

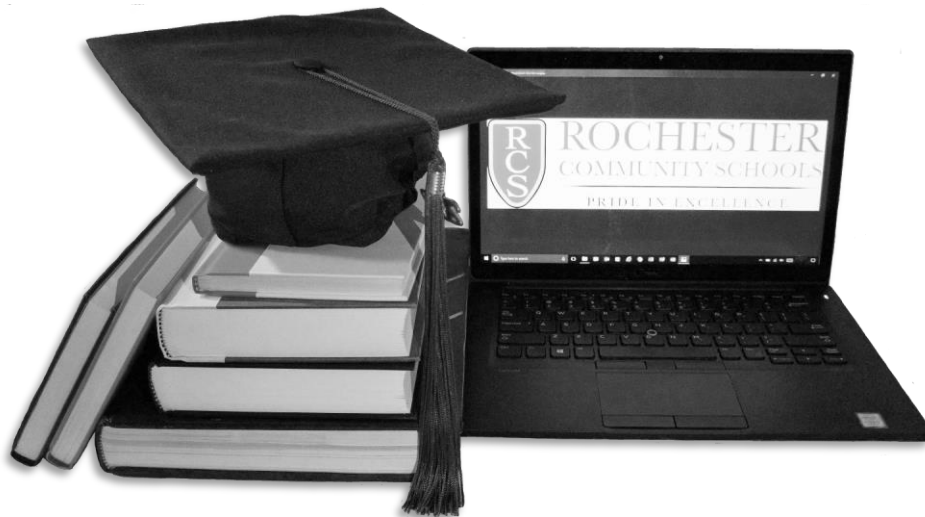


ROCHESTER  
COMMUNITY SCHOOLS

PRIDE IN EXCELLENCE

# Instructional Pathways

An overview of courses and programs  
as students progress through their  
K-12 education to graduation.





## Kindergarten through 12th grade Instructional Pathways

Rochester Community Schools embraces the District's mission to provide a quality education in a caring atmosphere for students to attain the necessary skills and knowledge to become lifelong learners and contribute to a diverse, interdependent, and changing world. By aligning our curriculum with the State of Michigan standards and college readiness skills, Rochester Community Schools is confident that our core curriculum and the vertical alignment between grades provides the foundation for success at each level. Furthermore, Rochester Community Schools recognizes that many students want to concentrate on advanced coursework in one or more disciplines, so the District strives to offer rigorous opportunities to do so at all grade levels.

Similarly, our standards based curriculum articulates the progressive development of skills and knowledge across grades and content areas necessary for all students to be college and career-ready readers, writers, and communicators. We provide a rigorous curriculum with engaging instruction, progress monitoring, and balanced assessments. Our curriculum encourages a deep knowledge of instructional content, which is needed for success beyond high school in today's world. All of our core classes are outlined in Atlas Rubicon, which provides pacing guides and topics. Community members can locate the information at: <https://rochesterk12-oakland-public.rubiconatlas.org>.

This instructional roadmap has been developed for parents and students to use in conjunction with appropriate grade-level resources, such as Curriculum Expectations and Course Description books. You will find an overview of elementary, middle, and high school pathways, as well as a chart designed to clearly delineate acceleration options beginning in middle school. Regardless of when students enter our schools, whether it is at the beginning of early childhood or near the culmination of adolescence, we hope that you will find this roadmap useful in partnering with us to ensure that their journey on the academic pathway is a successful one.

## Parent Connections

We invite you to visit your school, confer with teachers/administrators and engage in a dialogue about your child's learning. A closer working relationship between the home and the school helps each child have a meaningful and productive education experience. It is also a key component in making Rochester Community Schools an exceptional learning environment. We welcome your input! It is a goal that all of our families have great "Pride in Excellence!"

## Academic Recognition Criteria

### **Scholars of Highest Distinction**

- \*\*GPA 3.9 – 4.0 or higher
- AP: 4 or more courses
- \*ACT composite of 32 or higher OR
- \*SAT composite of 1430 or higher



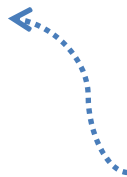
### **Scholars of Distinction**

- \*\*GPA 3.8 – 3.899 or higher
- AP: 3 or more courses
- \*ACT composite of 28 or higher OR
- \*SAT composite of 1310 or higher



### **Scholars of Achievement**

- \*\*GPA 3.5 – 3.799 or higher
- AP: 2 or more courses
- \*ACT composite of 26 or higher OR
- \*SAT composite of 1240 or higher



**SET GOALS**

**WORK**

**HARD AIM**

**HIGH**



### **RCS 2018-19 Commencement Dates Oakland University O'rena**

June 4 - Rochester High School

June 5 - Adams High School

June 6 - Stoney Creek High School

\*ACT/SAT composite scores must be submitted to registrar by the end of first semester of senior year.

\*\*GPA is calculated at the end of the first semester.

# Rochester Community Schools

## Overview – Elementary Student Pathway for Grades K through 5

Instructional Strategy & Resources	
<b>Language Arts</b>	<b>Balanced Literacy Program:</b> (based on national and state standards) Reading Workshop, Writing Workshop, Classroom libraries, Units of Study in Reading and Writing from Teachers College Reading and Writing Project, Word study/Phonics materials.
<b>Math</b>	<b>Investigative Integration of Concepts to Mastery:</b> (based on national and state standards) Everyday Math Edition 4, Manipulative materials
<b>Science</b>	<b>Inquiry Based Units:</b> (based on national and state standards) Instructional materials from Cereal City Science Center
<b>Social Studies</b>	<b>Inquiry Based Units:</b> (based on national and state standards) Instructional materials from Macmillan, Michigan Citizenship Collaborative Curriculum (MC3) and McGraw Hill
<b>Health</b>	Health units based on the Michigan Model for Health in the following areas: Social and Emotional Health; Nutrition and Physical Activity; Safety, Alcohol, Tobacco, and Other Drugs; and Personal Health and Wellness.
<b>Art, Music, PE, and Media</b>	Art, Music, Physical Education, and Media (information literacy) are based on state and national standards/benchmarks.
<b>Language and Culture</b>	Chinese Language and Culture Exposure, Grades 1-5 (30-60 minutes weekly)
<b>Assessments K-5</b>	<ul style="list-style-type: none"> <li>Ongoing Common Assessments in Language Arts, Math, Science and Social Studies.</li> <li>i-Ready Computer Based Diagnostic</li> </ul>
<b>Additional 3-5 grade Assessment</b>	<ul style="list-style-type: none"> <li>MSTEP</li> </ul>
<b>Acceleration</b>	<ul style="list-style-type: none"> <li>Language Arts and Math: Differentiation is based on ongoing assessments delivered by the classroom teacher. See publication "Differentiation in Rochester Community Schools".</li> <li>Science &amp; Social Studies: Open-ended unit activities facilitate differentiation. Depth of instruction to extend the curriculum at the current grade level.</li> <li>Grade level math acceleration based on criteria and screening for students with exceptional ability (Grade 3-5).</li> </ul>
<b>Interventions</b>	Multi-tiered System of Support (MTSS) which may involve a range of interventions implemented at the classroom level or via targeted support. Individual Reading Intervention Plans for students qualifying under Third Grade Reading Law (PA306).
<b>Key Parent Communications K-5</b>	<ul style="list-style-type: none"> <li>Curriculum Nights</li> <li>Parent Teacher Conferences</li> <li>Teacher Newsletters</li> <li>Report Cards</li> </ul>
<b>Additional Key Parent Communication For 5<sup>th</sup> grade</b>	<ul style="list-style-type: none"> <li>Parent meeting for Middle School Transition</li> <li>Fifth Grade students visit middle schools</li> </ul>
<b>Reference Materials</b>	"Curriculum Expectations" "Differentiation in Rochester Community Schools"
<b>Parental Tools for Success</b>	Help your child with homework (provide a space and time), review test taking strategies, reinforce the importance of reading (read to your child, have him or her read to you), stay connected with the school and become familiar with your child's academic program and his or her progress.

### Fifth Grade to Sixth Grade Accelerated and Advanced Transition Considerations:

- Middle school math acceleration and advanced ELA test is administrated to all fifth graders in the Spring

# Rochester Community Schools

## Overview – Middle School Student Pathway for Grades 6 through 8

Courses/Resources	Sixth	Seventh	Eighth
<b>English Language Arts (ELA)</b>	ELA 6 <i>Holt Textbook</i> Novels	ELA 7 <i>Holt Textbook</i> Novels	ELA 8 <i>Holt Textbook</i> Novels
<b>*Advanced Language Arts (ELA)</b>	Advanced ELA 6 <i>Holt Textbook</i> Novels	Advanced ELA 7 <i>Holt Textbook</i> Novels	Advanced ELA 8 <i>Holt Textbook</i> Novels
<b>Math</b>	Math 6 <i>Cengage Big Ideas Bridge to Success Textbook</i>	Math 7 <i>Cengage Big Ideas Bridge to Success Textbook</i>	Pre-Algebra <i>Cengage Big Ideas Bridge to Success Textbook</i>
<b>*Accelerated Math</b>	Compacting Math 6 & Math 7	Compacting Math 7 & Pre-Algebra	Algebra 1
<b>Science</b>	Life & Physical Science <i>Holt/McDougal Textbook</i>	Life & Physical Science <i>Holt/McDougal Textbook</i>	Earth Science <i>Holt/McDougal Textbook</i>
<b>Social Studies</b>	World Studies <i>Prentice Hall Textbook</i>	World Geography: Ancient Civilizations <i>Houghton-Mifflin-Harcourt</i>	U.S History <i>Prentice Hall Textbook</i>
<b>Required Non-Core Subjects</b>	Instrumental (Band or Orchestra) or Vocal Music	Health Physical Education	None
<b>Electives</b>	Art, Global Digital Literacy, STEM, PE, Intro to World Language	Art, Band, Creative Communications, Design & Technology, Life Skills, Multi-Media, Vocal Music	Art, Band, Creative Communications, Design & Technology, Drama, Foods & Nutrition, Multi-Media, Physical Education, Vocal Music
		*Acceleration: World Language – Level 1	*Acceleration: World Language – Level 1
<b>Assessments</b>	<ul style="list-style-type: none"> <li>Common Assessments</li> <li>State of MI Assessment, M-Step</li> </ul>	<ul style="list-style-type: none"> <li>Common Assessments</li> <li>State of MI Assessment, M-Step</li> </ul>	<ul style="list-style-type: none"> <li>Common Assessments</li> <li>State of MI Assessment, PSAT 8/9</li> </ul>
<b>Interventions</b>	Multi-tiered System of Support (MTSS) which may involve a range of interventions implemented at the classroom level or via targeted support. Reading, Math Labs, Accelerated courses in Math and ELA.		
<b>Key Parent Communications</b>	<ul style="list-style-type: none"> <li>Curriculum Nights</li> <li>Parent Teacher Conferences</li> <li>Newsletters</li> <li>myRCS</li> </ul>	<ul style="list-style-type: none"> <li>Curriculum Nights</li> <li>Parent Teacher Conferences</li> <li>Newsletters</li> <li>myRCS</li> </ul>	<ul style="list-style-type: none"> <li>Curriculum Nights</li> <li>Parent Teacher Conferences</li> <li>Newsletters</li> <li>myRCS</li> <li>Parent and student meetings for High School Transition</li> </ul>
<b>Reference Materials</b>	Course Description Book, Atlas Rubicon		
<b>Parental Tools for Success</b>	Check myRCS regularly, visit district website for SAT/College Readiness information, Teacher websites		

### 7<sup>th</sup> and 8<sup>th</sup> Grade Considerations:

- Students who plan to take an Advanced Placement World Language must successfully complete World Language Level 1 in 8th Grade. Beginning in 2018-19, 7<sup>th</sup> Graders may choose to enroll in World Language Level 1.
- Students who plan to take Advanced Placement Calculus in 12th Grade must successfully complete Algebra 1 in 8th Grade.
- Students have the opportunity to test for acceleration for math and ELA during the Spring every year.
- Physical Education 8 is an elective option. It will not fulfill the high school PE requirement.

# Rochester Community Schools

## Overview - High School Student Pathways for Grades 9 through 12

Courses/Resources	Ninth	Tenth	Eleventh	Twelfth
<b>Mathematics*</b> 4 Credits	Algebra 1 <i>Cengage Big Ideas Bridge to Success Textbook</i>	Geometry <i>Cengage Big Ideas Bridge to Success Textbook</i>	Algebra 2 <i>Cengage Big Ideas Bridge to Success Textbook</i>	Pre-Calculus <i>Cengage Textbook</i> AP Statistics <i>BFW Textbook</i> Intro to College Math <i>Multiple Texts</i> Or Math related
<b>Science*</b> 3 Credits	Physical Science <i>Hewitt Textbook</i>	Biology <i>Glencoe Textbook</i>	Chemistry or Physics or Astronomy and Geology (or Fundamentals of Chem. or Physics) <i>Prentice Hall and Glencoe Textbook</i> <i>*See Personal Curriculum forms for other options</i>	
<b>English Language Arts*</b> 4 Credits	ELA 9 <i>Houghton-Mifflin-Harcourt Collections Textbook and Novels</i>	ELA 10 <i>Houghton-Mifflin-Harcourt Collections Textbook and Novels</i>	Applications of Comp and Literature course or Elements of Comp <i>Holt/McDougal Textbook and Novels</i>	Comp and Literature 12 or Comp and Language 12 <i>Bedford/St. Martin Textbook and Novels</i>
<b>Social Studies*</b> 3 Credits	World History or Big History <i>Prentice Hall Textbook or on-line materials</i>	U.S. History from Reconstruction to the Present <i>Holt/McDougal Textbook</i>	Government and Economics <i>Prentice Hall Textbook</i>	
<b>Physical Ed./Health</b> 1 Credit in HS	1. Wellness I and Wellness II (Gr. 9-12) <b>OR</b> 2. Physical Education: activity and Health (Gr. 9-12) <b>OR</b> 3. PE Waiver (2 seasons of sport or Marching Band) and Health			
<b>Visual and Performing Applied Arts*</b> 1 Credit in HS	Refer to list of courses in registration packet	Refer to list of courses in registration packet	Refer to list of courses in registration packet	Refer to list of courses in registration packet
<b>Language other than English*</b> 2 Credits in the same language	Refer to Course Description Book for options	Refer to Course Description Book for options	Refer to Course Description Book for options	Refer to Course Description Book for options
<b>Assessments</b>	<ul style="list-style-type: none"> <li>Unit and/or Semester Common Assessments</li> <li>PSAT 8/9</li> </ul>	<ul style="list-style-type: none"> <li>Unit and/or Semester Common Assessments</li> <li>PSAT 10</li> </ul>	<ul style="list-style-type: none"> <li>Unit and/or Semester Common Assessments</li> <li>PSAT</li> <li>SAT</li> <li>M-Step</li> </ul>	<ul style="list-style-type: none"> <li>Unit and/or Semester Common Assessments</li> </ul>
<b>Interventions</b>	Multi-tiered System of Support (MTSS) which may involve a range of interventions implemented at the classroom level, or via targeted support, or via placement at Alternative Center for Education (ACE) High School.			
<b>Reference Materials</b>	Course Description Book			
<b>Parental Tools for Success</b>	Knowledge of College Readiness Benchmark Scores, Check myRCS regularly, visit district website for SAT and ACT/College Readiness information			

\*Opportunities for Honors and Advanced Placement Courses in these disciplines. Students may have the opportunity to earn college credit for Advanced Placement Courses.

### Graduation Requirements

18 Credits Required  
4 Credits (minimum) Electives  
 22 Credits Required for Graduation out of a possible 24 credits

# Rochester Community Schools

## Middle School and High School Seven Year Plan Advanced Concentration Pathways by Discipline

Courses/ Grade	Sixth	Seventh	Eighth	Ninth	Tenth	Eleventh	Twelfth
<b>Mathematics</b>	Accelerated Math 6 (Math 6 & 7)	Accelerated Math 7 (Math 7 & Pre-Algebra)	Algebra 1 (1 High School Credit)	Geometry	Algebra 2	Pre-Calculus	AP Calculus and/or AP Statistics
<b>Science</b>	Science 6	Science 7	Earth Science 8	Block Science (Biology & Physical Science) or concurrent Biology & Physical Science	Chemistry or Physics	AP Chemistry or AP Physics, AP Biology	AP Biology, AP Env. Sci.  Electives: Micro/ Genetics, Anat / Physiology, Pathology
<b>English Language Arts</b>	Advanced ELA 6	Advanced ELA 7	Advanced ELA 8	Honors ELA 9	Honors ELA 10	AP Comp and Language	AP Comp and Literature
<b>Social Studies</b>	World Studies	World Geography: Ancient Civilization	U. S. History	World History or Big History	AP U.S. History	AP Gov't, AP Micro/Macro Economics	AP World History, AP Psychology
<b>World Language</b>		Level 1 (1 High School Credit)	Level 1 (1 High School Credit)	Level 2	Level 3	Level 4	AP French or German or Spanish

### Considerations for the Advanced Concentration Pathways:

- High aptitude in a particular discipline
- AP Courses may translate into college credit if the AP exam is taken and passed
- Potential for receiving high school credit in middle school
- Potential for receiving college credit in high school
- Opportunity to attend International Baccalaureate (International Academy) Oakland County Consortium, located in Bloomfield Hills, beginning in 9<sup>th</sup> grade (selection by lottery and entrance exam)
- Opportunity for Credit by Exam

# Rochester Community Schools

## Overview - High School Student Pathways for Grades 9 through 12 Career and Technical Education (CTE \*\*)

### Emphasis for College & Career Readiness

Courses/Resources	Ninth	Tenth	Eleventh	Twelfth
<b>Mathematics*</b> 4 Credits	Algebra 1 <i>Cengage Big Ideas Bridge to Success Textbook</i>	Geometry <i>Cengage Big Ideas Bridge to Success Textbook</i>	Algebra 2 <i>Cengage Big Ideas Bridge to Success Textbook</i>	Pre-Calculus <i>Cengage Textbook Or Math related CTE classes (Acct. 1-4, Personal Finance, or any Engineering Design class)</i>
<b>Science*</b> 3 Credits	Physical Science <i>Hewitt Textbook</i>	Biology <i>Glencoe Textbook</i>	Chemistry or Physics or Astronomy and Geology (or Fundamentals of Chem. or Physics) <i>Prentice Hall and Glencoe Textbook</i>	
<b>English Language Arts*</b> 4 Credits	ELA 9 <i>Houghton-Mifflin-Harcourt Textbook and Novels</i>	ELA 10 <i>Houghton-Mifflin-Harcourt Textbook and Novels</i>	Applications of Comp and Literature course or Elements of Comp <i>Holt/McDougal Textbook and Novels</i>	Comp and Literature 12 or Comp and Language 12 <i>Bedford/St. Martin Textbook and Novels</i>
<b>Social Studies*</b> 3 Credits	World History or Big History <i>Prentice Hall Textbook</i>	U.S. History from Reconstruction to the Present <i>Holt/McDougal Textbook</i>	Government and Economics <i>Prentice Hall Textbook</i>	
<b>Physical Ed.</b> 1 Credit in HS	1. Wellness I and Wellness II (Gr. 9-12) <b>OR</b> 2. Physical Education: activity and Health (Gr. 9-12) <b>OR</b> 3. PE Waiver (2 seasons of sport or Marching Band) and Health			
<b>Visual and Performing Applied Arts*</b> 1 Credit in HS	Art, Bus. Mgt. Technology, Digital & Graphic Media, Cuisines of the World, Fit for Life, Foods & Nutrition, Independent Living, Fashion Design, Music, Engineering Design 1 & 2, 3D Animation	Interior Design, Engineering Design 1, 2, 3, 4 plus all classes listed under Ninth Grade	Art, Child Development, Marketing & Advertising; Music, School Store; Small Bus. & Entrepreneurship, Engineering Design 1, 2, 3, 4, 5, 6 and all classes listed under Ninth Grade, except Independent Living	All classes listed in 9-11 <sup>th</sup> grade, except Independent Living
<b>Language other than English*</b> 2 Credits in same language	Refer to Course Description Book for options	Refer to Course Description Book for options	Refer to Course Description Book for options	Refer to Course Description Book for options
<b>Assessments</b>	<ul style="list-style-type: none"> <li>Unit and/or Semester Common Assessments</li> <li>PSAT 8/9</li> </ul>	<ul style="list-style-type: none"> <li>Unit and/or Semester Common Assessments</li> <li>PSAT 10</li> </ul>	<ul style="list-style-type: none"> <li>Unit and/or Semester Common Assessments</li> <li>PSAT, SAT, M-Step</li> <li>Business students - NOCTI, -Microsoft Office Specialist Certification (optional).</li> <li>Accounting students – NOCTI, CLEP (optional).</li> </ul>	<ul style="list-style-type: none"> <li>Unit and/or Semester Common Assessments</li> <li>Business students take NOCTI, -Microsoft Office Specialist Certification (optional).</li> <li>Accounting students – NOCTI, CLEP (optional).</li> </ul>
<b>Interventions</b>	Multi-tiered System of Support (MTSS) which may involve a range of interventions implemented at the classroom level, or via targeted support, or placement at Alternative Center for Education (ACE) High School.			
<b>Reference Materials</b>	Course Description Book			
<b>Parental Tools for Success</b>	Knowledge of College Readiness Benchmark Scores, Check myRCS regularly, visit district website for SAT and ACT/College Readiness information			

\* Opportunities for Honors and Advanced Placement Courses in these disciplines. Students may have the opportunity to earn college credit for AP Courses if AP exam is taken and passed.

\*\* College articulated credit available for CTE courses completed with a B or better grade (see counselor for details).