well organized, right standards were established, and a manly, sportsmanlike spirit was encouraged. Miss Baus took charge of the girls' classes in the high school and the calisthenic drills in the primary grades. She also gave valuable assistance in directing the games and folk-dancing for the girls and smaller boys in the school buildings and on the school grounds. At the close of the year two open-air festivals were held, one in Tenney Park and one in Vilas Park. These were highly successful and well worth while. It would seem advisable to make these festivals annual events.

The whole department was well organized, an excellent spirit was present in all activities, and intelligence marked the planning and carrying out of all parts of the work.

HEALTH SUPERVISION.

During the past year the medical inspection department has been administered in such a way as to make it a valuable agency for the protection and promotion of child health in the schools, and to so improve general conditions that all children may be given the best possible opportunity for growth and educational advancement.

We are pleased to insert here a somewhat abridged report of Dr. Sullivan's on the work of the year:

GENTLEMEN:

I have delayed sending in my annual report in order that I might more accurately inventory the work of this department during the past school year, inasmuch as during the summer months a great number of children were given the needed medical, dental, and surgical treatment recommended by us. The results this year are even better than last, due largely to better co-operation and greater willingness on the part of both parents and physicians to further our efforts, and also due to far more intelligent support from the teachers.

One thousand and ninety-two children were found to be in need of medical or dental services, and sixty-nine per cent of these children were cared for and the conditions remedied during the past four or five months.

Better control of the contagious disease situation, entirely aside from the help which could be extended in hygienic and physical benefits, would richly pay the several schools which are not now enrolled in the medical supervision system. The Medical Supervisor sincerely hopes that another effort will be made to enlist these schools, as he is positive that his work can be much more effective if all the school children in the city follow the same standards.

Contagious Disease

Careful records and an accurate graphic chart of the cases of contagious disease in the schools under our control have been maintained for the past two years, and the figures show a marked decrease in the total number of cases this past year. Several factors are responsible for this:—First, parents and physicians last year maintained a more intelligent quarantine and abided by the spirit of the quarantine laws far better than during the previous year. Second, the Board of Health kindly passed some new quarantine regulations at our request, and, while they did not feel those were necessary, the wisdom of these measures is now fully evident in the results obtained.

The marked improvement in general cleanliness in all schools during the past year proves conclusively that the results obtained by the Medical Supervision department are in direct proportion to the intelligent, loyal, and untiring co-operative efforts on the part of the teachers.

Soap and Towels

Several times the Medical Supervisor has recommended that some provision be made so that the children and teachers would be able to wash their hands in the school buildings. It seems very unfortunate indeed that we do not provide means for the children to wash their hands after going to the toilets. I am certain that it is our moral duty

to supply them with soap and towels as a matter of education, if for no other reason. Some very dirty boys have explained that their hands and faces were dirty because there was no provision for cleaning them up after their manual training exercise, in which they could not avoid becoming soiled.

Open-Air Schools

The Medical Supervisor is anxiously awaiting the opening of an open-air room in the new school building as per the agreement of the Board of Education on October 7, 1913. The list of children who are eligible for this school has increased considerably this past year, and we have a number of boys and girls who are physically unable to do good work, and whose work and health would be put in first class order within a few months in an open-air school.

Expense

Last year with 4,324 children under the charge of this department, our total per capita expense was 37.2 cents. This year with 4,842 children, our per capita cost is 32.2 cents. Of the \$100 appropriations allowed for general expenses of this department last year, \$69.55 was used, making a total expenditure for this department for the past year of \$1,569.55.

Dental Clinic

The Medical Supervisor respectfully requests the school board, as a personal favor, to set aside one room which is well lighted, and which may be readily provided with running water and heat. If this may be had, he will assume the burden of organizing, equipping, and administrating a dental clinic for our school children. The most neglected, and at the same time one of the most important structures in the bodies of our school children, is their teeth, and a special department for handling teeth of children would be one of the greatest factors for good in this community which we could possess. This equipment alone would double the present efficiency of this department, and it is earnestly hoped that a room may be set aside at once for this purpose.

SUMMER PLAYGROUNDS.

During the past summer supervised playground activities were confined to three centers,—the Marquette, the Doty, and the Longfellow school grounds. The Park and Pleasure Drive Association took full charge of all activities at the Brittingham bath house and the committee on playgrounds of the Board of Education took charge of the work at the Tenny Park bath house. At this place two competent instructors in swimming were employed, one for the boys and one for the girls. Bathing activities and swimming instruction were also furnished on Lake Monona, near the mouth of the Yahara river.

The work for the season was under the general direction of the committee on playgrounds and the immediate supervision of the head of the physical training department in the city schools. Eight assistants were employed, four young men and four young women.

The attendance at all the centers was good, that at the Marquette grounds being the largest. The usual activities were employed and the work was all carried on in an intelligent and helpful way.

The total amount spent for the playground activities was \$1,243.44. Of this sum \$1,036 were spent for salaries and \$207.44 for apparatus and supplies.

CITIZENS' VISITING COMMITTEES.

For years the president of the Board of Education has appointed annually a number of citizens to serve as members of committees to visit and inspect the schools of the city. The usual practice was to appoint three committees,—one for the high school, one for the grammar grades, and one for the primary grades. Last year a change was made and separate committees were appointed for the several school buildings in the city. This plan interests a larger number of citizens in the schools.

and furnishes to the Board and the superintendent a wider range of suggestions and helpful criticism.

The reports of the different committees were valuable and especially helpful to the school interests. The members of the committees for the elementary schools took unusual interest in the work of the schools and the reports made to the committee on teachers were suggestive and helpful. The work of the committee for the high school was also systematically and conscientiously performed and the report showed that observations had been made with painstaking fairness and intelligence.

Respectfully submitted,
R. B. DUDGEON,
Superintendent.



Community Recreation Party. Randall School.

REPORT OF THE PRINCIPAL OF THE HIGH SCHOOL

MR. R. B. DUDGEON,
Superintendent of Schools,
Madison, Wisconsin.

MY DEAR SIR:—For four years it was my privilege to serve as principal of the Madison High School, and it was with a keen sense of regret that I resigned the position to enter another field. The high school as I left it should be accepted as my final report. In its up-building, I enjoyed the good will, loyal support, and the inspiration of an industrious, enthusiastic, conscientious, and competent group of teachers. The weaknesses of the school which remained uncorrected or which developed during my connection with the school must in the last analysis be charged to me. I am sorry that time did not permit me to put into concrete form many more of my aspirations. In addition to the splendid contributions of the teachers, I take pleasure in recognizing the hearty coöperation of the pupils as a whole who happily joined us in our efforts to develop a real cosmopolitan high school, which would guarantee to every individual, with adequate preparation and power, an opportunity to do a reasonable amount of consecutive work in art, domestic science, sewing, manual training, and commercial work, without neglecting English, mathematics, science, history, and foreign languages.

The completion of the addition to the high school building, spoken of in my last report, was much delayed. Consequently it was late in the year before the department of manual training could occupy its new quarters. While there was no increase in the number of rooms available for manual training the new rooms were better suited to the needs of the department and as a result the quality of the work was much improved. Two of the splendid rooms vacated by the manual training department afforded the needed relief to the commercial department; one room was given over to civics and one of the large recitation rooms was made available for work in the languages. The high school building was again in use to its full capacity and in addition one of the residences on Carroll Street was continued as the home of the art department. Fifty one first year pupils were enrolled in the Junior High School at Randall.

During the four years of my connection with the high school not a single new department was added. All possible energy was expended in organizing, vitalizing, and developing the lines of work already offered. As the school improved fewer pupils left before the completion of the course thus adding much to the enrollment. Each year additional teachers were provided and additional equipment purchased. Changes were gradually made in the courses of study offered and in June 1914 the courses were further extended and simplified. Two important changes were made in the arrangement of studies in the commercial group: Courses A, covering two years, is open to students who have completed two years of high school work; Course B, a one year course, is open to pupils who have completed three years of work and also to high school graduates. In the art and domestic science departments two year courses have been extended to three year courses. The three year course in mathematics has been extended to four by adding Mathematics VII—Trigonometry, and Mathematics VIII—Reviews. Biology, a year's course, including plant and animal biology and human biology, has been introduced as an elective for third and fourth year pupils in place of a full year of botany or a year of botany or a year of animal studies including a semester of zoology and a semester of physiology.

The studies offered and the units of credit given for each, the subjects required of all, and the suggested groups of studies are inserted at the end of the report, for record and reference.

It would not be fitting for me to make detailed recommendations for future developments in secondary education in the City of Madison. My opinions and hopes have been expressed many times to you and to the Board of Education. I am firm in the belief, however, that if the system of junior and senior high schools already established be further developed so as to include the entire city, that if in planning the content of courses of study advantage is taken of this new grouping, that if continued and increasing stress be put upon doing important things well, Madison will not only render invaluable service to all those who are fortunate enough to go to its schools, but will make a positive contribution to educational practice in the United States.

Respectfully submitted

THOS. LLOYD JONES.

HIGH SCHOOL ENROLLMENT

Year	Tardiness	Per cent of attendance	Enrollment
1899-1900.....	372	95	578
1900-1901.....	275	95	587
1901-1902.....	270	96	577
1902-1903.....	348	96	594
1903-1904.....	380	95	597
1904-1905.....	356	96	583
1905-1906.....	401	96	620
1906-1907.....	768	95.1	611
1907-1908.....	1,464	95.7	602
1908-1909.....	1,231	95.4	672
1909-1910.....	841	95.7	728
1910-1911.....	2,895	96.2	765
1911-1912.....	2,876	95.8	904
1912-1913.....	3,024	95.2	983
1913-1914.....	2,218	96.17	*1,065

*(This includes 51 first year pupils enrolled in the Junior High School at Randall.)

Table showing gains and losses in attendance during the past fifteen years.

Year	Boys	Girls	Gain		Loss	
			Boys	Girls	Boys	Girls
1899-1900.....	266	312	4	40	.....	.....
1900-1901.....	237	350	.....	38	29	.....
1901-1902.....	221	356	.....	6	16	.....
1902-1903.....	238	356	17	.....	.....	.....
1903-1904.....	248	349	10	.....	.....	7
1904-1905.....	272	311	24	.....	.....	38
1905-1906.....	276	344	4	33	.....	.....
1906-1907.....	278	333	2	.....	.....	11
1907-1908.....	277	325	.....	.....	1	8
1908-1909.....	312	360	35	35	.....	.....
1909-1910.....	333	395	21	35	.....	.....
1910-1911.....	359	406	26	11	.....	.....
1911-1912.....	403	501	44	95	.....	.....
1912-1913.....	440	543	37	42	.....	.....
1913-1914.....	464	601	24	58	.....	.....

(The 51 first year pupils at the Junior High School at Randall are included.)



Voting in the School Houses—Election Day.

COMMENCEMENT PROGRAM

Invocation	Rev. E. G. Updike
Music—The Recessional—DeKoven	High School Chorus
Salutatory and Oration—An Appeal for the Preservation of Indian Mounds	Joseph Deming
Music—Grand March from "Aida"—Verdi—Arr. by Tobani	High School Orchestra
Address	Prof. Howard L. Smith
Music—Spring Song—Gounod	Girls' Sextette
Valedictory—Women in the World's Work	Marjorie E. Hendricks
Presentation of Diplomas	Mr. George Kroncke
	President of Board of Education
Benediction	Rev. E. G. Updike
Music—March—Fidelity—Losey	High School Orchestra

LIST OF GRADUATES, 1914

Alford, Elizabeth Rachel	Campbell, Lucille E.
Andrews, Lulu Belle	Carey, Ray
Arthur, Helen Hesketh	Carroll, Lawrence Kinzie
Auerswald, Edgar H.	Charles, Evelyn Ruth
Baer, Raymond William	Clarke, Vera M.
Ballert, Walter F.	Coburn, Vera
Bamford, A. Gertrude	Coffman, Ramon
Barlow, Bessie Luella	Conradson, Harvey Prentice
Bascom, Deane Smith	Cramer, Herbert L.
Bates, Otto F.	Cranefield, Marion C.
Batty, Helen Margaret	Cranefield, Paul Frederic
Beecher, Dorothy	Cronin, Helen C.
Bentley, Faye Oretta	Curtin, J. Leslie
Benway, Frank Emphy	Curtiss, Fredrick Willard
Bernard, Francis Charles	
Bigelow, Lowell R.	Dahlen, Caleb Manuel
Bigelow, Vieva M.	Daley, Frances Mary
Bloomer, Leo J.	Danielson, Mabel Isabelle
Bodenstein, Alexander F.	Dellinger, John Grant
Bollenbeck, Ida C.	Deming, Joseph Byron
Borden, Wm. Henry	Dodge, Newell Phelps
Brainerd, Clifford	Donovan, Margaret
Brennan, Leo Thomas	Drake, Ronald Irwin
Brown, Helen Anne	
Brown, Theron A.	Eaton, Helen Orrissa
Bryant, Keren	Eaton, Howard Ormsby
Bulovsky, Helen C.	Edwards, Hazel S.
Burg, Oliver M.	Edwards, Oliver J.
Burlingame, LeRoy James	Ellestad, Grace Adele
Burmester, Calla Lillian June	Ellman, Ben Louis
Burrowbridge, Clarence J.	Esser, Mollie Mary

Faber, Catherine
 Fauerbach, Clara Vierling
 Felsher, Rosa
 Ferguson, Mary Josephine
 Fernald, Mabel Grace
 Findorff, Dorothy Catherine
 Flad, Catherine E.
 Forrand, J. Leland
 Frish, Evelyn
 Fuller, Edward

Gausman, Fay Wallace
 Gibbon, Martha
 Gruendler, Albert V.
 Gunkel, Frederick Peter

Haak, Marie J.
 Hahne, Walter George
 Hamilton, James W.
 Hansen, Jeannette Marguerite
 Hanzlik, Naomi
 Hartman, Edna Gertrude
 Hedquist, Arthur
 Heisig, Esther Helen
 Hendricks, Marjorie Ethel
 Higgins, Catherine R.
 Hoffman, Lavona M. D.
 Hogan, Irene Frances
 Holland, Fannie
 Hoppmann, Ruth Bertha
 Huegel, Lillian Elizabeth
 Humiston, Beatrice Hayden
 Hyslop, Volney B.

Jones, Doris Elizabeth
 Jones, Mildred Elizabeth

Kanouse, Georgia Bernadine
 Karn, Vincent F.
 Kepke, Clara Louise F.
 King, Alice Van Patten
 King, Edna Mae
 Kinney, John Leo
 Kleinheinz, Theresa Marie
 Kuhns, Ruth C.

Lingle, Paula Elizabeth Nancy

Maloney, William
 Manuel, Tom
 Marling, Wm. W.
 Marshall, Richard Hughes
 McCarthy, Stanley James
 McCormick, Ethel Helen
 McCormick, Gregory Henry

McMurry, Morland J.
 Melby, Eva
 Melcher, Burton Walter
 Metz, Henry Lawrence
 Miner, Clarence Crosair
 Moery, Hildegard Catherine
 Montgomery, Robert B.
 Murphy, Lawrence W.
 Myrland, Otto Eugene

Nash, Myrtle Mary
 Nehrenz, Percy Arthur
 Neubauer, Corinne Rosetta
 Nielson, Marion Helene
 Northam, Edna

O'Malley, Frances Mary
 Owen, Gordon

Parkinson, Helen Elizabeth
 Peters, Avis Marie
 Peterson, Otto
 Peterson, Effa Irene
 Polk, Irene Genevieve
 Porter, Mary E.
 Porter, Paul Wood
 Potter, Ellis D.

Qualey, George R.
 Quick, Armand J.
 Quisling, Axel

Radke, Orville E.
 Reed, Ethel Blanche
 Rindy, Ethel Genevieve
 Rowe, Doris Cecil

Salsman, Alice Louise
 Scheid, Garnetta E.
 Schernecker, Edward G.
 Schlotthauer, Gertrude
 Schlotthauer, Oscar
 Schnackenberg, Myrtle
 Schneider, Claire L.
 Schustedt, Sarah Charlotte
 Segerson, Paul William
 Sharp, Malcolm Pitman
 Shiels, Kenneth G.
 Sichler, Clarence
 Sinaiko, Sarah Rhena
 Skelton, Agnes Cecelia
 Slichter, Allen M.
 Snell, Joseph Warren
 Snow, Lolo I.
 Snyder, Mary

Spensley, Sally
Statz, Rosalin C.
Stenjem, Eldon Mandt
Stevens, Wayne H.

Tandberg, Gunda
Taylor, Doris Nelle
Teckemeyer, Russell Arthur
Tormey, Loretto Eden
Twohig, Marie Evangeline

Vernon, J. Rexford
Vitense, Jessie Elizabeth

Wald, Helen
Warner, John Clement
Wells, Margaret A.
Wiedenbeck, Gerold Paul
Wirka, Raymond M.
Wise, Gladys Minnie

Zwicker, Michael

COURSES OF STUDY

ANCIENT CLASSICAL
LATIN
SCIENCE
COMMERCIAL
MANUAL ARTS

MODERN CLASSICAL
GERMAN
ENGLISH
GENERAL

GENERAL INFORMATION

1. Admission to the Madison High School may be upon:
 - a. Certificate showing that the pupil has completed the work of one of the elementary schools of Madison, or that he has completed the equivalent work in some recognized school outside of Madison.
 - b. Passing satisfactory examinations in grammar, composition, history, arithmetic, and geography.
2. The selection of studies must as a rule be made from the studies of the year in which the pupil is classified. Any other arrangement must be made with the principal.
3. No study can be discontinued before its completion without the consent of the principal.
4. Credit, not to exceed one unit, will be given for satisfactory work in music as follows: High School Chorus or High School Orchestra, two periods per week for four years, one unit; two periods per week for two years, $\frac{1}{2}$ unit. No credit will be given for less than two years of consecutive work.
5. In determining the classification of a pupil, account will be taken of unfinished work. A pupil having more than $1\frac{1}{2}$ units of unfinished work must remain classified in the lower grade until such work is completed.
6. The classification of a pupil from other schools will be determined when he furnishes evidence of his previous work.
7. 16 units will be required in all courses for graduation.
8. If a pupil desires recommendation to any college, he must so select his studies as to fulfil the requirements of that college.

July, 1914.

STUDIES OFFERED AND UNITS OF CREDIT GIVEN FOR EACH

(A credit of one unit will be given for the completion of a study taken five times a week for one year.)

ART—3 units Domestic Art, 2½ units

First Year.

Art I, II.....	1	unit
Domestic Art I, II.....	½	unit

Second Year.

Art III, IV.....	1	unit
Domestic Art III, IV.....	1	unit

Third Year (New).

Art V, VI.....	1	unit
Domestic Art V, Costume Design.....	½	unit
Domestic Art VI, House Decoration.....	½	unit

COMMERCIAL WORK.

A. Covering two years—7½ units.

Third Year.

Commercial Arithmetic	½	unit
Bookkeeping I, II.....	½	unit
Stenography I, II.....	1	unit
Typewriting I, II.....	½	unit
Penmanship	¼	unit
Spelling	¼	unit

Fourth Year.

Commercial Law	½	unit
Industrial History	½	unit
Economics	½	unit
Bookkeeping II, III.....	1	unit
Stenography III, IV.....	1	unit
Typewriting III, IV.....	½	unit
Business English	½	unit

B. Covering one year.

Fourth or Fifth Year.

Stenography B, A.....	2	units
Typewriting B, A.....	1	unit
Bookkeeping B, A.....	1	unit

DOMESTIC SCIENCE—2½ units.

First Year.

Sewing I, II.....	1½	unit
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Second Year.

Sewing I, II.....	½	unit
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Third Year (New Work).

a. Household Management	½	unit
b. Dressmaking	½	unit

ENGLISH—4 units.

First Year.

English I, II, Composition and Reading..... 1 unit

Second Year.

English III, Composition and Reading..... $\frac{1}{2}$ unitEnglish IV, American Literature and Composition.. $\frac{1}{2}$ unit

Third Year.

English V, Study of Types in Literature..... $\frac{1}{2}$ unitEnglish VI. Composition $\frac{1}{2}$ unit

Fourth Year.

English VII and VIII, English Literature and Composition 1 unit

GERMAN—4 units. Three courses, offered as follows:

1. Four year course..... 4 units
2. Two year course for students who have taken no other foreign language..... 2 units
3. Two year course for those pupils who have studied Latin 2 units

HISTORY—2 units required.

A. Two year course.

Third Year. English History I, II..... 1 unit

Fourth Year. U. S. History I, II..... 1 unit

B. Three Year Course.

Second Year. Ancient History I, II..... 1 unit

Third Year. Modern History I, II..... 1 unit

Fourth Year. U. S. History and Government I, II 1 unit

CIVICS I, $\frac{1}{2}$ unit credit is offered as an elective in the first year.

LATIN—4 units.

First Year.

Latin Lessons 1 unit

Second Year.

Caesar and Latin Composition..... 1 unit

Third Year.

Cicero and Latin Composition..... 1 unit

Fourth Year.

Vergil 1 unit

MANUAL TRAINING—3 units.

First Year.

Manual Training I, II, Bench Work..... $\frac{1}{2}$ unitMechanical Drawing I, II..... $\frac{1}{2}$ unit

Second Year.

Manual Training III, Woodturning... }..... $\frac{1}{2}$ unitManual Training IV, Pattern-making }..... $\frac{1}{2}$ unitMechanical Drawing III, IV..... $\frac{1}{2}$ unit

Third Year. (New Work)

Manual Training V, VI, Forging..... $\frac{1}{2}$ unitMechanical Drawing V, VI, Architectural Drawing.. $\frac{1}{2}$ unit

MATHEMATICS—4 units.

First Year.

Mathematics I, II, Elementary Algebra..... 1 unit

Second Year.

Mathematics III, IV, Plane Geometry..... 1 unit

Third Year.

Mathematics V, Higher Algebra..... $\frac{1}{2}$ unitMathematics VI, Solid Geometry..... $\frac{1}{2}$ unit

Fourth Year.

Mathematics VII, Trigonometry $\frac{1}{2}$ unitMathematics VIII, Review Mathematics..... $\frac{1}{2}$ unit

SCIENCE—4½ units.

First Year.

Elementary Science $\frac{1}{2}$ unit

Second Year.

Geography I, II..... 1 unit

Third and Fourth Years.

Physics I, II 1 unit

Chemistry I, II..... 1 unit

Biology I, II (New)..... 1 unit

Nine courses of study are suggested, five of which require foreign language as follows:

1. Ancient Classical: Four units of Latin and two units of Greek.
2. Modern Classical: Four units of Latin and two units of German or French.
3. Latin: Four units of Latin.
4. German: Four units of German.
5. Science: Two units of Latin, German, or French.

The remaining four courses, English, Commercial, Manual Arts, and General, are designed not only to be cultural in character, but also to equip the pupil for commercial and business lines.

GENERAL COURSE

First Semester

Second Semester

FIRST YEAR

English I

English II

Mathematics I

Mathematics II

Physical Training I

Physical Training II

Elect Two

Latin I

Latin II

German I

German II

Elementary Science I

Civics I

Manual Training I

Manual Training II

Sewing and Domestic Art I

Sewing and Domestic Art II

Art I

Art II

SECOND YEAR

English III	English IV
Mathematics III	Mathematics IV
Physical Training III	Physical Training IV

Elect Two

Latin III	Latin IV
German III	German IV
History, Ancient I	History, Ancient II
Geography I	Geography II
Manual Training III	Manual Training IV
Cooking I or Domestic Art III	Cooking II or Domestic Art IV
Art III	Art IV

THIRD YEAR

English V	English VI
Chemistry, or	Chemistry, or
Physics, or	Physics, or
Biology	Biology

Elect Two

Latin V	Latin VI
German V	German VI
German, Science I	German, Science II
German, Classical I	German, Classical II
Greek I	Greek II
French, Science I	French, Science II
French, Classical I	French, Classical II
Norse 1	Norse II
Modern History I	Modern History II
English History I	English History II
Mathematics V	Mathematics VI

If Ancient History is not elected in the second year, English History becomes a required subject in the third year.

FOURTH YEAR

English VII	English VIII
U. S. History and Government	U. S. History and Government

Elect Two

Latin VII	Latin VIII
German VII	German VIII
German, Science III	German, Science IV
German, Classical III	German, Classical IV
French, Science III	French, Science IV
French, Classical III	French, Classical IV
Greek III	Greek IV
Norse III	Norse IV
Mathematics VII, Trigonometry	Mathematics VIII, Reviews
Chemistry or Physics or Biology	Chemistry or Physics or Biology
Commercial Law	Economics
Geography A	Geography A

COMMERCIAL COURSE

Synopsis:

1. English	3 1/2 yrs.	7. Stenography	2 yrs.
2. Mathematics	2 1/2 yrs.	8. Typewriting	1 yr.
3. Geography	1 yr.	9. Penmanship and Spelling	1/2 yr.
4. History	1 1/2 yr.	10. Business English ..	1/2 yr.
5. Bookkeeping	1 yr.	11. Electives	2 yrs.
6. Bk. or Economics..	1/2 yr.	12. Physical Training..	2 yrs.

FIRST AND SECOND YEARS

The same as outlined for the General Course. Geography a required subject in the second year.

THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
English V	1/2 unit	English VI	1/2 unit
Commercial Arithmetic..	1/2 unit	Bookkeeping I	1/2 unit
Stenography I	1/2 unit	Stenography II	1/2 unit
Typewriting I	1/4 unit	Typewriting II	1/4 unit
Penmanship	1/4 unit	Spelling	1/4 unit

FOURTH YEAR

Commercial Law	1/2 unit	Industrial History	1/2 unit
Bookkeeping II	1/2 unit	Bk. III or Economics....	1/2 unit
Stenography III	1/2 unit	Stenography IV	1/2 unit
Typewriting III	1/4 unit	Typewriting IV	1/4 unit
Business English	1/4 unit	Business English	1/4 unit

If language is to be taken it should be elected the first and second years.

ANCIENT CLASSICAL COURSE

Synopsis:

1. Latin	4 yrs.	5. Science	1 yr.
2. Greek	2 yrs.	6. History	2 yrs.
3. Mathematics	2 yrs.	7. Elective	1 yr.
4. English	4 yrs.	8. Physical Training....	2 yrs.

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Latin I	5 units	Latin II.....	5 units
English I	5 units	English II	5 units
Mathematics I	5 units	Mathematics II	5 units
Physical Training I.....	2 units	Physical Training II.....	2 units

*Elect One**First Semester*

	<i>Second Semester</i>
Elementary Science	5 units
Manual Training I.....	10 units
Sewing I, Domestic Art I	10 units
Art I	10 units

SECOND YEAR

Latin III	5 units	Latin IV	5 units
English III	5 units	English IV	5 units
Mathematics III	5 units	Mathematics IV	5 units
History I	5 units	History II	5 units
Physical Training III....	2 units	Physical Training IV.....	2 units

THIRD YEAR

Latin V	5 units	Latin VI	5 units
English V	5 units	English VI	5 units
Greek I	5 units	Greek II	5 units
Science	5 units	Science	5 units

FOURTH YEAR

Latin VII	5 units	Latin VIII	5 units
English VII	5 units	English VIII	5 units
Greek III	5 units	Greek IV	5 units
History V	5 units	History VI	5 units

MODERN CLASSICAL COURSE**Synopsis:**

1. Latin or German.....	4 yrs.	5. Science	1 yr.
2. German, French, Norse or Latin	2 yrs.	6. History	2 yrs.
3. Mathematics	2 yrs.	7. Elective	1 yr.
4. English	4 yrs.	8. Physical Training....	2 yrs.

FIRST AND SECOND YEARS

The same as outlined for Ancient Classical Course

THIRD YEAR

Latin V	5 units	Latin VI	5 units
English V.....	5 units	English VI	5 units
German, Classical I or French, Classical I.....	5 units	German, Classical II or French, Classical II....	5 units
Science	5 units	Science	5 units

FOURTH YEAR

Latin VII	5 units	Latin VIII	5 units
English VII	5 units	English VIII	5 units
History V	5 units	History VI	5 units
German, Classical III or French, Classical III....	5 units	German, Classical IV or French, Classical IV....	5 units

LATIN COURSE

Synopsis:

1. Latin	4 yrs.	5. Science	2 or 1 yrs.
2. Mathematics	2 or 3 yrs.	6. Elective	1 yr.
3. History	3 yrs.	7. Physical Training....	2 yrs.
4. English	4 yrs.		

FIRST AND SECOND YEARS

The same as outlined for the Ancient Classical Course

THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Latin V	5 units	Latin VI	5 units
English V	5 units	English VI	5 units
History III	5 units	History IV	5 units
Science	5 units	Science	5 units

FOURTH YEAR

Latin VII	5 units	Latin VIII	5 units
English VII	5 units	English VIII	5 units
History V	5 units	History VI	5 units
Science or Mathematics V	5 units	Science or Mathematics VI	5 units

Note: If science is elected it must be continued throughout the year.

GERMAN COURSE

Synopsis:

Same as Latin Course with German substituted for Latin.

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
German I	5 units	German II	5 units
English I	5 units	English II	5 units
Mathematics I	5 units	Mathematics II	5 units
Physical Training I.....	2 units	Physical Training II.....	2 units

Elect One

Elementary Science	5 units	Civics	5 units
Manual Training I.....	10 units	Manual Training II.....	10 units
Sewing I, Domestic Art I	10 units	Sewing II, Domestic Art II	10 units
Art I	10 units	Art II	10 units

SECOND YEAR

German III	5 units	German IV	5 units
English III	5 units	English IV	5 units
Mathematics III	5 units	Mathematics IV	5 units
History I	5 units	History II	5 units
Physical Training III....	2 units	Physical Training IV....	2 units

THIRD YEAR

First Semester	Second Semester		
German V	5 units	German VI	5 units
English V	5 units	English VI	5 units
History III	5 units	History IV	5 units
Science	5 units	Science	5 units

FOURTH YEAR

German VII	5 units	German VIII	5 units
History V	5 units	History VI	5 units
English VII	5 units	English VIII	5 units
Science or Mathematics V	5 units	Science or Mathematics VI	5 units

Note: If science is elected it must be continued throughout the year.

SCIENCE COURSE

Synopsis:

1. English	4 yrs.	5. History	2 or 3 yrs.
2. Mathematics	3 or 2 yrs.	6. Language	2 yrs.
3. Science	3½ yrs.	7. Elective	1 yr.
4. Civics	½ yr.	8. Phys. Training	2 yrs.

FIRST YEAR

English I	5 units	English II	5 units
Mathematics I	5 units	Mathematics I'	5 units
Elementary Science	5 units	Civics	5 units
Physical Training I.....	2 units	Physical Training II.....	2 units

Elect One

Manual Training I.....	10 units	Manual Training II.....	10 units
Sewing I, Domestic Art I.	10 units	Sewing II, Domestic Art II	10 units
Art I	10 units	Art II	10 units

SECOND YEAR

English III	5 units	English IV	5 units
Mathematics III	5 units	Mathematics IV	5 units
Geography I	5 units	Geography II	5 units
History I	5 units	History II	5 units
Physical Training III.....	2 units	Physical Training IV.....	2 units

THIRD YEAR

English V	5 units	English VI	5 units
German, Science I, or French, Science I, or Latin, Science I.....	5 units	German, Science II, or French, Science II, or Latin, Science II.....	5 units
Science	5 units	Science	5 units

Elect One

History III	5 units	History IV	5 units
Mathematics V	5 units	Mathematics VI	5 units

FOURTH YEAR

English VII	5 units	English VIII	5 units
History V	5 units	History VI	5 units
Science	5 units	Science	5 units
German, Science III, or French, Science III, or Latin, Science III.....	5 units	German, Science IV, or French, Science IV, or Latin, Science IV.....	5 units

ENGLISH COURSE

Synopsis:

1. English	4 yrs.	6. Economics	$\frac{1}{2}$ yr.
2. Mathematics	3 yrs.	7. Commercial Law ..	$\frac{1}{2}$ yr.
3. History	3 yrs.	8. Elective	1 yr.
4. Science	3 $\frac{1}{2}$ yrs.	9. Phys. Training ..	2 yrs.
5. Civics	$\frac{1}{2}$ yr.		

FIRST AND SECOND YEARS

The same as outlined for the Science Course

THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
English V	5 units	English VI	5 units
History III	5 units	History IV	5 units
Mathematics V	5 units	Mathematics VI	5 units
Science	5 units	Science	5 units

FOURTH YEAR

English VII	5 units	English VIII	5 units
History V	5 units	History VI	5 units
Science	5 units	Science	5 units
Economics	5 units	Commercial Law	5 units

MANUAL ARTS COURSE

Synopsis:

1. English	4 yrs.	5. Science	1 yr.
2. Mathematics	2 yrs.	6. Electives	4 yrs.
3. Manual Arts	3 yrs.	7. Phys. Training	2 yrs.
4. History	2 yrs.		

Manual Training and Mechanical Drawing open to boys only.

Domestic Science and Domestic Art open to girls only.

Art open to boys and girls.

FIRST YEAR

First Semester

	First Semester	Second Semester	
English I	5 units	English II	5 units
Mathematics I	5 units	Mathematics II	5 units
*a. Man. Training I and Mec. Drawing I....	10 units	*a. Man. Training II and Mec. Drawing II....	10 units
*b. Sewing I and Domestic Art I	10 units	*b. Sewing II and Dom. Art II	10 units
*c. Art	19 units	*c. Art	10 units
Physical Training	2 units	Physical Training	2 units

Elect One

Latin I	5 units	Latin II	5 units
German I	5 units	German II	5 units
Elementary Science	5 units	Civics I	5 units

SECOND YEAR

	Second Year		
English III	5 units	English IV	5 units
Mathematics III	5 units	Mathematics IV	5 units
*a. Man. Tr. III and Mec. Dr. III	10 units	*a. Man. Tr. IV and Mec. Dr. IV	10 units
*b. Cooking I	10 units	*b. Cooking II	10 units
*c. Domestic Art III....	10 units	*c. Dom. Art IV.....	10 units
*d. Art III	10 units	*d. Art IV	10 units
Physical Training	2 units	Physical Training	2 units

Elect One

Latin III	5 units	Latin IV	5 units
German III	5 units	German IV	5 units
History I	5 units	History II	5 units
Geography I	5 units	Geography II	5 units

THIRD YEAR

	Third Year		
English V	5 units	English VI	5 units
*a. Forging I and Mec. Dr. V	10 units	*a. Forging II and Mec. Dr. VI	10 units
*b. Domestic Art V.....	10 units	*b. Domestic Art VI.....	10 units
*c. Household Management	5 units	*c. Dressmaking	10 units
*d. Art V	10 units	*d. Art VI	10 units

Elect Two

Latin V	5 units	Latin VI	5 units
German V	5 units	German VI	5 units
Mathematics V	5 units	Mathematics VI	5 units
History III	5 units	History IV	5 units
German, Science I.....	5 units	German, Science II.....	5 units
French, Science I.....	5 units	French, Science II.....	5 units
Latin, Science I.....	5 units	Latin, Science II.....	5 units

If Ancient History was not elected in the second year, English History becomes a required subject in the third year.

* Select one.

<i>First Semester</i>		FOURTH YEAR		<i>Second Semester</i>	
English VII	5 units	English VIII	5 units		
U. S. History I.....	5 units	U. S. History II.....	5 units		
Science I	5 units	Science II	5 units		
<i>Elect One</i>					
Latin VII	5 units	Latin VIII	5 units		
German VII	5 units	German VIII	5 units		
Latin, Science III.....	5 units	Latin, Science IV.....	5 units		
German, Science III.....	5 units	German, Science IV.....	5 units		
Commercial Law	5 units	Economics	5 units		

COMMERCIAL COURSE

FIRST YEAR	
English I	$\frac{1}{2}$ unit
Mathematics I	$\frac{1}{2}$ unit
Elementary Science	$\frac{1}{2}$ unit

<i>Elect One</i>	
Latin I	$\frac{1}{2}$ unit
German I	$\frac{1}{2}$ unit
Manual Arts I.....	$\frac{1}{2}$ unit

SECOND YEAR

English III	$\frac{1}{2}$ unit	English IV	$\frac{1}{2}$ unit
Mathematics III	$\frac{1}{2}$ unit	Mathematics IV	$\frac{1}{2}$ unit
Geography I	$\frac{1}{2}$ unit	Geography II	$\frac{1}{2}$ unit

<i>Elect One</i>	
Latin III	$\frac{1}{2}$ unit
German III	$\frac{1}{2}$ unit
History I	$\frac{1}{2}$ unit
Manual Arts III.....	$\frac{1}{2}$ unit

THIRD YEAR

English V	$\frac{1}{2}$ unit	English VI	$\frac{1}{2}$ unit
Commercial Arithmetic ..	$\frac{1}{2}$ unit	Bookkeeping I	$\frac{1}{2}$ unit
Stenography I	$\frac{1}{2}$ unit	Stenography II	$\frac{1}{2}$ unit
Typewriting I	$\frac{1}{4}$ unit	Typewriting II	$\frac{1}{4}$ unit
Penmanship	$\frac{1}{4}$ unit	Spelling	$\frac{1}{4}$ unit

FOURTH YEAR

Commercial Law	$\frac{1}{2}$ unit	Industrial History	$\frac{1}{2}$ unit
Bookkeeping II	$\frac{1}{2}$ unit	Bookkeeping III or Econ-	$\frac{1}{2}$ unit
		omics	$\frac{1}{2}$ unit
Stenography III	$\frac{1}{2}$ unit	Stenography IV	$\frac{1}{2}$ unit
Typewriting III	$\frac{1}{4}$ unit	Typewriting IV	$\frac{1}{4}$ unit
Business English	$\frac{1}{4}$ unit	Business English	$\frac{1}{4}$ unit

FIVE YEAR COURSE

FIRST AND SECOND YEARS

Same as outlined for the Commercial Course.

THIRD YEAR

First Semester

Second Semester

English V	$\frac{1}{2}$ unit	English VI	$\frac{1}{2}$ unit
Science	$\frac{1}{2}$ unit	Science	$\frac{1}{2}$ unit

Elect Two

History	$\frac{1}{2}$ unit	History	$\frac{1}{2}$ unit
Mathematics V	$\frac{1}{2}$ unit	Mathematics VI	$\frac{1}{2}$ unit
Latin V	$\frac{1}{2}$ unit	Latin VI	$\frac{1}{2}$ unit
German V	$\frac{1}{2}$ unit	German VI	$\frac{1}{2}$ unit
Latin, Science I.....	$\frac{1}{2}$ unit	Latin, Science II.....	$\frac{1}{2}$ unit
German, Science I	$\frac{1}{2}$ unit	German, Science II.....	$\frac{1}{2}$ unit
French, Science I.....	$\frac{1}{2}$ unit	French, Science II.....	$\frac{1}{2}$ unit

FOURTH YEAR

English VII	$\frac{1}{2}$ unit	English VIII	$\frac{1}{2}$ unit
U. S. History.....	$\frac{1}{2}$ unit	U. S. History.....	$\frac{1}{2}$ unit

Elect Two

Science	$\frac{1}{2}$ unit	Science	$\frac{1}{2}$ unit
Mathematics VII	$\frac{1}{2}$ unit	Mathematics VIII	$\frac{1}{2}$ unit
Latin VII	$\frac{1}{2}$ unit	Latin VIII	$\frac{1}{2}$ unit
German VII	$\frac{1}{2}$ unit	German VIII	$\frac{1}{2}$ unit
Latin, Science III.....	$\frac{1}{2}$ unit	Latin, Science IV.....	$\frac{1}{2}$ unit
German, Science III.....	$\frac{1}{2}$ unit	German, Science IV.....	$\frac{1}{2}$ unit
French, Science III.....	$\frac{1}{2}$ unit	French, Science IV.....	$\frac{1}{2}$ unit
Commercial Law	$\frac{1}{2}$ unit	Economics	$\frac{1}{2}$ unit

FIFTH YEAR

Stenography B	2 units	Stenography A	2 units
Typewriting B	1 unit	Typewriting A	1 unit
Bookkeeping B	1 unit	Bookkeeping A	1 unit

Note: The fifth year's work is open to post-graduates. Pupils deficient in penmanship and spelling will be required to carry both lines of work without credit.

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