

Rockwood Course Maps

These course maps were designed to provide a 9th grade-12th grade view of the courses offered in each content area. They can help you see what courses are available and how learning in each content area builds from year to year. The maps can help in planning to see what courses are offered, how they progress, and how they are connected. Note that courses may have prerequisites for enrollment. To review course descriptions and prerequisites, scan the QR code.

Core Content Course Maps–English Language Arts, Social Studies, Math and Science

English Language Arts Course Map –4 Credits needed for Graduation			
9th Grade Core Course Options	10th Grade Core Course Options	11th Grade Core Course Options	12th Grade Course Options:
<ul style="list-style-type: none"> ● 9th Grade English Language Arts ● 9th Grade Accelerated English Language Arts ● 9th Grade Advanced Language Arts Research Presentation 	All courses open to 9th Grade students AND these additional courses: <ul style="list-style-type: none"> ● 10th Grade English Language Arts ● 10th Grade Accelerated English Language Arts ● 10th Grade Advanced Language Arts Research Presentation 	All courses open to 9th and 10th Grade students AND these additional courses: <ul style="list-style-type: none"> ● 11th Grade English Language Arts ● 11 Concepts of Literature and Communication ● AP Literature and Composition ● AP Language and Composition 	All courses open to 9th-11th Grade students AND these additional courses: <ul style="list-style-type: none"> ● 12th Grade Career Communication & Composition ● Multicultural Literature ● Popular Literature ● Introduction to College Literature ● Introduction to College Writing ● Topics in College Literature: Contemporary Novels
Electives Open to 9th Grade Students	Electives Open to 10th Grade Students	Electives Open to 11th Grade Students	
Journalism Writing and Reporting	Journalism Writing and Reporting	All courses open to 9th & 10th Grade students AND these additional course <ul style="list-style-type: none"> ● Creative Writing ● Black Literature ● Science Fiction Literature ● Sports Literature & Writing 	

View Language Art course prerequisites and course descriptions on our website.




Social Studies Course Map–3 Credits Required for Graduation

9th Grade Core Course Options	10th Grade Core Course Options	11th Grade Core Course Options
<ul style="list-style-type: none"> ● US History ● Honors US History 	All courses open to 9th Grade students AND these additional courses: <ul style="list-style-type: none"> ● World History ● AP World History ● AP European History 	All courses open to 9th and 10th Grade students AND these additional courses: <ul style="list-style-type: none"> ● US Government ● AP Government and Politics
Electives Open to 9th Grade Students	Electives Open to 10th Grade Students:	Electives Open to 11th & 12th Grade Students
<ul style="list-style-type: none"> ● Civil War and Reconstruction ● AP Human Geography 	All courses open to 9th grade students AND these additional courses: <ul style="list-style-type: none"> ● Economics and Personal Finance ● Law and Justice 	All courses open to 9th & 10th Grade students AND these additional courses: <ul style="list-style-type: none"> ● Sociology ● Psychology ● Contemporary Issues ● Politics and Conflict ● AP Economics & Personal Finance ● AP US History ● AP Psychology

View Social Studies course prerequisites and course descriptions on our website.



Science Course Map—3 Credits Required for Graduation

9th Grade Course Options	10th Grade Course Options	11th Grade Course Options	12th Course Options
<ul style="list-style-type: none"> ● Biology ● Honors Biology 	<p>All courses open to 9th Grade students AND these additional courses:</p> <ul style="list-style-type: none"> ● Chemistry ● Honors Chemistry ● Physical Science 	<p>All courses open to 9th & 10th Grade students AND these additional courses:</p> <ul style="list-style-type: none"> ● Environmental Science ● Geoscience ● Authentic Applications of Biochemistry ● Human Anatomy and Physiology ● Forensic Science ● AP Physics 1 ● AP Physics 2 ● AP Advanced Physics ● AP Biology ● AP Chemistry ● AP Environmental Science ● Concepts of Semi-Micro Qualitative Analysis & Organic Chemistry ● Science Research 3 ● Medical Interventions (Project Lead the Way) 	<ul style="list-style-type: none"> ● Biomedical Innovations (Project Lead the Way) <p style="text-align: center;">View Science course prerequisites and course descriptions on our website.</p> <div style="text-align: center;">  <p>SCAN ME</p> </div>
Science Electives Open to 9th Grade Students	Science Electives Open to 10th Grade Students		
<ul style="list-style-type: none"> ● Science Research 1 [AP Seminar] ● Principles of Biomedical Sciences (Project Lead the Way) 	<p>All courses open to 9th Grade students AND these additional courses:</p> <ul style="list-style-type: none"> ● AP Physics 1 (dependent of level of math completed) ● Science Research 2 [AP Research] ● Human Body Systems (Project Lead the Way) 		

Math courses are organized sequentially. On pages 24 and 25, students will need to find the course map that starts with their 8th grade math course to map out their math plan.

Math Course Map—3 Credits Required for Graduation

All Students take an Algebra 1 Course	All Students take a Geometry Course
<ul style="list-style-type: none"> ● Algebra 1 ● Algebra 1--AMPED (Algebra, Manufacturing, Production, Entrepreneurship & Design) 	<ul style="list-style-type: none"> ● Geometry ● Geometry in Construction ● Honors Geometry

Student Took Math 8 in 8th Grade		
9th Grade Year	Algebra 1	
10th Grade Year	Geometry	OR
	Geometry in Construction	
11th Grade Year	Algebra 2	OR
	Honors Algebra 2 (includes Trigonometry)	
12th Grade Year	Trigonometry	OR
	Statistics	OR
	Algebra 3	OR
	AP Statistics	OR
	Precalculus	OR
	Finite Math	OR

Student Took Algebra 1 in 8th Grade		
9th Grade Year	Geometry	OR
	Geometry in Construction	
	Honors Geometry	
10th Grade Year	Honors Algebra 2 (includes Trigonometry)	
11th Grade Year	Precalculus	
12th Grade Year	AP Calculus AB	OR
	AP Calculus BC	
Additional Pathway		
11th Grade Year	Algebra 3	AND
	Trigonometry	
12th Grade Year	Precalculus	

View Math course prerequisites and course descriptions on our website.



Student Took Honors Geometry in 8th Grade		
9th Grade Year	Honors Algebra 2 (includes Trigonometry)	
10th Grade Year	Precalculus	
11th Grade Year	AP Calculus AB	OR
	AP Calculus BC	
	AP Statistics	
12th Grade Year	AP Calculus AB	OR
	AP Calculus BC	
	AP Statistics	
Additional Pathway		
10th Grade Year	Algebra 3	AND
	Trigonometry	
11th Grade Year	Precalculus	
12th Grade Year	AP Calculus AB	OR
	AP Calculus BC	
	AP Statistics	

Student Took Honors Algebra 2 with Trigonometry in 8th Grade		
9th Grade Year	Precalculus	
10th Grade Year	AP Calculus AB	OR
	AP Calculus BC	
	AP Statistics	
11th Grade Year	AP Calculus AB	OR
	AP Calculus BC	
	AP Statistics	
12th Grade Year	AP Calculus AB	OR
	AP Calculus BC	
	AP Statistics	
	Consult your counselor for other options	
Additional Pathway		
9th Grade Year	Algebra 3	OR
	Trigonometry	
10th Grade Year	Precalculus	
11th Grade Year	AP Calculus AB	OR
	AP Calculus BC	
	AP Statistics	
12th Grade Year	AP Calculus AB	OR
	AP Calculus BC	
	AP Statistics	
	Consult your counselor for other options	

Elective Course Maps–World Language; Speech and Debate

World Language Course Map

Rockwood does not have World Language graduation requirement. However, many colleges and universities require World Language for College admission. Students should consider their post-secondary plans when choosing whether or not to take a World Language and the number of years they take World Language.

9th Grade Course Options	10th Grade Course Options	11th Grade Course Options	12th Course Options
<ul style="list-style-type: none"> ● Spanish 1 ● Spanish 2 ● French 1 ● French 2 ● German 1 (may not be offered due to a state teacher shortage) ● German 2 (may not be offered due to a state teacher shortage) ● Latin 1 ● American Sign Language 1 	<p>All courses open to 9th Grade students AND these additional courses:</p> <ul style="list-style-type: none"> ● Spanish 2 ● Spanish 3 ● French 2 ● French 3 ● German 2 (may not be offered due to a state teacher shortage) ● German 3 (may not be offered due to a state teacher shortage) ● Latin 2 ● American Sign Language 2 	<p>All courses open to 9th and 10th Grade students AND these additional courses:</p> <ul style="list-style-type: none"> ● Spanish 3 ● Spanish 4 ● French 3 ● French 4 ● German 3 (may not be offered due to a state teacher shortage) ● German 4 (may not be offered due to a state teacher shortage) ● Latin 3 ● American Sign Language 3 	<p>All courses open to 9th-11th Grade students AND these additional courses:</p> <ul style="list-style-type: none"> ● Spanish 4 ● AP Spanish Language and Culture ● French 4 ● AP French Language and Culture ● German 4 (may not be offered due to a state teacher shortage) ● AP German Language and Culture (may not be offered due to a state teacher shortage) ● Latin 4

Speech and Debate Course Map

Courses Available for 9th Grade Students	Courses Available to 10th, 11th & 12th Grade Students
<ul style="list-style-type: none"> ● Debate 1 ● Introduction to Speech Communication ● Competative Speaking 1 	<p>All courses open to 9th Grade students AND these additional courses:</p> <ul style="list-style-type: none"> ● Public Speaking ● Debate 2 ● Oral Communications ● Competative Speaking 2 ● Radio Production (RSHS only)



View World Language course prerequisites and course descriptions on our website.



View Speech & Debate course prerequisites and course descriptions on our website.

Elective Course Maps–Career and Technical Education (CTE)--1 credit required for graduation

CTE Course Map– Computer Science	
9th Grade Course Options	10th, 11th and 12th Grade Course Options
<ul style="list-style-type: none"> ● Fundamentals of App and Game Development ● Introduction to Programming ● Exploring Computer Science 	<p style="text-align: center;">All courses open to 9th grade students AND these additional courses</p> <ul style="list-style-type: none"> ● AP Computer Science ● Computer Programming C++ ● Website Programming & Development ● Cybersecurity (Project Lead the Way)

CTE Course Maps–Fashion Design, Child Development and Air Force Jr. ROTC (MHS & LHS only)		
Fashion Design Courses Open to 9-12 Grade Students	Child Development Courses Open to 10th -12 Grade Students	Air Force Junior Reserve Officer Training (AFJROTC) Courses Open to 9th-12th Grade Students (only available at MHS & LHS)
<ul style="list-style-type: none"> ● Fashion Fundamentals 1 ● Fashion Fundamentals 2 	<ul style="list-style-type: none"> ● Child Development 1 ● Child Development 2 	<ul style="list-style-type: none"> ● Aerospace 1 ● Aerospace 2
Fashion Design Courses Open to 10-12 Grade Students	Additional FACS Electives for 10th-12th Grade Students	Air Force Junior Reserve Officer Training Corps (AFJROTC) Courses Open to 10th-12th Grade Students
<p>All courses open to 9th & 10th Grade students AND these additional courses:</p> <ul style="list-style-type: none"> ● Advanced Creative Fashion ● Fashion Design and Merchandising 	<ul style="list-style-type: none"> ● Personal Finance ● Housing and Interior Design ● Family Relations ● Life After High School 	<p>All courses open to 9th & 10th Grade students AND these additional courses:</p> <ul style="list-style-type: none"> ● Aerospace Science 3
		Air Force Junior Reserve Officer Training Corps (AFJROTC) Courses Open to 10th-12th Grade Students
		<p>All courses open to 9th -11th Grade students AND these additional courses:</p> <ul style="list-style-type: none"> ● Aerospace Science 4

CTE Course Maps–Journalism and Business

Journalism Courses Open to 9th-12th Grade Students	Business Courses Open to 9th Grade Students	Business Courses Open to 10th Grade Students	Business Courses Open to 11th Grade Students	Business Courses Open to 12th Grade Students
<ul style="list-style-type: none"> ● Introduction to Digital Media Production ● Digital Media Production ● Visual Journalism ● News Production ● Yearbook Production 	<ul style="list-style-type: none"> ● Business Essentials ● Computer Applications for Business ● Creating Career Success ● Multimedia Communications ● Graphic Media Communications ● Web Design & Communication ● Business Management Processes 	<p>All courses open to 9th grade students AND these additional courses:</p> <ul style="list-style-type: none"> ● Personal Finance & Business ● Sports & Entertainment Management 	<p>All courses open to 9th and 10th grade students AND these additional courses:</p> <ul style="list-style-type: none"> ● Accounting ● Business Management & Entrepreneurship ● Entrepreneur Accelerator 	<p>All courses open to 9th-11th grade students AND these additional courses:</p> <ul style="list-style-type: none"> ● Business Internship/Cooperative Career Education ● Partners in Education Internship Program

CTE Course Maps–Industrial & Engineering Technology

9th Grade Course Options	10th Grade Course Options	11th & 12th Grade Course Options
<ul style="list-style-type: none"> ● Metals Processes ● Woods Processes 1 ● Drafting 1 ● Drafting 2 ● Architectural Drafting 1 ● Construction (with Geometry in Construction) ● Introduction to Engineering Design (Project Lead the Way) 	<p>All courses open to 9th grade students and these additional courses:</p> <ul style="list-style-type: none"> ● Woods Processes 2 ● Principles of Engineering (Project Lead the Way) ● Digital Electronics (Project Lead the Way) ● Aerospace Engineering (Project Lead the Way) 	<p>All courses open to 9th and 10th grade students AND these additional courses:</p> <ul style="list-style-type: none"> ● Computer Integrated Manufacturing (Project Lead the Way) ● Civil Engineering & Architecture (Project Lead the Way) ● Engineering Design & Development (Project Lead the Way)



View CTE course Prerequisites and course descriptions on our website.

Elective Course Maps–Fine Arts--1 credit required for graduation

Music Course Maps			
Music Courses Open to 9th-12th Grade Students	Band Courses Open to Students Who Have Successfully Completed Band in Middle School	Orchestra Courses Open to Students Who Have Successfully Completed Orchestra in Middle School	Choir Courses--Directors will work with counselors to place students sections of each level of choir based on voicing.
<ul style="list-style-type: none"> ● Guitar 1 ● Guitar 2 ● Music Production 1 ● Music Production 2 ● Beginning Orchestra 	<ul style="list-style-type: none"> ● Concert Band 	<ul style="list-style-type: none"> ● Chamber Orchestra 	<ul style="list-style-type: none"> ● Choir ● Chorale ● Chamber Choir ● Show Choir
Music Courses Open to 10th-12th Grade Students	Band Courses Open by Audition or Director Approval	Orchestra Courses Open by Audition or Director Approval	
<ul style="list-style-type: none"> ● AP Music Theory ● Guitar Ensemble 	<ul style="list-style-type: none"> ● Symphonic Band ● Jazz Band (requires enrollment in an ensemble) 	<ul style="list-style-type: none"> ● Concert Orchestra ● Sinfonia Orchestra ● Symphonic Orchestra 	

Theatre Course Map	
Theatre Arts Electives Open to 9th Grade Students	Theatre Arts Electives Open to 10th-12th Grade Students
<ul style="list-style-type: none"> ● Acting 1 ● Acting 2 ● Tech Theatre 1 ● Tech Theatre 2 	<p style="text-align: center;">All courses open to 9th grade students AND these additional courses</p> <ul style="list-style-type: none"> ● Studio Directing ● Advanced Studio Theatre



View Fine Arts course Prerequisites and course descriptions on our website.

Visual Arts Course Map

Core Course Requirement for All Visual Arts Studio Courses

Art Fundamentals

Visual Arts Electives Open to 9th-12th Grade Students who have completed Art Fundamentals

- Fibers & Printmaking 1
- Drawing 1
- Painting 1
- 3-D Art 1
- Graphic Design 1
- Ceramics 1
- Photography 1

Visual Arts Electives Open to 9th-12th Grade Students who completed Level 1 of the corresponding studio class. Students may enroll in these courses more than once if they wish to specialize in a particular medium.

- Fibers & Printmaking Advanced
- Drawing Advanced
- Painting Advanced
- 3-D Art Advanced
- Graphic Design Advanced
- Ceramics Advanced
- Photography Advanced

Other Visual Arts Electives

- Art Design and Applications
- AP Art History
- AP Art & Design 1
- AP Art & Design 2

Elective Course Maps–Physical Education & Health--1 PE credit required and .5 Health credit required for graduation; Other Electives

Physical Education & Health Course map–1 credit of PE and .5 credit of Health required for graduation	
Physical Education Requirement for All Students	Health Requirement for All Students
Personal Fitness & Wellness	Health
Physical Education Electives to Fulfill PE Requirement	Other Physical Education Electives Open for Students in 10th-12th Grade
<ul style="list-style-type: none"> ● Sports & Fitness ● Total Body Wellness ● Beginning Strength Training ● Advanced Strength Training ● Basic Aquatics ● Advanced Aquatic Skills & Lifeguard Training 	<ul style="list-style-type: none"> ● Team Sports ● Lifetime Activities/Outdoor Adventures ● PE Mentors/Moving Together
Other Physical Education Electives Open to 9th Grade Students	
<ul style="list-style-type: none"> ● First Aid/Responding to Emergencies ● Drivers' Education 	

Other Electives		
Electives Open to 9th Grade Students	Electives Open to 11th & 12th Grade Students	Electives Open to 12th Grade Students
Freshman Seminar	Cadet Teaching	Community Service

View PE/Health course prerequisites and course descriptions on our website.



View Electives course prerequisites and course descriptions on our website.



9th Grade Electives At-A-Glance

(continued on the next page)

English Language Arts Electives	Social Studies Electives	Science Electives	Computer Science
<ul style="list-style-type: none"> ● Journalism Writing and Reporting 	<ul style="list-style-type: none"> ● Civil War and Reconstruction ● AP Human Geography 	<ul style="list-style-type: none"> ● Science Research 1 [AP Seminar] ● Principles of Biomedical Sciences (Project Lead the Way) 	<ul style="list-style-type: none"> ● Fundamentals of App and Game Development ● Introduction to Programming ● Exploring Computer Science

Speech & Debate Courses	Journalism	Fashion Design	Air Force Junior ROTC (LHS & MHS only)
<ul style="list-style-type: none"> ● Debate 1 ● Introduction to Speech Communication ● Competative Speaking 1 	<ul style="list-style-type: none"> ● Introduction to Digital Media Production ● Digital Media Production ● Visual Journalism ● News Production ● Yearbook Production 	<ul style="list-style-type: none"> ● Fashion Fundamentals 1 ● Fashion Fundamentals 2 	<ul style="list-style-type: none"> ● Aerospace 1 ● Aerospace 2

World Language	Business	Industrial Technology & Engineering	Music
<ul style="list-style-type: none"> ● Spanish 1 ● Spanish 2 ● French 1 ● French 2 ● German 1 (may not be offered due to a state teacher shortage) ● German 2 (may not be offered due to a state teacher shortage) ● Latin 1 ● American Sign Language 1 	<ul style="list-style-type: none"> ● Business Essentials ● Computer Applications for Business ● Creating Career Success ● Multimedia Communications ● Graphic Media Communications ● Web Design & Communication ● Business Management Processes 	<ul style="list-style-type: none"> ● Metals Processes ● Woods Processes 1 ● Drafting 1 ● Drafting 2 ● Architectural Drafting 1 ● Construction (with Geometry in Construction) ● Introduction to Engineering Design (Project Lead the Way) 	<ul style="list-style-type: none"> ● Guitar 1 ● Guitar 2 ● Music Production 1 ● Music Production 2 ● Beginning Orchestra ● Concert Band (if student took band in 8th grade) ● Chamber Orchestra (If student took orchestra in 8th grade) ● Choir

9th Grade Electives At-A-Glance

Theatre Arts	Art	Industrial Technology & Engineering	Music
<ul style="list-style-type: none"> ● Acting 1 ● Acting 2 ● Tech Theatre 1 ● Tech Theatre 2 	<ul style="list-style-type: none"> ● Art Fundamentals <p>Once Art Fundamentals is complete, Freshmen may enroll in these art classes:</p> <ul style="list-style-type: none"> ● Fibers & Printmaking 1 ● Drawing 1 ● Painting 1 ● 3-D Art 1 ● Graphic Design 1 ● Ceramics 1 ● Photography 1 	<ul style="list-style-type: none"> ● Metals Processes ● Woods Processes 1 ● Drafting 1 ● Drafting 2 ● Architectural Drafting 1 ● Construction (with Geometry in Construction) ● Introduction to Engineering Design (Project Lead the Way) 	<ul style="list-style-type: none"> ● Guitar 1 ● Guitar 2 ● Music Production 1 ● Music Production 2 ● Beginning Orchestra ● Concert Band (if student took band in 8th grade) ● Chamber Orchestra (If student took orchestra in 8th grade) ● Choir

Physical Education Electives to Fulfill PE Requirement	Other Freshmen Electives
<ul style="list-style-type: none"> ● Sports & Fitness ● Total Body Wellness ● Beginning Strength Training ● Advanced Strength Training ● Basic Aquatics ● Advanced Aquatic Skills & Lifeguard Training 	<p>Freshmen Seminar</p>
Other Physical Education Electives Open to 9th Grade Students	
<ul style="list-style-type: none"> ● First Aid/Responding to Emergencies ● Drivers' Education 	