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SPECIMEN JUNIOR HIGH SCHOOL
PROGRAMS OF STUDY

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SPECIMEN JUNIOR HIGH SCHOOL PROGRAMS OF STUDY.

"Kindly send me copies of junior high-school programs of study or tell me where I may obtain copies of such programs" is the content of numerous letters received by the Bureau of Education. In order that these requests may be granted, this leaflet, which contains 25 programs of study selected from those on file in this office, has been prepared. Four of the programs included are the work of State departments of public instruction and 21 of city school departments. The programs may be considered typical of those in use in both the smaller and larger cities in various sections of the country.

A comparison of the 25 programs reveals the fact that while no two are exactly alike, certain principles are fairly well adhered to. One is that the first junior high-school year, or at least the first half of that year, should be a transition or an adjustment period and that for this reason the courses should be a continuation of the elementary courses but presented from a new viewpoint. Some schools, however, offer electives in the first junior high-school year. Of the 25 school systems represented, 15 offer electives in the first year, 22 in the second, and 25 in the third.

The usual type of program is that of the single curriculum with constants and variables. Of the 25 systems, 16 have a single curriculum, 6 have a single curriculum in the first two years and two or more curriculums in the third year; one has a single curriculum in the first year and more than one in the second and third. Only two have more than one curriculum beginning with the first year.

The following table shows by years the number of programs in which certain courses are required, elective, or not offered:

Courses required, elective, or not offered.

	First year.			Second year.			Third year.		
	Re- quired.	Elec- tive.	Not offered.	Re- quired.	Elec- tive.	Not offered.	Re- quired.	Elec- tive.	Not offered.
English.....	25	0	0	25	0	0	25	0	0
Mathematics.....	25	0	0	25	0	0	16	10	0
Social science.....	25	0	0	25	0	0	11	10	4
Foreign language.....	0	11	14	0	19	6	0	25	0
General science.....	7	0	18	8	1	15	8	8	9
Manual training or industrial art.....	21	4	0	17	8	0	4	21	0
Home economics.....	24	1	0	18	7	0	4	21	0
Physical education and hy- giene.....	23	1	1	22	1	2	21	2	2
Music.....	23	2	0	21	4	0	12	12	1
Art or drawing.....	20	4	1	17	6	2	5	19	1
Commercial (stenography, typewriting or bookkeep- ing).....	0	3	22	0	11	14	0	18	7
Agriculture.....	1	0	23	4	1	19	1	6	17

It will be noted from the foregoing table that in the first and second years English, mathematics, and social science (history, civics, and geography) are required of all pupils. In the third year, English is the only course required by all the school systems represented. Manual training, home economics, physical education, music, and art are required by most of the schools in the first year. General science has not been adopted as widely as might be supposed.

To supplement the foregoing table the following table is presented to show the number of programs in which certain courses are set down as required of every pupil at some time within the three years:

Courses required some time in the program.

English.....	25	Home economics.....	24
Mathematics.....	25	Physical education.....	24
Social science.....	25	Music.....	23
Science.....	17	Art or drawing.....	20
Manual training.....	23		

Anyone making a comparison of these recent programs of studies with those of a few years ago will find that in the earlier programs there was but little attempt to reorganize the program of studies in the grades constituting the junior high school. Possibly a foreign language, algebra, and a few other subjects were offered as electives, but the required subjects were practically the same in content as those of the old seventh and eighth grades. This is still too true in some schools designated as junior high schools, but the aim now, whether it has been fully realized or not, is to make a survey of the chief departments of human knowledge at that period of the child's life when he demands change, variety, and human interest rather than completeness and logical arrangement. The work of the junior high school, then, can well comprise the giving of courses in English literature, general social science, general mathematics, general science, foreign language for those who have the ability and the desire to study such, music, art, physical education, and the practical arts. By pursuing such courses a pupil has landmarks of the chief fields of knowledge established, and is much better equipped to leave school permanently or to go on into the senior high school than the pupil who has been doing nothing in the seventh and eighth grades but reviewing the work of the fifth and sixth grades, which is usually a most stultifying process, opening up no new fields as do the general courses of the junior high school.

To assist those who are preparing junior high-school programs and courses of study, a bibliography of the more recent publications is appended. A few State and city junior high-school courses are included, most of which may doubtless be had by addressing the State or city school superintendents.

JUNIOR HIGH SCHOOL PROGRAMS OF STUDY.

SEVENTH YEAR.

ARDMORE, OKLA.

EIGHTH YEAR.

Subjects.	Periods a week.	Subjects.	Periods a week.
English.....	5	English.....	5
History, geography, civics.....	5	Arithmetic, commercial, or general.....	5
Arithmetic.....	5	History, civics, vocational guidance.....	5
Hygiene.....	3	Biology and agriculture.....	2
Cooking.....	2	Sewing.....	3
Woodwork or sheet metal.....	2	Woodwork and mechanical drawing or sheet metal and mechanical drawing.....	3
Art.....	2	Music.....	2
Music.....	2	Art.....	2
Physical education.....	1	Physical education.....	1

NINTH YEAR.

Subjects.	Periods a week.	Subjects.	Periods a week.
<i>Academic.</i>		<i>Commercial.</i>	
English.....	5	English.....	5
Algebra.....	5	Algebra or advanced arithmetic.....	5
Latin or Spanish.....	5	Bookkeeping.....	5
Music.....	2	United States civil and commercial geography.....	5
Art.....	2	Art.....	2
Physical education.....	1	Music.....	2
Elective.....	.5	Physical education.....	1
<i>Household arts.</i>		<i>Industrial arts.</i>	
English.....	5	English.....	5
Algebra or advanced arithmetic.....	5	Algebra and advanced arithmetic.....	5
Sewing 3 and cooking 2.....	5	Woodwork 3 and mechanical drawing 2, or machine shop 3 and mechanical drawing 2.....	5
Applied design.....	2	Music.....	2
General science applied to household.....	3	Art.....	2
Music.....	2	Physical education.....	1
Art.....	2	Elective.....	5
Physical education.....	1		

Electives.

Ancient history.....	5	Bookkeeping.....	5
General science.....	5	United States civil and commercial geography.....	5
Latin.....	5	Woodwork and mechanical drawing.....	5
Spanish.....	5	Machine shop and mechanical drawing.....	5
Cooking and sewing.....	5		

AUSTIN, MINN.

SEVENTH YEAR.

EIGHTH YEAR.

NINTH YEAR.

Subjects.	Periods a week.	Subjects.	Periods a week.	Subjects.
English—reading and spelling.....	5	English—reading, literature, spelling.....	5	English. <i>Required.</i>
Arithmetic.....	5	Arithmetic.....	5	Algebra.
Geography and commercial geography.....	5	Grammar and composition.....	5	<i>Elect two.</i>
Grammar and composition.....	5	United States history and civics.....	5	Latin grammar.
United States history (2).....	3	Penmanship.....	3	Ancient history.
Penmanship.....	2	Elementary agriculture.....	2	General science.
Domestic science.....	2	Domestic science.....	2	Penmanship (1), citizenship (2).
Manual training.....	2	Manual training.....	2	Commercial arithmetic (1), botany (2).
Music.....	2	Drawing.....	1	Commercial geography (2).
Drawing.....	2	Music.....	1	Domestic science.
				Manual training.
				Drawing.
				Technical music.
				Glee club.
				Smith-Hughes course in agriculture.

JUNIOR HIGH SCHOOL PROGRAMS OF STUDY.

CLEVELAND, OHIO.

Subjects.	Periods a week.	Subjects.	Periods a week.
7 B.		8 A.	
<i>Required.</i>		<i>Required.</i>	
English.....	10	English.....	5
Mathematics.....	5	Mathematics.....	5
Geography.....	5	Social science.....	4
History and social problems.....	4	Physical education.....	2
Physical education.....	2	Hygiene.....	1
Hygiene.....	1	Music.....	1
Music.....	1	Art.....	2
Art.....	2	Vocations.....	1
Shop and drawing.....	4	Shop and drawing.....	4
Home economics.....	4	Home economics.....	4
8 B.		<i>Electives (5 or 6 periods).</i>	
<i>Required.</i>		English.....	5
English.....	5	Latin.....	5
Mathematics.....	5	French.....	5
Social science.....	4	Spanish.....	5
Physical education.....	2	Commercial.....	5
Hygiene.....	1	Shop and drawing.....	6
Music.....	1	Home economics.....	6
Art.....	2	9 B.	
Vocations.....	1	<i>Required.</i>	
Shop and drawing.....	4	English.....	5
Home economics.....	4	Mathematics.....	5
<i>Electives (5 or 6 periods).</i>		Music.....	2
English.....	5	Physical education.....	2
Latin.....	5	<i>Electives (10 to 16 periods).</i>	
French.....	5	Social science.....	5
Spanish.....	5	Latin.....	5
Commercial.....	5	French.....	5
Shop and drawing.....	6	Spanish.....	5
Home economics.....	6	General science.....	5
7 A.		Applied art.....	5
<i>Required.</i>		Shop and drawing.....	6-10
English.....	5	Home economics.....	10-16
Mathematics.....	5	Penmanship.....	10
Geography.....	5		5
History and social problems.....	4	9 A.	
Physical education.....	2	<i>Required.</i>	
Hygiene.....	1	English.....	5
Music.....	1	Mathematics.....	5
Art.....	2	Music.....	2
Shop and drawing.....	4	Physical education.....	2
Home economics.....	4	<i>Electives (10 to 16 periods).</i>	
<i>Electives (5 or 6 periods).</i>		Social science.....	5
English.....	5	Latin.....	5
Latin.....	5	French.....	5
French.....	5	Spanish.....	5
Spanish.....	5	General science.....	5
Commercial.....	5	Applied art.....	5
Shop and drawing.....	6	Shop and drawing.....	6-10
Home economics.....	6	Home economics.....	10-16
		Bookkeeping.....	10
			5

JUNIOR HIGH SCHOOL PROGRAMS OF STUDY.

5

CUDAHY, WIS.

SEVENTH GRADE.

Subjects.	Periods a week.
Mathematics.....	5
English—language, grammar, composition, reading, spelling, penmanship, and library methods.....	7
Citizenship.....	2
Geography.....	3
History (U. S.).....	2
Household mechanics (boys).....	5
Household arts (girls).....	5
Music.....	1
Free-hand drawing; nature study.....	1
Physical training—gymnasium (3 hours); hygiene (1 hour).....	4

EIGHTH GRADE.

Mathematics.....	5
English—language, grammar, composition, reading, spelling, penmanship, and library methods.....	7
History (U. S.).....	3
Civics.....	2
Manual arts (boys).....	5
Household arts (girls).....	5
Music.....	1
Nature and agriculture.....	2
Free-hand drawing.....	1
Physical training—gymnasium (3 hours); hygiene (1 hour).....	4

NINTH GRADE.

<i>Required subjects</i>	
English.....	5
Algebra or commercial arithmetic.....	5
Elementary science or general geography.....	5
Citizenship.....	2
Penmanship and spelling.....	1
Free-hand drawing.....	1
Music.....	1
Physical training.....	3
<i>Elective (one subject may be elected by the student).</i>	
Ancient and medieval history.....	5
Shorthand.....	5
Typewriting.....	5
Latin.....	5
German.....	5
Manual arts.....	5
Home economics.....	5
Orchestra.....	15

Year.	Required subjects.	Periods a week.	Elective subjects.	Periods a week.
7 B	English (grammar, composition, literature, spelling, and penmanship)..... Mathematics..... Geography, general science..... Music..... Drawing..... Physical education and hygiene..... Manual training or sewing and cooking.....	10 5 5 1 2 2 5		
7 A	English (grammar, composition, literature, spelling, and penmanship)..... Mathematics..... Citizenship and American history..... Music..... Drawing..... Physical education and hygiene..... Manual training or sewing and cooking.....	5 5 5 1 2 2 5	<i>Elect one.</i> Commercial (penmanship, business forms, and commercial arithmetic)..... Latin..... French..... Spanish.....	5 5 5 5
8 B	English (grammar, composition, literature, spelling, and penmanship)..... Mathematics..... Citizenship and American history..... Music..... Drawing..... Physical education and hygiene..... Manual training or sewing and cooking.....	5 5 5 1 2 2 5	<i>Elect one.</i> Commercial (elementary accounting)..... Latin..... French..... Spanish.....	5 5 5 5
8 A	English (grammar, composition, literature, spelling, and penmanship)..... Mathematics..... Geography, general science..... Music..... Drawing..... Physical education and hygiene.....	5 5 5 1 2 2	<i>Elect one.</i> Commercial (elementary accounting)..... Manual training or sewing and cooking..... Latin..... French..... Spanish.....	5 5 5 5 5
9 B	English..... Mathematics..... Music..... Drawing..... Physical education.....	5 5 1 2 2	<i>Elect one or two.</i> Ancient history..... Latin..... French..... Spanish..... Science (general)..... Commercial (commercial arithmetic, related English, and penmanship)..... Manual training..... Home economics.....	5 5 5 5 5 5 5 5
9 A	English..... Mathematics..... Music..... Drawing..... Physical education.....	5 5 1 2 2	<i>Elect one or two.</i> Ancient history..... Latin..... French..... Spanish..... Science (general)..... Commercial (commercial arithmetic, related English, and penmanship)..... Manual training..... Home economics.....	5 5 5 5 5 5 5 5

JUNIOR HIGH SCHOOL PROGRAMS OF STUDY.

DETROIT, MICH.

Subjects.	Seventh grade.		Eighth grade.				Ninth grade.			
	B	A	General.	Technical.		Com- mer- cial.	General.	Technical.		Com- mer- cial.
				Boys.	Girls.			Boys.	Girls.	
Health.....	5	5	5	5	5	5	5	5	5	5
Social science.....	5	5	5	5	5	5	5	5	5	5
English.....	5	4	4	4	4	4	4	4	4	4
Mathematics.....	4	4	3	3	2	2	3	3	2	2
General science.....	3	2	2	2	2	2	2	2	2	2
Auditorium.....	2	2	2	2	2	2	2	2	2	2
Music.....	1	1	1	1	1	1	1	1	1	1
Art and design.....	1	1	1	1	2	1	1	1	2	1
Foreign language.....			5			5				
Cooking (girls).....	2	3	1		3	1	1		3	
Sewing (girls).....	2	3	1		3	1	1		3	
Household science (girls).....					1				1	
Shops (boys).....	3	5	1	6		1	1	6		
Mechanical drawing (boys).....	1	1	1	2		1	1	3		
Bookkeeping.....										5
Business practice.....						5				1
Statistics.....										2
Typewriting.....										2
Penmanship.....						1				
Total.....	30	30	30	30	30	30	30	30	30	30

FARGO, N. DAK.

Subjects.	Periods a week.	Subjects.	Periods a week.
SEVENTH YEAR.		NINTH YEAR.	
<i>Required.</i>		English.....	5
English.....	8	Chorus.....	2
Mathematics.....	5	Physical education.....	2
Geography.....	4	<i>Elective (any three).</i>	
History.....	3	Algebra.....	5
Music.....	2	Arithmetic (commercial) and bookkeeping.....	5
Physical education.....	2	General science.....	5
Industrial arts.....	4	Latin.....	5
Arts and crafts.....	2	French.....	5
EIGHTH YEAR.		Manual arts.....	10
English.....	8	Household arts.....	10
Mathematics.....	5	Ancient history.....	5
History—civics.....	5	Arts and crafts.....	5
Music.....	2		
Physical education.....	2		
Industrial arts.....	6		
Arts and crafts.....	2		

JUNIOR HIGH SCHOOL PROGRAMS OF STUDY.

FARIBAULT, MINN.

SEVENTH YEAR.

EIGHTH YEAR.

SEVENTH YEAR		EIGHTH YEAR	
Required of all.	Credit.	Required of all.	Credit.
English I.....	1	English II.....	1
Junior mathematics I.....	1	Junior mathematics II.....	1
Geography and science.....	1	History and civics.....	1
Home economics I (girls).....	1	Vocations II (girls).....	1
Shop, Junior I.....	1	Vocations II (boys).....	1
Physiology and hygiene.....	1	Penmanship and spelling.....	1
Junior chorus.....	1		
Penmanship and spelling.....	1		
<i>Elective.</i>		<i>Elective.</i>	
Junior French I.....	1	Junior French II.....	1
Band.....	1	Junior chorus.....	1
		Band.....	1

NINTH YEAR.

Academic.	Fine arts.	Practical arts.	Commercial.	Agricultural.
<i>Required.</i>	English III. Algebra or general mathematics I. Drawing and painting. (Elect 1 to 14.)	English III. Algebra or General mathematics I. General science. (Elect 1 to 14.)	English III. Algebra or General mathematics I. Commercial geog- raphy and com- mercial arithme- tic. (Elect 1 to 14.)	English III. Agriculture II. Agriculture IV. (Elect 1 to 14.)
<i>Elective.</i>	General science. French I or III. Spanish I. Latin I. Chorus. Band.	Shop III. Mechanical draw- ing I. Cooking and sew- ing III. Drawing and painting. Chorus. Band.	Spanish I. French I or III. Latin I. General science. Chorus. Band.	Algebra. General mathemat- ics I. General science. Chorus. Band. (Opportunity will be given to com- plete seventh or eighth grade work.)
French I or III. Spanish I. Latin I. Commercial geog- raphy and com- mercial arithme- tic. Drawing and painting. Shop III. Mechanical draw- ing I. Cooking and sew- ing III. Chorus. Band.				

KALAMAZOO, MICH.

SEVENTH YEAR.

Subjects.	Periods a week.	Credits.	Subjects.	Periods a week.	Credits.
<i>Required.</i>			<i>Elective.</i>		
English.....	5	5	(Choose 3 points credit.)		
Arithmetic.....	5	5	Carpentry.....	4	2
History.....	3	3	Cooking.....	4	2
Geography.....	3	3	Music.....	2	1
General science.....	3	3	Drawing.....	2	1
Physical education and hygiene.....	3	2			
Penmanship.....	2	1			

1 Student excused from penmanship when he attains class standard.

JUNIOR HIGH SCHOOL PROGRAMS OF STUDY.

KALAMAZOO, MICH.—Continued.

EIGHTH YEAR.

Subjects.	Periods a week.	Credits.	Subjects.	Periods a week.	Credits.
<i>Required.</i>			<i>Elective.</i>		
English.....	5	5	(Choose 7 or 8 point credit.)		
Algebra.....	4	4	General science.....	3	3
History and community civics.....	5	5	Latin ¹	5	5
Physical education and hygiene.....	3	2	Typewriting.....	4	2
Penmanship ²	2	1	Mechanical drawing.....	4	2
Music or.....	2	1	Cabinet making.....	4	2
drawing.....	2	1	Cooking.....	4	2
			Sewing.....	4	2

¹ Student excused from penmanship when he attains class standard.

² May be elected only on recommendation of junior high faculty.

NINTH YEAR.

Subjects.	Periods a week.	Credits.	Subjects.	Periods a week.	Credits.
ACADEMIC COURSE.			COMMERCIAL COURSE.		
<i>Required.</i>			<i>Required.</i>		
English.....	5	5	Bookkeeping and arithmetic.....	1.5	5
Algebra.....	5	5	English.....	5	5
Physical education.....			Physical education.....		
<i>Elective.</i>			<i>Elective.</i>		
(Choose 10 points.)			(Choose 10 points credit.)		
Early European history.....	5	5	Algebra.....	5	5
Latin.....	5	5	Early European history.....	5	5
Physical geography.....	5	5	Physical geography.....	5	5
Bookkeeping.....	1.5	5	Latin.....	5	5
General art.....	1.5	5	Typewriting ¹	1.5	5
Mechanical drawing.....	1.5	5	General art.....	1.5	5
Wood work.....	1.5	5	Mechanical drawing.....	1.5	5
Clothing and textiles.....	1.5	5	Wood work.....	1.5	5
Music.....	5	5	Clothing and textiles.....	1.5	5
Typewriting, for those who took typewriting in the 8th grade.....	1.5	5	Agricultural botany.....	5	5
			Music.....	5	5
AGRICULTURAL COURSE.			HOUSEHOLD ARTS COURSE.		
<i>Required.</i>			<i>Required.</i>		
English.....	5	5	English.....	5	5
Algebra.....	5	5	Algebra.....	5	5
Wood-turning (first semester). Pattern making (second semester). Mechanical drawing.....	1.5	5	Sewing and textiles.....	1.5	5
Agricultural botany.....	1.5	5	Physical education.....		
Farm practice (30 minutes daily) Physical education.....	5	5	<i>Elective.</i>		
<i>Boys' technical course.</i>			(Choose 5 points credit.)		
English.....	5	5	Physical geography.....	5	5
Algebra.....	5	5	Music.....	5	5
Wood work (first semester).....	1.5	5	Early European history.....	5	5
Pattern making (second semester) Physical geography, or early European history.....	1.5	5	Bookkeeping.....	1.5	5
Mechanical drawing.....	5	5	General art.....	1.5	5
Physical education.....	1.5	5			

¹ Double periods.

² For those who took typewriting in the eighth grade

JUNIOR HIGH SCHOOL PROGRAMS OF STUDY.

LEXINGTON, KY.

SEVENTH YEAR—B DIVISION.

SEVENTH YEAR—A DIVISION.

Subjects.	Periods a week.	Subjects.	Periods a week.
<i>Required.</i>		<i>Required.</i>	
English: Literature.....	4	English: Literature.....	5
Grammar and spelling.....	5	Grammar and spelling.....	5
Arithmetic—oral and written.....	5	Elementary geometry.....	3
Geography.....	3	Geography.....	3
History—dawn of American history in Europe and current events.....	3	American history and current events.....	3
Sewing or cooking (girls).....	2	Sewing and cooking (girls).....	2
Manual training (boys).....	2	Manual training (boys).....	2
Drawing.....	1	Drawing.....	1
Vocal music.....	1	Vocal music.....	1
Physical training.....	1	Physical training.....	1
<i>Elective.</i>		<i>Elective.</i>	
French.....	4	French.....	4
Latin.....	4	Latin.....	4
Elective literature.....	1	Elective literature.....	1
Orchestra.....	1	Orchestra.....	1

EIGHTH YEAR—B DIVISION.

EIGHTH YEAR—A DIVISION.

Subjects.	Periods a week.	Subjects.	Periods a week.
<i>Required.</i>		<i>Required.</i>	
English: Literature.....	5	English: Literature.....	5
Grammar and spelling.....	5	Grammar and spelling.....	5
Elementary algebra.....	5	Arithmetic.....	5
Geography.....	3	Physiology.....	3
American history and current events.....	3	American history and current events.....	3
Sewing or cooking (girls).....	2	Sewing or cooking.....	2
Manual training (boys).....	2	Manual training.....	2
Drawing.....	1	Drawing.....	1
Vocal music.....	1	Vocal music.....	1
Physical training.....	1	Physical training.....	1
<i>Elective.</i>		<i>Elective.</i>	
French.....	4	French.....	4
Latin.....	4	Latin.....	4
Elective literature.....	4	Elective literature.....	4
Shorthand and typewriting.....	4	Shorthand and typewriting.....	4
Orchestra.....	1	Orchestra.....	1

NINTH YEAR—B DIVISION.

NINTH YEAR—A DIVISION.

Subjects.	Periods a week.	Subjects.	Periods a week.
<i>Required.</i>		<i>Required.</i>	
English: Literature.....	5	English: Literature.....	5
Rhetoric and spelling.....	5	Rhetoric and spelling.....	5
Algebra.....	5	Algebra.....	5
Civics.....	3	Civics.....	3
General science.....	3	General science.....	3
Sewing or cooking (girls).....	2	Sewing or cooking (girls).....	2
Manual training (boys).....	2	Manual training (boys).....	2
Physical training.....	1	Physical training.....	1
<i>Elective.</i>		<i>Elective.</i>	
French.....	4	French.....	4
Latin.....	4	Latin.....	4
History—World War and current events.....	4	History—World War and current events.....	4
Drawing.....	1	Drawing.....	1
Vocal music.....	1	Vocal music.....	1
Orchestra.....	1	Orchestra.....	1

JUNIOR HIGH SCHOOL PROGRAMS OF STUDY.

LEWISTON, IDAHO.

SEVENTH YEAR.

Subjects.	Periods a week.	Subjects.	Periods a week.
<i>Required.</i>		<i>Elective.</i>	
English.....	5	German.....	5
Mathematics.....	5	Spanish.....	5
History-geography.....	5	Latin.....	5
Music.....		Sewing.....	2
Penmanship.....		Cooking.....	2
Physical education.....		Shop work and drawing.....	4
Elective.....	10 or 5	Fine and industrial arts.....	1
	20		

EIGHTH YEAR.

Subjects.	Periods a week.	Subjects.	Periods a week.
<i>Required.</i>		<i>Elective.</i>	
English.....	5	German.....	5
Mathematics.....	5	Spanish.....	5
American history and citizenship.....	5	Latin.....	5
General science, one-half year.....	5	Sewing.....	2
Music.....		Cooking.....	2
Physical education.....		Shop work and drawing.....	4
Elective.....	10 or 5	Fine and industrial arts.....	1
	25		

NINTH YEAR.

Subjects.	Periods a week.	Subjects.	Periods a week.
<i>Required.</i>		<i>Elective.</i>	
English.....	5	German.....	5
Music.....		Spanish.....	5
Physical education.....		Latin.....	5
Elective.....	20 or 15	Greek and Roman history.....	5
	20	Biology.....	5
		Algebra.....	5
		Commercial geography, one-half year.....	5
		Commercial arithmetic, one-half year.....	5
		Cookery and sanitation.....	4
		Shop work and drawing.....	4
		Fine and industrial arts.....	1
		Industrial history.....	

LOS ANGELES, CALIF.

	I. ENGINEERING PREPARATORY.	II. MECHANIC ARTS.	III. HOME ECONOMICS.	IV. COMMERCIAL.	V. LITERARY—SCIENTIFIC.	VI. GENERAL ELECTIVE.
B7	<p>Preparatory to high-school courses in engineering. Boys expecting to attend technical institutes or colleges should elect course V.</p> <p><i>Periods.</i> English.....5 Geography.....5 Mathematics.....5 Physical education...5 Penmanship.....5 Music.....5 Practical arts.....5</p>	<p>Preparatory to high-school courses in mechanic arts. Boys expecting to go to high school must elect mathematics in the B8 grade.</p> <p><i>Periods.</i> English.....5 Geography.....5 Mathematics.....5 Physical education...5 Penmanship.....5 Music.....5 Practical arts.....5</p>	<p>Preparatory to high-school courses in home economics.</p> <p><i>Periods.</i> English.....5 Geography.....5 Mathematics.....5 Physical education...5 Penmanship.....5 Music.....5 Clothing.....5</p>	<p>Preparatory to high-school commercial courses. Pupils completing penmanship may substitute another subject.</p> <p><i>Periods.</i> English.....5 Geography.....5 Mathematics.....5 Physical education...5 Penmanship.....5 Music.....5 Practical arts.....5 Boys—shop subjects. Girls—clothing.</p>	<p>Preparatory to high-school courses leading to colleges of letters, science, and technology.</p> <p><i>Periods.</i> English.....5 Geography.....5 Mathematics.....5 Physical education...5 Penmanship.....5 Music.....5 Practical arts.....5 Boys—shop subjects. Girls—clothing.</p>	<p>For pupils who want to try several lines of work. This course will not fit pupils for all high-school courses.</p> <p><i>Periods.</i> English.....5 Geography.....5 Mathematics.....5 Physical education...5 Penmanship.....5 Music.....5 Practical arts.....5 Boys—shop subjects. Girls—clothing.</p>
A7	<p>English.....5 Geography.....5 Mathematics.....5 Physical education...5 Drawing.....5 History.....5 Practical arts.....5</p>	<p>English.....5 Geography.....5 Mathematics.....5 Physical education...5 Drawing.....5 History.....5 Practical arts.....5 Boys—shop subjects. Girls—foods.</p>	<p>English.....5 Geography.....5 Mathematics.....5 Physical education...5 Drawing.....5 History.....5 Practical arts.....5 Boys—shop subjects. Girls—foods.</p>	<p>English.....5 Geography.....5 Mathematics.....5 Physical education...5 Drawing.....5 History.....5 Practical arts.....5 Boys—shop subjects. Girls—foods.</p>	<p>English.....5 Geography.....5 Mathematics.....5 Physical education...5 Drawing.....5 History.....5 Practical arts.....5 Boys—shop subjects. Girls—foods.</p>	<p>English.....5 Geography.....5 Mathematics.....5 Physical education...5 Drawing.....5 History.....5 Practical arts.....5 Boys—shop subjects. Girls—foods.</p>
B8	<p>English.....5 History.....5 Mathematics.....5 Mechanical drawing...5 Physical education...5 Oral English-music...5 Practical arts.....5</p>	<p>English.....5 History.....5 Mechanical drawing...5 Mathematics, type-writing, penmanship, or printing...5 Physical education...5 Oral English-Music...5 Practical arts.....5</p>	<p>English.....5 History.....5 Free-hand drawing...5 Mathematics, foreign language, typewriting, or penmanship...5 Physical education...5 Oral English-music...5 Foods.....5</p>	<p>English.....5 History.....5 Mathematics.....5 Latin, French, or Spanish.....5 Physical education...5 Oral English-music...5 Shop, foods, printing, typing, free-hand, mech. drawing, or penmanship.....5</p>	<p>English.....5 History.....5 Mathematics.....5 Typewriting, or foreign language (elect two)...10 Physical education...5 Oral English-music...5 Shop, foods, printing, typewriting, freehand, mech. drawing, or penmanship.....5</p>	<p>English.....5 History.....5 Mathematics.....5 Typewriting, or foreign language (elect two)...10 Physical education...5 Oral English-music...5 Shop, foods, printing, typewriting, freehand, mech. drawing, or penmanship.....5</p>

<p>A. 6</p> <p>English..... 5 Applied science..... 5 Mathematics..... 5 Mechanical drawing..... 5 Physical education..... 5 Occupations-civics..... 5 Practical arts..... 5</p>	<p>English..... 5 Applied science..... 5 Mathematics..... 5 Latin, French, or Spanish..... 5 Physical education..... 5 Occupations-civics..... 5 Shop, clothing, printing, typewriting, free-hand, mech. drawing, or penmanship..... 5</p>	<p>English..... 5 Applied science..... 5 Mathematics, bookkeeping, typewriting, or penmanship (elect two)..... 10 Physical education..... 5 Occupations-civics..... 5 Practical arts..... 5 Boys—elect..... 5 Girls—clothing..... 5</p>	<p>English..... 5 Applied science..... 5 Free-hand drawing..... 5 Mathematics, bookkeeping, foreign language, typewriting, or penmanship..... 5 Physical education..... 5 Occupations-civics..... 5 Clothing..... 5</p>	<p>English..... 5 History or citizenship..... 5 Mechanical drawing..... 5 Mathematics, bookkeeping, general science, stenography, typewriting, printing, or penmanship..... 5 Physical education..... 5 Occupations-civics..... 5 Practical arts..... 5</p>	<p>English..... 5 General history or citizenship..... 5 Mathematics..... 5 Mechanical drawing..... 5 Physical education..... 2 Music or oral English..... 5 Practical arts or general science..... 5</p>
<p>B</p> <p>English..... 5 History or citizenship..... 5 General science, mathematics, bookkeeping, drawing, stenography, or foreign language (elect two)..... 10 Physical education..... 5 Music or oral English..... 2 Shop, foods, journalism, printing, typewriting, penmanship, or drawing..... 5</p>	<p>English..... 5 Citizenship or history..... 5 Mathematics..... 5 General science or foreign language..... 5 Physical education..... 2 Music or oral English..... 5 Shop, foods, journalism, printing, typewriting, penmanship, or drawing..... 5</p>	<p>English..... 5 History or citizenship..... 5 Commercial arithmetic..... 5 Bookkeeping, stenography, typewriting, or penmanship..... 5 Physical education..... 2 Music-oral English..... 5 Shop, foods, journalism, typing, penmanship, or drawing..... 5</p>	<p>English..... 5 History or citizenship..... 5 Free-hand drawing..... 5 Mathematics, bookkeeping, stenography, general science, foreign language, typewriting, or penmanship..... 5 Physical education..... 2 Music or oral English..... 5 Foods..... 5</p>	<p>English..... 5 History or citizenship..... 5 Mechanical drawing..... 5 Mathematics, bookkeeping, general science, stenography, typewriting, printing, or penmanship..... 5 Physical education..... 2 Music or oral English..... 5 Practical arts..... 5</p>	<p>English..... 5 General history or citizenship..... 5 Mathematics..... 5 Mechanical drawing..... 5 Physical education..... 2 Music or oral English..... 5 Practical arts or general science..... 5</p>
<p>A. 9</p> <p>English..... 5 History or citizenship..... 5 General science, mathematics, bookkeeping, drawing, stenography, or foreign language (elect two)..... 10 Physical education..... 5 Music or oral English..... 2 Shop, foods, journalism, printing, typewriting, penmanship, or drawing..... 5</p>	<p>English..... 5 Citizenship or history..... 5 Mathematics..... 5 General science or foreign language..... 5 Physical education..... 2 Music or oral English..... 5 Shop, clothing, journalism, printing, typewriting, penmanship, or drawing..... 5</p>	<p>English..... 5 History or citizenship..... 5 Commercial arithmetic..... 5 Bookkeeping, stenography, typewriting, or penmanship..... 5 Physical education..... 2 Music or oral English..... 5 Shop, clothing, journalism, printing, typewriting, penmanship, or drawing..... 5</p>	<p>English..... 5 History or citizenship..... 5 Free-hand drawing..... 5 Mathematics, bookkeeping, stenography, general science, foreign language, typewriting, or penmanship..... 5 Physical education..... 2 Music or oral English..... 5 Clothing..... 5</p>	<p>English..... 5 History or citizenship..... 5 Mechanical drawing..... 5 Mathematics, bookkeeping, general science, stenography, typewriting, printing, or penmanship..... 5 Physical education..... 2 Music or oral English..... 5 Practical arts..... 5</p>	<p>English..... 5 General history or citizenship..... 5 Mathematics..... 5 Mechanical drawing..... 5 Physical education..... 2 Music or oral English..... 5 Practical arts or general science..... 5</p>

JUNIOR HIGH SCHOOL PROGRAMS OF STUDY.

MINNEAPOLIS, MINN.

Years.	Subjects.	Periods a week.	Subjects.	Periods a week.
	<i>Required.</i>		<i>Elective.</i>	
C	English (grammar, composition, literature, spelling, and penmanship).....	8		
	Mathematics.....	5		
	Geography.....	5		
	Music.....	1½		
	Physical education.....	2		
	Industrial work and related art ¹	7½		
B	English (grammar, composition, literature, spelling, and penmanship).....	8		
	Mathematics.....	5		
	Geography.....	5		
	Hygiene, home and public sanitation.....	1		
	Music.....	1½		
	Physical education.....	2		
	Industrial work and related art ¹	7½		
A	English (grammar, composition, literature, spelling, and penmanship).....	8		
	Mathematics.....	5		
	Geography.....	5		
	Citizenship and civics.....	1		
	Music.....	1½		
	Physical education.....	2		
	Industrial work and related art ¹	7½		
C	English (grammar, composition, literature, spelling, and penmanship).....	8	<i>Elect one.²</i>	
	Mathematics.....	5	Design.....	7½
	American history.....	5	Pottery.....	7½
	Citizenship and civics.....	5	Printing (for girls).....	7½
	Music.....	1½		
	Physical education.....	2		
	Industrial work and related art ¹	7½		
B	English (grammar, composition, literature, spelling and penmanship).....	8	<i>Elect one.²</i>	
	Mathematics.....	5	Design.....	7½
	American history.....	5	Pottery.....	7½
	Citizenship and civics.....	1	Art metal.....	7½
	Music.....	1½	Penmanship (business forms).....	5
	Physical education.....	2	Printing (for girls).....	7½
	Industrial work and related art ¹	7½	Latin.....	5
			French.....	5
A	English (grammar, composition, literature, spelling, and penmanship).....	8	<i>Elect One.²</i>	
	Mathematics.....	5	Design.....	7½
	American history.....	5	Pottery.....	7½
	Citizenship and civics.....	1	Art metal.....	7½
	Music.....	1½	Commercial (machine operating).....	5
	Physical education.....	2	Latin.....	5
	Industrial work and related art ¹	7½	French.....	5
			Spanish.....	5
			Printing (for girls).....	7½

¹ Boys: Mechanical drawing, sheet metal, woodwork, printing, agriculture, electricity, and applied mechanics. Girls: Sewing, cooking, home making, textiles, millinery, and junior home nursing. (One of the cycle.)

² To be elected in place of industrial work and related art.

MINNEAPOLIS, MINN.—Continued.

Years.	Subjects.	Periods a week.	Subjects.	Periods a week.
C	<i>Required.</i>		<i>Elect three.</i>	
	English (grammar, composition, literature, spelling, and penmanship). Chorus. Physical education.	5 2 2	Mathematics..... Science (general)..... History (world)..... Commercial geography..... Commercial (machine operating and bookkeeping). Latin..... French..... Spanish..... Industrial work or art or music.....	5 5 5 5 7½ 5 5 5 7½
9 B	<i>Required.</i>		<i>Elect three.</i>	
	English (grammar, composition, literature, spelling, and penmanship). Chorus. Physical education.	5 2 2	Mathematics..... Science (general)..... History (world)..... Commercial geography..... Commercial (machine operating and bookkeeping). Latin..... French..... Spanish..... Industrial work or art or music.....	5 5 5 5 7½ 5 5 5 7½
A	<i>Required.</i>		<i>Elect three.</i>	
	English (grammar, composition, literature, spelling, and penmanship). Chorus. Physical education.	5 2 2	Mathematics..... Science (general)..... History (world)..... Commercial geography..... Commercial (machine operating and bookkeeping). Latin..... French..... Spanish..... Industrial work or art or music.....	5 5 5 5 7½ 5 5 5 7½

MURRAY, UTAH.

Seventh grade.	Pe-riods.	Eighth grade.	Pe-riods.	Ninth grade.	Pe-riods.
English.....	4	English.....	4	English.....	5
Reading, spelling, and penmanship.....	4	Reading, spelling, and penmanship.....	4	General science.....	5
Geography.....	4	U. S. history.....	4	Commercial arithmetic or mathematics.....	5
Mathematics.....	4	Mathematics.....	4	Physical education, elective.....
Applied art.....	2	Cooking or manual training.....	2		
Sewing or manual training.....	2	Applied art.....	2		
Music.....	2	Music.....	2		
Health and civics.....	3	Health and civics.....	3		
Elective.....	Elective.....		

Electives, seventh and eighth grades.	Pe-riods.	Electives, eighth and ninth grades.	Pe-riods.
Music.....	5	Music.....	5
Nature study.....	5	Ancient history.....	5
French.....	5	Oral English.....	5
General agriculture and project work.....	5	French.....	5
General home economics (Smith-Lever work).....	5	Latin.....	5
		Typewriting.....	5
		Commercial arithmetic.....	5
		General agriculture and project work.....	10
		Agronomy (Smith-Hughes).....	10
		Cookery (Smith-Hughes).....
		Sewing (Smith-Hughes).....
		Community mechanics.....
		Auto mechanics (for ninth grade only).....	10

NEW BRUNSWICK, N. J.

SEVENTH YEAR.

Subjects.	Periods a week.	Subjects.	Periods a week.
FIRST SEMESTER.		SECOND SEMESTER.	
<i>Required.</i>		<i>Required.</i>	
English (literature, compo., grammar, spelling, and penmanship).....	8	English (literature, compo.).....	7
Arithmetic.....	5	Arithmetic.....	5
Geography.....	5	Geography.....	4
U. S. history.....	4	U. S. history and civics.....	4
Civics and hygiene.....	3	Elementary science.....	3
Drawing.....	2	Physical training.....	2
Physical training.....	2	Music.....	2
Music.....	2	Practical arts, with drawing, shop work, boys; domestic sci. and arts (girls).....	4
Manual training, boys; or domestic sci. and arts (girls).....	4	Electives.....	4
Total.....	35	Total.....	35
<i>Electives.</i>		<i>Electives (choose one).</i>	
None.		Academic: English (literature, compo.).....	4
		Commercial: Business forms, penmanship, and arithmetic (rapid calculations).....	4
		Practical arts: Shop work.....	4

EIGHTH YEAR.

Subjects.	Periods a week.	Subjects.	Periods a week.
FIRST SEMESTER.		SECOND SEMESTER.	
<i>Required.</i>		<i>Required.</i>	
English (literature, compo., grammar, spelling, and penmanship).....	6	English (literature, compo., grammar, spelling, and penmanship) ¹	6
Mathematics.....	5	Mathematics.....	5
History and civics.....	4	History and civics.....	4
Commercial geography.....	4	Elementary science.....	3
Elementary science.....	3	Physical training ²	2
Physical training ²	2	Music.....	2
Music.....	2	Practical arts with drawing shop work (boys); dom. sci. and arts (girls).....	4
Practical arts with drawing shop work (boys); dom. sci. and arts (girls).....	4	Electives.....	9
Electives.....	5		
Total.....	35	Total.....	35
<i>Electives (choose one in either academic, commercial, or practical arts division).</i>		<i>Electives.</i>	
Academic:		Academic:	
English (literature, compo.).....	5	English (literature, compo.).....	5
French.....	5	French.....	5
Latin.....	5	Latin.....	5
Commercial:		Commercial:	
Typewriting.....	5	Typewriting.....	5
Business forms and practices, drills in rapid calculation.....	5	Business forms and practices, drills in rapid calculation.....	5
Practical arts:		Practical arts:	
Shop work, drafting, and art.....	5	Shop work, drafting and art.....	5

¹ See (1) under Seventh Year.

² See (2) under Seventh Year.

Note: A foreign language can not be elected unless standard of English is high.

NEW BRUNSWICK, N. J.—Continued.

NINTH YEAR.

First and second semesters

Academic subjects.	Periods a week.	Commercial subjects.	Periods a week.	Scientific subjects.	Periods a week.	Practical arts—general subjects.	Periods a week.
<i>Required.</i>		<i>Required.</i>		<i>Required.</i>		<i>Required.</i>	
English.....	5	English.....	5	English.....	5	English.....	5
Algebra.....	5	Com. arith. and bookkeeping.	5	Algebra.....	5	Com. arith. and bookkeeping.	5
Com. civics and elem. science.	5	Com. civics and elem. science.	5	Com. civics and elem. science.	5	Com. civics and elem. science.	5
Physical training ¹	2	Physical training ¹	2	Physical training ¹	2	Physical training ¹	2
Drawing.....	2	Drawing.....	2	Mech. draw. and shopwork (boys), dom. sci. and arts (girls).	4	Mech. draw. and shopwork (boys), dom. sci. and arts (girls).	6
Music.....	1	Music.....	1	Music.....	1	Music.....	1
Latin.....	5	Electives.....	5	Electives.....	5	Electives.....	5
		<i>Electives.</i>		<i>Electives.</i>			
		Latin.....	5	Latin.....			5
		French.....	5	French.....			5
		Spanish.....	5	Spanish.....			5
		Home econ. and applied art or shopwork.	5	Home econ. and applied art or shopwork.....			5
		Typewriting (one half credit).	5				
		Algebra.....	5				

¹ See (2) under Seventh Year.

A certificate from the junior high school will be granted when all requirements of the year, division, or course chosen are met. In the ninth year, 22 credits or points are required. In making up this number it should be noted that shopwork, cooking, sewing, and typewriting may be counted as credits only for half their prescribed recitation periods; physical training and drawing each for one credit.

JUNIOR HIGH SCHOOL PROGRAMS OF STUDY.

OAKLAND, CALIF.

The junior high school course is planned on the basis of a 6-hour day, divided into 8 periods of approximately 40 minutes each, including changes.

	7th.	L-8.	H-8.	L-9.	H-9.
<i>Required.</i>					
English.....	5	5	5	5	5
Social studies: ¹					
History.....	3	3	3	3	3
Civics.....			3	3	3
Geography.....	2	2	2	5	5
Science and hygiene.....	3	3	3	3	3
Mathematics.....	3	3	3		
Physical education and habit hygiene.....	3	3	3		
Music (appreciation).....	2	2	2		
Drawing.....	4	4	4	5	5
Industrial and home arts.....	8	10	10	9	9
Study periods required.....					
Total.....	35	35	35	30	30
<i>Elective.</i>					
Foreign language.....	5	5	5	4 15 4 10	4 15 4 10
General mathematics—elementary algebra, geometry, trigonometry.....				5	5
History.....				5	5
Typing.....	5	5	5	(5 to 10)	
Stenography.....				5	5
Office practice.....				5	5
Bookkeeping and commercial arithmetic.....		5	5	(5 to 10)	
Drawing and design.....		(2 to 5)		(5 to 10)	
Printing.....		5	5	(5 to 10)	
Mechanical drawing.....				(5 to 10)	
Industrial arts.....	5	5	5	(5 to 15)	
Home arts.....	5	5	5	(5 to 10)	
Agriculture.....	5	5	5	(5 to 10)	
Glee club.....	3	3	3	3	3
Dramatic club.....	2	2	2	2	2
Orchestra.....	Spec.	2	2	5	5

¹ This includes H-8 occupations, one period; L-9 occupations, two periods.
² The superintendent's council reserves the matter of decision on the items in the lines (1) for further consideration.
³ For girls.
⁴ For boys.

RICHMOND, VA.

SIXTH GRADE (FIRST YEAR).

Subjects.	Periods a week.	Subjects.	Periods a week.
<i>Required.</i>		<i>Required.</i>	
English literature.....	3	English literature.....	3
Composition, grammar and spelling.....	5	Composition, grammar and spelling.....	5
United States history.....	2	United States history.....	2
Geography.....	3	Geography.....	3
Arithmetic.....	5	Arithmetic.....	5
Physical training and hygiene.....	2	Penmanship.....	1
Penmanship.....	1	Total.....	19
Music.....	1	<i>Elective.</i>	
Drawing.....	1	Must select 11 periods of the following:	
Girls—sewing.....	2	Free-hand drawing.....	5
Boys—manual training.....	2	Mechanical drawing.....	6
Total.....	27	Woodwork.....	6
<i>Elective.</i>		Sewing or cooking.....	6
May select 5 periods of the following:		Electrical work.....	6
French.....	5		
German.....	5		
Spanish.....	5		
Latin.....	5		
Free-hand drawing.....	5		

RICHMOND, VA.—Continued.

SEVENTH GRADE (SECOND YEAR).

Subjects.	Periods a week.	Subjects.	Periods a week.
<i>Required.</i>		<i>Required.</i>	
English literature.....	3	English literature.....	3
Composition, grammar and spelling.....	5	Composition, letters, forms, spelling.....	5
United States history and civics.....	3	United States history and civics.....	3
Geography.....	2	Geography.....	3
Arithmetic.....	5	Arithmetic.....	3
Physical training and hygiene.....	1	Penmanship.....	1
Music.....	1		
Penmanship.....	1		
Total.....	21	Total.....	19
<i>Elective.</i>		<i>Elective.</i>	
Must select 5 periods and may select 9 of the following:		Must select 11 periods of the following:	
General science.....	4	Printing.....	6
French, Spanish, or Latin.....	5	Electrical work.....	6
Typewriting.....	5	Cooking or sewing.....	6
Cooking or sewing.....	4	Free-hand drawing.....	5
Mechanical drawing.....	4	Mechanical drawing.....	5
Algebra.....	5	Carpentry.....	6
Manual training.....	4		
Business English.....	3		
Drawing.....	1		
Free-hand drawing.....	5		

EIGHTH GRADE (THIRD YEAR).

<p><i>Course—scientific.</i></p> <p>Physical geography. English. Algebra.</p> <p><i>Elect one.</i></p> <p>Latin. French. German.</p> <p><i>Course—Latin.</i></p> <p>Latin. English. Algebra.</p> <p><i>Elect one.</i></p> <p>Physical and commercial. Geography. History (Greek and Roman).</p> <p><i>Course—history.</i></p> <p>History. Algebra. English.</p> <p><i>Elect one.</i></p> <p>Latin. French. German.</p> <p><i>Course—modern language.</i></p> <p>English. Algebra. A modern language.</p> <p><i>Elect one.</i></p> <p>Physical and commercial geography. History (Greek and Roman).</p> <p><i>Course—commercial</i></p> <p>English. Commercial arithmetic. Physical and commercial geography.</p> <p><i>Elect one.</i></p> <p>Latin. French. German.</p>	<p><i>Course—manual arts (boys).</i></p> <p>English. Algebra. Free-hand drawing. Mechanical drawing.</p> <p><i>Elect two.</i></p> <p>History. A modern language. Wood or electric work or printing.</p> <p><i>Course—manual arts (girls).</i></p> <p>English. Algebra. A modern language. Cooking. Applied art.</p> <p><i>Elective course.</i></p> <p>Studies printed in capitals are compulsory.</p> <p>(Four subjects.)</p> <p>ENGLISH. Algebra. Commercial arithmetic. Latin, French, German, or Spanish. Greek and Roman history. Geography. Typewriting. Business correspondence. Manual arts. Printing. Piano or violin. (Pupils taking typewriting in this year must carry business correspondence also.)</p>
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JUNIOR HIGH SCHOOL PROGRAMS OF STUDY.

ROCHESTER, N. Y.

Grades.	7-B	7-A	8B-8A	8B-8A	8B-8A	9B-9A	9B-9A	9B-9A	7-8-9
Curriculums.	Gen. eral.	Gen. eral.	Foreign lan- guage.	Tech.	Com'l.	Foreign lan- guage.	Tech.	Com'l.	Indus- trial and house- hold.
English.....	6	6	6	6	6	5	6	5	3
Social studies.....	6	6	4	4	4				2
Mathematics.....	5	5	5	5	5				3
Science.....	2	2	2	2	2	5	5	3	1
Health education.....	1		1	1	1	1	1	1	1
Industrial and household arts.....	3	3	3	4	3	3	6	3	15
Penmanship.....	1	1	B-1	B-1	1				
Music.....	1	1	1	1	1	1	1	1	
Drawing.....	1	1	B-1 A-1	1		2			
Foreign language.....						5			
Typewriting.....					A-3			3	
First lessons in business and mathematics.....					4				
Commercial geography.....					B-4				
Commercial occupation.....					A-1			1	
Bookkeeping.....								5	
Mechanical drawing or design.....				2			3		3
Guidance.....	1	1	B-1 A-1	1	1	1	1		
School activities.....	3	3	3	3	3	3	3	3	2

1 Pupils may elect this curriculum any time after they are 14 years of age and have completed the work of the sixth grade. A State certificate is given on the completion of a 2-year course. A student following this curriculum may receive a certificate of graduation from the school provided he has attended 3 years and has met the necessary requirements.
Each period is 60 minutes long.

SAVANNAH, GA.

FIRST YEAR.

Subjects.	Periods a week.	Subjects.	Periods a week.
<i>General.</i>		<i>Pre-Vocational.</i>	
English language, composition, grammar.....	5	English language, composition, grammar.....	5
Mathematics, arithmetic, practical problems.....	5	Mathematics, arithmetic, practical problems.....	5
American history and civics.....	3	American history and civics.....	3
Descriptive geography.....	3	Descriptive geography.....	3
Manual training (boys).....	2D	Manual training (boys).....	2D
Plain sewing (girls).....	2D	Plain sewing (girls).....	2D
Physiology and hygiene—physical training.....	5	Physiology and hygiene—physical training.....	5
Freehand drawing.....	2	Freehand drawing.....	2
Music, singing.....	2	Music, singing.....	2

SECOND YEAR.

English composition.....	5	English composition.....	5
Mathematics, practical trade problems, elementary algebra.....	5	Mathematics, elementary algebra, shop problems.....	5
History, modern events, citizenship.....	3	History, modern events, citizenship.....	3
Manual training (boys).....	2D	Manual training (boys).....	2D
Cooking (girls).....	2D	Cooking (girls).....	2D
Physical training and hygiene.....	2	Physical training and hygiene.....	2
Freehand drawing, watercolor.....	2	Freehand drawing, watercolor.....	2
Music, singing.....	2	Music, singing.....	2
Elementary science.....	3	Elementary science.....	3
<i>Electives.</i>		<i>Electives.</i>	
Commercial geography.....	3	Mechanical drawing.....	2
French, conversation and correspondence.....	5	French, conversation and correspondence.....	5
Spanish, conversation and correspondence.....	5	Spanish, conversation and correspondence.....	5
		Commercial geography.....	3

JUNIOR HIGH SCHOOL PROGRAMS OF STUDY.

SAVANNAH, GA - Continued.

THIRD YEAR.

Subjects.	Periods a week.	Subjects.	Periods a week.
English composition, speaking classics.....	5	English composition, speaking classics.....	5
Mathematics, elementary algebra, constructive geometry.....	5	Mathematics, elementary algebra, constructive geometry.....	5
Civics.....	3	Industrial history.....	5
Physical training.....	2	Physical training.....	2
Music.....	2	Music.....	2
<i>Electives.</i>		<i>Electives.</i>	
Manual training.....	2D	Manual training.....	2D
Cooking, dressmaking.....	2D	Cooking, dressmaking.....	2D
French.....	5	French.....	5
Spanish.....	5	Spanish.....	5
First-year Latin.....	5	Physical geography.....	3
Geography (physical).....	3	Mechanical drawing.....	3
Agriculture.....	3		
Drawing.....	2		

D=Double period.

SOUTH BEND, IND.

SEVENTH YEAR.

Subjects.	Periods a week.	Subjects.	Periods a week.
English.....	5	Music.....	1
Mathematics.....	5	Art.....	2
Geography.....	5	Vocational.....	3
History and civics.....	5	Auditorium.....	1
Physical education.....	2	Elective.....	1

EIGHTH YEAR.

English.....	5	Physical education.....	2
Mathematics.....	5	Music.....	1
Community civics.....	5	Art.....	2
Commercial geography.....	5	Auditorium.....	1
Vocational.....	3	Elective.....	1

NINTH YEAR.

<i>Required.</i>		<i>Elective—Continued.</i>	
English.....	5	Foreign language.....	5
Mathematics.....	5	Vocational.....	5
Physical education.....	2	Music.....	2
<i>Elective.</i>		Art.....	2
General science.....	5	Auditorium.....	1
History.....	5		

WINCHESTER, VA

SEVENTH YEAR.		EIGHTH YEAR.		NINTH YEAR.	
Subjects.	Pe-riods a week	Subjects.	Pe-riods a week.	Subjects.	Pe-riods a week.
<i>Required.</i>		<i>Required.</i>		<i>Required.</i>	
English.....	8	English.....	4	English.....	4
Mathematics.....	4	Mathematics.....	4	U. S. history, civics, current events.....	4
U. S. history, civics, current events.....	3	U. S. history, civics, current events.....	3	Physical education.....	2
Applied art (girls).....	2	Applied art (girls).....	2	Music.....	1
Applied art, mechanical drawing (boys).....	2	Applied art, mechanical drawing (boys).....	2	Unassigned, study, advisers, including hygiene and guidance.....	3
Domestic science, cooking (girls).....	2	Domestic science, sewing (girls).....	2	<i>Elective courses— Academic course.</i>	
Industrial, woodwork (boys).....	2	Industrial, agriculture (boys).....	2	Mathematics.....	4
Music.....	1	Music.....	1	General science.....	4
Physical education.....	2	Physical education.....	2	French or Latin.....	4
Geography.....	2	Geography.....	2	Art.....	2
Unassigned, study, advisers, including hygiene and guidance.....	4	Unassigned, study, advisers, including hygiene and guidance.....	4	<i>Commercial course.</i>	
Total (boys, girls).....	28	<i>Elective groups.</i> (Elect one subject only.)		Commercial arithmetic and geography.....	4
		<i>Academic.</i>		Office practice and penmanship.....	4
		Latin.....	4	Typewriting.....	4
		French.....	4	Art.....	2
		<i>Commercial.</i>		<i>Agricultural industrial course.</i>	
		Business, office practice.....	4	Mathematics.....	4
		Typewriting.....	4	Shop and farm mechanics (boys).....	8
		<i>Industrial agricultural.</i>		Domestic science (girls).....	8
		Shop and farm mechanics (boys).....	8	Mechanical drawing (boys).....	2
		Cooking, sewing (girls).....	4	Art, correspondence, domestic science (girls).....	2
		Total (boys, girls).....	28	Total each course.....	28

MASSACHUSETTS.

Subjects.	Grade 7.	Grade 8.	Grade 9.
English.....	5	5	5
Library.....	1	1	1
Social studies.....	4	4	4
Mathematics.....	3	3	3
Science.....	2	2	2
Foreign language.....	0 or 3	0 or 4	0 or 1
Practical arts.....	3 or 6	0 or 2 or 6	0 or 2 or 6 or 8
Fine arts.....	10	10	10
Physical training.....	2	2	2
	25	25	25

The foregoing program assumes 25 class periods per week for each pupil, and in addition a weekly assembly period, a weekly period for organizations, and daily setting-up exercises. The plan provides for constants and for some exploratory work by the student. Curricula are not-differentiated, but there is a modification of the work in mathematics to meet the needs of different groups, and there is much opportunity for choice in foreign language, practical arts, and fine arts.

OHIO.

Suggested single curriculum for small junior high schools.

Grade 7.		Grade 8.		Grade 9.	
Subjects.	Periods	Subjects.	Periods	Subjects.	Periods.
<i>Required.</i>		<i>Required.</i>		<i>Required.</i>	
English.....	5	English.....	5	English.....	5
History and geography.....	5	History.....	5	Science.....	4-5
Arithmetic.....	5	Mathematics.....	4-5	Physical education.....	2
Hygiene.....	2	Hygiene.....	2	Community civics (half year); occupational studies (boys, ½ year); home-making (girls, ½ year).....	5
Physical education.....	2	Physical education.....	1		
Music.....	1	Music.....	1		
Government and citizenship.....	1	Government and citizenship.....	1		
Penmanship.....	1	Elementary science.....	2-3		
Practical arts: Household arts (girls); manual arts (boys).....	4				16-17
Total.....	26				
<i>Elective.</i>		<i>Elective.</i>		<i>Elective.</i>	
Drawing.....	2	Practical arts: Manual arts (boys); household arts (girls).....	4	Mathematics.....	4-5
Latin.....	3-4	Agriculture.....	4	History.....	4-5
Choose one.		Latin.....	4	Foreign language (Latin, French or Spanish).....	5
		Commercial.....	4	Agriculture.....	4-5
		Choose two.		English.....	5
				Commercial.....	4-5
				Choose three.	

OREGON.
SEVENTH YEAR.

Subjects.	Minutes per week of teaching.	Number of periods a week.	
		Length 45 minutes.	Length 60 minutes.
<i>Subjects.</i>			
English.....	150	6	5
History.....	150	5	4
Mathematics.....	150	5	4
Geography.....	120	4	3
Physical training.....	120	3	2
Prevocational ¹	150	4	3
<i>Limited electives (choose one).</i>			
Art.....	130	3	2
Music.....	130	3	2
<i>Electives.</i>			
French.....	150	5	4
Music.....	110	2½	2
Art.....	110	2½	2
Constants ²		24	19
Required ²		27	21

EIGHTH YEAR.

<i>Required.</i>			
English.....	150	5	4
History.....	150	5	4
Mathematics.....	150	5	4
Elementary science.....	150	5	4
Physical training.....	100		
<i>Limited electives (choose one).</i>			
French.....	150	5	4
Business English.....	90	3	2

¹ Shop work for boys, household arts for girls.

² Exclusive of physical training.

OREGON—Continued.
EIGHTH YEAR—continued.

Subjects.	Minutes per week of teaching.	Number of periods a week.	
		Length 45 minutes.	Length 60 minutes.
<i>Electives.</i>			
Music.....	130	3	2
Art.....	130	3	2
Prevocational ¹	180	4	3
Constants ²		20	16
Required ²		23	13

NINTH YEAR.

<i>Required.</i>			
English.....	150	5	5
Biology.....	150	5	5
Physical training.....	100		
<i>Limited electives (choose one).</i>			
European history.....	150	5	5
Civics.....	150	5	5
<i>Electives (one or two).</i>			
French.....	150	5	5
Latin.....	150	5	5
Mathematics.....	150	5	5
Music.....	110	2½	2
Art.....	110	2½	2
Prevocational ¹	180	4	3
Constants ²		10	10
Required ²		20	20

¹ Shop work for boys, household arts for girls.

² Exclusive of physical training.

PENNSYLVANIA.

LOW SEVENTH. Term of adjustment.		HIGH SEVENTH. First term of exploration.	
Single curriculum required of all pupils.	Pe-riods.	Modified single curriculum required of all pupils for industrial and commercial try-outs.	Pe-riods.
<i>Prepared work.</i>		<i>Prepared work</i>	
English.....	5	English: Language try-out for commercial....	5
Arithmetic.....	5	General mathematics: With commercial	4
Social studies.....	4	▲ arithmetic.	
Geography and science.....	4		
Total.....	18	Social studies: History, community civics, vocational civics.....	4
		Geography—science.....	3
		Commercial: First lessons in business.....	1
		Total.....	17
<i>Unprepared work.</i>		<i>Unprepared work.</i>	
Health education.....	2	Health education.....	2
Practical arts, agriculture, home economics.....	2	Practical arts, agriculture, home economics....	3
Music.....	1	Music.....	1
Art.....	1	Art.....	1
Guidance.....	1	Guidance.....	1
Total.....	7	Total.....	8
Grand total.....	25	Grand total.....	25

Pupils for whom it is demonstrated that advance is impossible or impracticable beyond the junior high school should major in occupational training specializing either in practical arts, agriculture, home economics, or commercial work. Special rosters should be arranged for such pupils at the end of the seventh year. Special care must be observed that only the small residuum of pupils who must drop out are classified in this group.

LOW EIGHTH. Second term of exploration.		HIGH EIGHTH. Term of testing choice of electives.	
Modified single curriculum required of all pupils for try-out of general, mathematical, academic, and commercial curriculums.	Pe-riods.	Core curriculum.	Pe-riods.
<i>Prepared work.</i>		<i>Prepared work.</i>	
English.....	4	English.....	4
General mathematics.....	5	General mathematics.....	4
Social studies.....	4	Social studies.....	4
Elementary science.....	2	Elementary science.....	2
Commercial work.....	2	Total.....	14
Vocational guidance.....	1	<i>Unprepared work.</i>	
Total.....	18	Health education.....	2
<i>Unprepared work.</i>		Practical arts, agriculture, home economics..	1
Health education.....	2	Music.....	1
Practical arts, agriculture, home economics...	2	Art.....	1
Music.....	1	Guidance.....	1
Art.....	1	Total.....	6
Educational guidance for initial educational placement to test choice of electives in high eighths.....	1	<i>Electives (select one).</i>	
Total.....	7	Foreign language.....	5
Grand total.....	25	Commercial.....	5
		Practical arts (substituting related mathematics for required practical arts, etc., of core curriculum.....)	5
		Grand total.....	25

At the close of the low eighth all pupils should, under careful direction based upon thorough scrutiny of exploratory experiences, make selection of electives in the high eighth.

For the sake of those pupils whose original choice of electives is demonstrated to be an error, flexibility of cross-over between electives should be provided by means of coaching, special rosters, or study-coach class.

NINTH YEAR.

TRANSITION TO SENIOR HIGH SCHOOL.

Constants-with-variables or partially differentiated curriculum.

Core curriculum.	Pe-riods.	Electives.	Pe-riods.
English.....	5	General and mathematical curriculums:	
Social studies.....	5	Algebra.....	5
Health education.....	2	General science.....	5
Practical arts, agriculture, home economics...	1	Academic:	
Music.....	1	Algebra.....	5
Art.....	1	Foreign language.....	5
Total.....	15	Commercial:	
		Bookkeeping and business practice.....	5
		Typewriting and office practice.....	5
Vocational: Practical arts, agriculture, home economics.....			12
Omitting practical arts, etc., music and art, of core curriculum, leaving total of.....			11
Substituting vocational mathematics.....			14

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