

**RED WING HIGH SCHOOL**  
**7-8 COURSE CATALOG**  
**2021 - 2022**



# Red Wing Public Schools

## ADMINISTRATION

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## **To Our Students and Parents**

**The Course Catalog contained in this book includes course descriptions for each of the possible offerings throughout the school year. Some courses may be withdrawn due to insufficient enrollment or the lack of sufficient staff to adequately teach the course.**

An electronic format of this document is available at  
<http://www.rwps.org>  
or call 651-385-4600

### **HOW TO USE THE PROGRAM OF STUDIES HANDBOOK**

#### **SPECIAL MESSAGE TO STUDENTS AND THEIR PARENTS/GUARDIANS**

You will be making important decisions as you register, so please be sure to consider your interests, strengths and goals. If you would like assistance with course planning, please make an appointment with our 7th and 8th grade counselor, Ms. Pagel.

**NOTE:** Students are required to be enrolled in a minimum of seven courses for credit each semester.

#### **HOW TO USE THE COURSE CATALOG**

1. Most of this guide consists of course descriptions. The courses are organized by departments.
2. Each course has its own number. These courses are 9 to 18 weeks in length and do not earn credit toward graduation, unless otherwise stated. Some courses in 8th grade are prerequisites for others in the future.
3. Be sure to read the course descriptions, grade level, and any prerequisites before selecting the class. Register by both course title and course number.

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## Co-Curricular Activities

Red Wing offers many co-curricular opportunities for its student body. These activities provide at least three educational benefits for students:

1. They allow students to pursue an interest and develop skills.
2. They are well-guided activities that utilize student time in a worthwhile manner.
3. They provide opportunities for students to develop new friendships.

The school would like all students to participate in at least one activity during the year. Following is the list of activities and clubs offered at Red Wing High School (subject to change):

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>● Aerie</li> <li>● Anime Club</li> <li>● Chess club</li> <li>● Dramatics</li> <li>● Circle of Friends</li> <li>● Environmental Advocacy Club</li> <li>● Fall/Spring Play</li> <li>● Future Farmers of America (FFA)</li> <li>● Gender Sexuality Alliance (GSA)</li> <li>● Health Occupations Students of America (HOSA)</li> <li>● Interact</li> <li>● International Club</li> <li>● Key Club</li> <li>● Knowledge Bowl</li> </ul> | <ul style="list-style-type: none"> <li>● Math League</li> <li>● Musical Organizations: Ovation, Jazz Band, Musical</li> <li>● Native American Student Association (NASA)</li> <li>● National Honor Society (NHS)</li> <li>● Performing Arts Club</li> <li>● Robotics</li> <li>● Science Olympiad</li> <li>● Skills USA</li> <li>● Speech Competition</li> <li>● Student Council</li> <li>● STP</li> <li>● Sieve and Sand Literary Magazine</li> </ul> |
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High School activities administered by Community Education and Recreation:

- Nordic Skiing
- Ultimate Frisbee
- Trap Team

## Athletic Activities

Red Wing is a member of the Big Nine and Region IAA. Various athletic activities are available on the interscholastic level. Students who have an interest in participating should check with the coach who is assigned to direct the activity. Following is a list of athletic activities offered at Red Wing High School.

FALL	WINTER	SPRING
Cheerleading	Basketball – Boys	Baseball –
Cross Country - Boys	Basketball – Girls	Boys
Cross Country - Girls	Cheerleading	Golf – Boys
Football	Gymnastics – Girls	Golf – Girls
Soccer - Boys	Hockey – Boys	Softball – Girls
Soccer - Girls	Hockey – Girls	Tennis – Boys
Swimming/Diving –	Swimming/Diving –	Track – Boys
Girls	Boys	Track – Girls
Tennis – Girls		
Volleyball		

## RWHS 7<sup>th</sup> and 8<sup>th</sup> Grade Course Requirements

Credit Requirements: Students must take a full year of language arts, science, social studies and math in 8<sup>th</sup> grade along with a semester of physical education and Introduction to Flight Paths/Perspectives Class.

Students may elect to take band and/or choir, Spanish I or German I. After required and elective courses have been selected, a student's schedule will be filled with academy courses.

Subject Area/Department	7th Grade Required Classes
Language Arts 7	Full Year
US History 7	Full Year
Mathematics 7	Full Year
Life Science 7	Full Year
Physical Education	One Semester
Electives	Quarters
PLTW	One Quarter
Health	One Quarter

Subject Area/Department	8th Grade Required Classes
Language Arts 8	Full Year
Global Studies 8	Full Year
Mathematics 8	Full Year
Earth Science 8	Full Year
Physical Education	One Semester
Intro to FP / Perspectives	One Semester
Electives/Academies	Full Year or Semester

### 7th Grade Electives

Band  
 Choir  
 World Language  
 Computers and Google Prep  
 Art  
 Life Skills  
 Animal Science

### 8th Grade Electives

2D Art  
 3D Art  
 Business  
 Metals  
 Woodworking  
 Plant Science  
 Animal Science  
 Computers  
 Gateway to Technology  
 Culinary Arts  
 Band  
 Choir  
 Spanish 1  
 German 1

## **7th and 8th Grade ACADEMIC DEPARTMENT COURSE OFFERINGS**

### **Department and Course by Number and Title Page**

#### **Electives**

7034	Project Lead the Way (PLTW) 7
7026	Computers and Google Prep 7
7033	Art 7
0182	Perspectives
0225	Grade 8 2D Art
0256	Grade 8/Business
0230	Grade 8 3D Art
0247	Grade 8 Metals
0246	Grade 8 WoodWorking
0265	Grade 8 Agriculture
0235	Grade 8 Culinary Art/
0245	Grade 8 Computers
0270	Grade 8 Life Skills
0575	Gateway to Technology (Project Lead the Way)

#### **Career Readiness**

0295 Intro to Flight Paths

#### **Language Arts**

7000/7200	Language Arts 7
1610/2610	Language Arts 8
1618/2618	Honors Language Arts 8

#### **Mathematics**

7003/7203	Math 7
1740/2740	Linear Algebra
1706/2706	Honors Algebra I

#### **Music**

1201/2201	Band 8
1207/2207	Choir 8
1209/2209	Band/Choir 8

#### **Physical Education**

7024	Health 7
7020	Physical Education 7
0200	Physical Education 8

#### **Science**

7001/7201	Life Science 7
1803/2803	Earth Science

#### **Social Sciences**

7002/7202	US History 7
1902/2902	Global Studies

#### **World Languages**

7040	World Language 7
1640/2640	German I
1650/2650	Spanish I

#### **English Learners**

1124/2124	E.L. Grades 7 and 8
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## ELECTIVES

	<b>PROJECT LEAD THE WAY (PLTW) 7</b>	<b>Quarter</b>	<b>Grade 7</b>
	Project Lead the Way (PLTW) prepares students for their academic/working future by being able to work with other peers, being able to think independently, and being able to solve real world problems. PLTW involves Science, Technology, Engineering, and Math curriculum to incorporate project based learning opportunities for seventh grade students.		
	<b>COMPUTERS AND GOOGLE PREP 7</b>	<b>Quarter</b>	<b>Grade 7</b>
	Computer 7 (7th Grade Computer Technology) will focus on improving your keyboarding and general computing skills by splitting our time between keyboarding and computer activities and projects so you have the skills needed to use computers effectively for your other classes. There is no textbook and very few tests. Most of the work is projects and skill-work.		
	<b>ART 7</b>	<b>Quarter</b>	<b>Grade 7</b>
	In this exploratory course, students will learn about the Elements and Principles of art and be exposed to many mediums of art. Projects including, but not limited to, drawing, painting, sculpture and media/digital art will be completed during the course.		
	<b>PERSPECTIVES</b>	<b>Quarter</b>	<b>Grade 7</b>
	As students come into the high school social emotional skills and learning how to interact with one another is very important. These skills will benefit students not only throughout their high school career but into adulthood. We will also explore where all students come from and how that builds how they see the world. This course will include community volunteers, outside resources, and curriculum that asks every student to discover their town, their world, and themselves in different ways.		
225	<b>2D ART 8</b>	<b>Quarter</b>	<b>Grade 8</b>
	In 2D Art, students will be introduced to two dimensional art including but not limited to drawing and painting		
	<b>BUSINESS 8</b>	<b>Quarter</b>	<b>Grade 8</b>
	Students will be introduced to the foundations of Business through accounting, sales, and personal finances.		
230	<b>3D ART 8</b>	<b>Quarter</b>	<b>Grade 8</b>
	In 3D Art, students will be introduced to three dimensional art including but not limited to ceramics and sculpture		
	<b>METALS 8</b>	<b>Quarter</b>	<b>Grade 8</b>
	In Metals, students will begin working with metal including safety, metal technology and hot metals.		
250	<b>WOODWORKING 8</b>	<b>Quarter</b>	<b>Grade 8</b>
	In Woodworking, students will be introduced to working with wood including safety, creative woodworking, and machine woodworking		
265	<b>AGRICULTURE (PLANT SCIENCE) 8</b>	<b>Quarter</b>	<b>Grade 8</b>
	In Agriculture, students will be introduced to plants and their influence in agriculture and the economy.		
260	<b>COMPUTERS 8</b>	<b>Quarter</b>	<b>Grade 8</b>
	In Computers students will be introduced to the world of computers, the options are endless.		
	<b>CULINARY ART 8</b>	<b>Quarter</b>	<b>Grade 8</b>
	In Culinary Art students will explore nutrition, food preparation and the food service industry.		
270	<b>ANIMAL SCIENCE 8</b>	<b>Quarter</b>	<b>Grade 8</b>
	In Animal Science students will be introduced to animals and their influence in agriculture and our lives.		
	<b>LIFE SKILLS 8</b>	<b>Quarter</b>	<b>Grade 8</b>
	Life Skills will offer students an introduction to family living, child development, home maintenance and more.		



<b>575</b>	<b>GATEWAY TO TECHNOLOGY 8</b>	<b>Semester</b>	<b>Grade 8</b>
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Gateway to Technology focuses on showing – not telling - students how engineers use technology to solve everyday problems. The program comprises courses that are taught in conjunction with rigorous academic core courses. Gateway’s primary focus is on developing stronger math, science, and technology inquiry skills. The course taught in 8<sup>th</sup> grade will be: Automation and Robotics – Students work with gears, joints, and automated design concepts to learn the basics of mechanics and machinery; and Aerospace Engineering – Students explore the technology of aeronautics, propulsion, and rocketry through hands on projects involving math and science.

## FLIGHT PATHS

<b>295</b>	<b>INTRODUCTION TO FLIGHT PATHS</b>	<b>Semester</b>	<b>Grade 8</b>
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This required course for 8th grade students is an introduction to the 16 different career fields. Students will learn the skills related to writing a resume, an application, and conducting an interview in addition to other skills such as Child Labor Laws and essential professional skills.

## LANGUAGE ARTS

<b>7000</b>	<b>LANGUAGE ARTS 7</b>	<b>Full Year</b>	<b>Grade 7</b>
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**7200** This course focuses on the core areas of listening, speaking, reading and writing. Students will do short stories, non-fiction, and novels that include material that is both newer texts and traditional texts in English courses and are expanding on diverse backgrounds and pursuing stories that are culturally authentic. Students will write a variety of creative and research based pieces.

<b>610</b>	<b>LANGUAGE ARTS 8</b>	<b>Full Year</b>	<b>Grade 8</b>
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Language Arts 8 explores our world in the areas of listening, speaking, reading, writing and the use of media. Literature units may include poetry, short stories, non-fiction, and articles from the 8<sup>th</sup> Grade *Prentice Hall Literature Anthology*, *The Outsiders*, *Walk Two Moons*, *Romeo and Juliet*, and *The Adventures of Tom Sawyer*. Writing mechanics and procedures are taught with the *Prentice Hall Writing and Grammar Handbook* along with supplemental materials. Major writing assignments include narration, compare/contrast essay, research essay, and persuasive essay.

<b>618</b>	<b>HONORS LANGUAGE ARTS 8</b>	<b>Full Year</b>	<b>Grade 8</b>
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*Prerequisite: Instructor Approval. B- or higher in Lang Arts 7 and grade level reading as measured by standardized test scores. A writing sample may be required.*

Students are introduced to the skills, strategies, and assessments to prepare students for the AP English experience at the high school. Students will write more fluently and with more complexity, read longer and more complicated texts, use and detect in texts more sophisticated grammatical structures, and analyze a text for multiple literary elements. Students are challenged to practice higher-level thinking skills individually, in small group settings, and whole class participation. This course is reading and writing intensive.

## MATHEMATICS

<b>MATH 7</b>	<b>Full Year</b>	<b>Grade 7</b>
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This course is designed to help 7th grade math students reach proficiency on the MN 7th grade math standards. Extra emphasis will be placed on the Number/Operations and Algebra strands, as these are critical learning standards to help ensure success for students in both 8th course options (Linear Algebra and Honors Algebra I).

<b>ENRICHED MATH 7 (Pre-Algebra)</b>	<b>Full Year</b>	<b>Grade 7</b>
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*Prerequisite: Instructor approval and grade level skills as measured by standardized test scores and screeners.*

This course is designed for 7th grade students who have already reached proficiency in the 7th grade math standards. This course focuses on the 8th Grade MN State Standards in Mathematics including analyzing linear functions and interpreting equations tables and graphs.

<b>740</b>	<b>LINEAR ALGEBRA</b>	<b>Full Year</b>	<b>Grade 8</b>
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This course is designed to follow the 8<sup>th</sup> grade MN Math Standards. Students will learn to read, write, compare, classify and represent real numbers, and use them to solve various problems. Students will then learn the concept of functions and distinguish between linear and nonlinear functions. A geometry and data analysis component is introduced including the Pythagorean Theorem, perpendicular and parallel lines and scatter plots.

**706 HONORS ALGEBRA I Full Year Grade 8**  
Prerequisite: *Instructor Approval and grade level skills as measured by standardized test scores and screeners.*  
This course is designed to develop the MN State Standards in mathematics for 8<sup>th</sup> grade math and the 9<sup>th</sup> grade algebra strand. Properties and concepts of number systems, such as natural, whole, integer, rational, and real; Solving linear equations and inequalities; Working with polynomials; Concepts of relation and function; Graphing equations in two variables, solving systems of equations in two variables; General methods of solving quadratic equations.

## MUSIC

**NOTE:** Music is a performing art. There is very little value in learning how to play or sing if one does not experience opportunities to use playing and singing skills in performance. Thus, the value the individual student gains from these courses is in a large degree directly related to the successful performance of the total group. To successfully plan meaningful performances, the instructors must be able to count on student attendance at concerts that may fall outside of the school day. These performance dates will be announced at the beginning of the school year. In the rare instance when attendance is impossible, an alternative activity must be pre-arranged to achieve full credit. Students must stay in Band or Choir for the full year.

### MUSIC 7

General Music is an elective class that meets every other day for the entire year. This class is for the student who wishes to learn more about music in a classroom setting rather than or in a performance group. Students are involved in listening, analyzing, composing and improvising music, as well as playing instruments and singing. A letter grade is earned through this exploratory hands-on approach to learning about music.

**201 BAND 8 Full Year Grade 8**  
Prerequisite: Successful completion of 7th Grade Band or Permission of Instructor  
This class provides opportunities for students to broaden and deepen their skills, appreciation, and understanding of music through practical application. The band rehearses every other day and participates in three required concerts each year. Students will have a regularly scheduled lesson, which will focus on individual needs and characteristics of their specific instruments. This course alternates with choir enabling a student to participate in both programs if they wish. A jazz band and other small ensembles are often formed with students from this class.

**207 CHORUS 8 Full Year Grade 8**

This class involves an exploration of many musical styles. Students work for well-developed tone production while expanding ranges through challenging music and individual lessons. Strong rehearsal involvement is expected; resulting in a solid, professional concert performance. Two required concerts are performed each year. Eighth grade students wishing to sing in a choir that are not also in band should register for this course.

**209 BAND/CHOIR 8 Full Year Grade 8**  
Prerequisite: Successful completion of 7th Grade Band or Permission of Instructor and preferably 7<sup>th</sup> Grade choir  
*This number is to be used for 8<sup>th</sup> graders who are in both band and choir.*

## PHYSICAL EDUCATION

It is the philosophy of the Health and Physical Education Department, Red Wing elementary and secondary schools, to set up learning experiences and situations that will enable the student to develop a student's whole being to the maximum of their ability. Through these learning experiences and situations, the students will develop skills, learn to solve problems, use their imaginations, be creative, analyze, interpret and react in an intellectually and socially satisfying way.

### HEALTH 7

Quarter

Grade 7

Health 7 is an introductory course that addresses several aspects of an adolescent's physical, mental/emotional, and social health. Our units follow the National Health Standards with many of our topics focusing on skilled based health education. By focusing on actual health related skills, this course enables students to implement and be aware of positive health behavior changes in their life.

### PHYSICAL EDUCATION 7

Semester

Grade 7

The primary objective of the physical education component of Grade 7 P.E. is to encourage and develop physical, emotional, and social skills necessary for the participation in sports and life-long activities.

### 200 PHYSICAL EDUCATION 8

Semester

Grade 8

Physical Education 8 is a semester course allowing for more seasonal activities. This is where most of the individual activities will be emphasized. Students are introduced to and allowed to play some golf. Their tennis skills will be more finely polished. Students will play some field games such as speedball, field hockey and Ultimate Frisbee.

## SCIENCE

### LIFE SCIENCE

Full Year

Grade 7

Grade 7 Life Science is a broad overview of basic themes ranging from the basic study of cells and genetics to plants and ecology. Students also study classification, characteristics of life, the human body, microscopy, and the positive and negative impact of humans on our planet.

### EARTH SCIENCE

Full Year

Grade 8

Earth Science is a terminal course for studying the nonliving portions of our environment. The topics discussed are rocks and minerals, earth's history, the changing crust, weather and the atmosphere, fresh water, and the solar system. We believe students learn by doing, so we will include as many laboratory exercises and activities as possible.

## SOCIAL SCIENCE

### US HISTORY 7

Full Year

Grade 7

Students will study the time period from the creation of the constitution through reconstruction. This leads students through the formation of the country through how issues such as slavery continue to impact us today. It shows students where we came from and how we can continue to move forward positively as a society. The class focuses on understanding primary sources to engage students of the voices of the past and analyze the original language, its intent, and the context in which it was written.

### 902 GLOBAL STUDIES

Full Year

Grade 8

Students in this course will learn about how people live, work, and play in other nations around the world. Students will be exposed to several core concepts, such as human geography, population and movement, economic systems, government systems, and culture. Students will apply the tools of geography and the core concepts to the nations they study. Students will not only examine the physical geography of a region, but also the human elements that help create the unique global world we live in today.

## WORLD LANGUAGES

### WORLD LANGUAGE 7

Quarter

Grade 7

Students will be exposed to the Spanish and German cultures and languages and will understand the importance of becoming more culturally aware. They will understand the impacts of globalization and how that contributes to the necessities of learning about other cultures.

<b>GERMAN</b>
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Students in these courses will communicate in a variety of ways using German leading them to proficiency in the language. Additionally, they will gain knowledge and understanding of German speaking cultures. Finally, they will develop insight into the nature of language and culture. A variety of activities will be used to develop listening, speaking, reading and writing skills in the target language.

GRADE	COLLEGE CREDIT TRACK
8	German I
9	German I or II
10	German II or III
11	German III or IV / College in the Schools Credit Program
12	German IV / College in the Schools Credit Program

Note: If students want to be eligible for the college credit German class at the high school, they MUST begin Level I German in either **8<sup>th</sup>** or **9<sup>th</sup>** grade. (The college credit class is the German IV/ College in the Schools credit program.

### 640 GERMAN I

Full Year

Grades 8-12

Prerequisite: None

This is the foundation of the study of this language. The first semester teaches the sound system of the German language and is an introduction to the culture of German speaking countries. The vocabulary deals with personal introductions, vacationing, food, family, numbers, and classroom items. Semester two continues with vocabulary concerning shopping, clothing, simple mathematics, and geography. Short conversations in German are practiced and presented with classmates.

<b>SPANISH</b>
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Students in Spanish courses will communicate in a variety of ways leading them to proficiency in the language. A variety of activities will be used to develop listening, speaking, reading and writing skills in the target language. Additionally, they will gain knowledge and understanding of Spanish speaking cultures. Students with prior knowledge/skills of Spanish should consult the department to determine the appropriate entry level.

GRADE	COLLEGE CREDIT TRACK
8	Spanish I
9	Spanish II
10	Spanish III
11	Spanish IV
12	SENIOR SPANISH/ College in the Schools Credit Program

\*If students want to be eligible for the college credit Spanish class at the high school they MUST begin Level I Spanish in **8<sup>th</sup>** grade. See above.

### 650 SPANISH I

Full Year

Grades 8 - 12

Prerequisite: None

This is the foundation of the study of this language. This course focuses on the sound system of the Spanish language and is an introduction to the culture of Spanish speaking countries. The vocabulary deals with personal introductions, numbers, classroom items, activities and family.

## English Learners

<b>1124</b>	<b>EL GRADES 7/8</b>	<b>Full Year</b>	<b>1 Credit</b>	<b>Grades 7-8</b>
<b>2124</b>	Prerequisite: EL Services and Permission of Instructor In this class, students acquire basic English vocabulary and grammar structure including present tense; using and understanding simple commands; and expressing needs, likes, and wants in speaking and in writing. Students in this class are just developing their literacy skills in English.			