

RED WING HIGH SCHOOL
7-8 COURSE CATALOG
2022 - 2023



Red Wing Public Schools

Red Wing High School

Our mission is to encourage, empower, and engage all learners for their future.

ADMINISTRATION

Karsten Anderson, Superintendent
George Nemanich, Principal
Jason Kjos, Assistant Principal
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BOARD OF EDUCATION

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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 Some courses may be withdrawn due to insufficient enrollment or the lack of sufficient staff to adequately teach the course.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):

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> ● Aerie ● Anime Club ● Chess club ● Dramatics ● Circle of Friends ● Environmental Advocacy Club ● Fall/Spring Play ● Future Farmers of America (FFA) ● Gender Sexuality Alliance (GSA) ● Health Occupations Students of America (HOSA) ● Interact ● International Club ● Key Club ● Knowledge Bowl | <ul style="list-style-type: none"> ● Math League ● Musical Organizations: Ovation, Jazz Band, Musical ● Native American Student Association (NASA) ● National Honor Society (NHS) ● Performing Arts Club ● Robotics ● Science Olympiad ● Skills USA ● Speech Competition ● Student Council ● STP ● Sieve and Sand Literary Magazine |
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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 – Boys
Cross Country - Boys	Basketball – Girls	Golf – Boys
Cross Country - Girls	Cheerleading	Golf – Girls
Football	Gymnastics – Girls	Softball – Girls
Soccer - Boys	Hockey – Boys	Tennis – Boys
Soccer - Girls	Hockey – Girls	Track – Boys
Swimming/Diving – Girls	Swimming/Diving – Boys	Track – Girls
Tennis – Girls		
Volleyball		

RWHS 7th and 8th Grade Course Requirements

Credit Requirements: Students must take a full year of language arts, science, social studies and math in 8th 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	Full Year
US History	Full Year
Mathematics	Full Year
Life Science	Full Year
Physical Education/Health	Full Year
Electives	Quarters or Semesters
PLTW	One Quarter

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

7th Grade Electives

Band
 Choir
 World Language
 Computers and Google Prep
 Art
 Life Skills

8th Grade Electives

Art 8
 Business
 Metals
 Woodworking
 Plant Science
 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

7075	Art/World Language 7	
7076	Health/Computers & Google Prep 7	
7077	Life Skills/Project Lead The Way	
1988/2988	7th Grade Study Hall	
0225	Grade 8 Art	
0256	Grade 8 Business	
0247	Grade 8 Metals	
0246	Grade 8 WoodWorking	
0265	Grade 8 Plant Science	
0235	Grade 8 Culinary Arts	
0575	Gateway to Technology (Project Lead the Way)	Grade 8
1989/2989	8th Grade Study Hall	

Career Readiness

0277 Perspectives/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
7004/7204 Honors Math 7
1740/2740 Linear Algebra 8
1706/2706 Honors Algebra I 8

Music

7050/7250 Band 7
7054/7254 Choir 7
1201/2201 Band 8
1207/2207 Choir 8
1209/2209 Band/Choir 8

Physical Education

7020 Physical Education/Health 7
0200 Physical Education 8

Science

7001/7201 Life Science 7
1803/2803 Physical Science 8

Social Sciences

7002/7202 US History 7
1902/2902 Global Studies 8

World Languages

1640/2640 German I 8
1650/2650 Spanish I 8

English Learners

1124/2124 E.L. Grades 7 and 8

7TH GRADE ESSENTIALS

7076	COMPUTERS AND GOOGLE PREP 7/HEALTH 7 Computer and Google Prep 7 will focus on improving keyboarding and general computing by splitting time between activities as well as projects so students have the skills needed to use computers effectively. 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.	Semester	Grade 7
7075	ART 7/WORLD LANGUAGE In Art 7 , students will learn about the Elements and Principles of art and be exposed to many mediums of art. Projects include drawing, painting, sculpture and media/digital art. World Language exposes students to the Spanish and German cultures and languages and the importance of becoming more culturally aware. They will learn the impacts of globalization and how that contributes to the understanding of other cultures.	Semester	Grade 7
7077	LIFE SKILLS 7/PROJECT LEAD THE WAY Life Skills will offer students an introduction to family living, child development, home maintenance and more. 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.	Semester	Grade 7
1988 2988	Grade 7 Study Hall Students who are not in Band and/or Choir will have a study hall	Full Year	Grade 7

8TH GRADE ELECTIVES

0225	ART 8 In Art 8, students will be introduced to both two dimensional and three dimensional art. Two dimensional art includes, but is not limited to drawing and painting. Three dimensional art will include ceramics and sculpture.	Quarter	Grade 8
0256	BUSINESS 8 Students will be introduced to the foundations of Business through accounting, sales, and personal finances.	Quarter	Grade 8
0247	METALS 8 In Metals, students will begin working with metal including safety, metal technology and hot metals.	Quarter	Grade 8
0246	WOODWORKING 8 In Woodworking, students will be introduced to working with wood including safety, creative woodworking, and machine woodworking	Quarter	Grade 8
0265	PLANT SCIENCE 8 In Plant Science, students will be introduced to plants and their influence in agriculture and the economy.	Quarter	Grade 8
0235	CULINARY ARTS 8 In Culinary Art students will explore nutrition, food preparation and the food service industry.	Quarter	Grade 8
575	GATEWAY TO TECHNOLOGY 8 Gateway to Technology focuses on showing – not telling - students how engineers use technology to solve everyday problems. Gateway's primary focus is on developing stronger STEM skills. The course contains Automation and Robotics using RobotC and Vex Robotics kits, CAD: Computer Aided Design, 3D printing, Air Glider Lab and an introduction to Mechanical and Architectural Drawing.	Semester	Grade 8
1989	Grade 8 Study Hall	Quarter	Grade 8

2989 Students not in Band and Choir or Spanish I or German I may sign up for a quarter of study hall

FLIGHT PATHS

0277 INTRODUCTION TO FLIGHT PATHS Quarter (Pairs with Perspectives) Grade 8

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

7000 LANGUAGE ARTS 7 Full Year Grade 7

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.

610 LANGUAGE ARTS 8 Full Year Grade 8

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 8th 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.

618 HONORS LANGUAGE ARTS 8 Full Year Grade 8

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

7003 MATH 7 Full Year Grade 7

7203 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).

7004 HONORS MATH 7 (Pre-Algebra) Full Year Grade 7

7204 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.

740 LINEAR ALGEBRA Full Year Grade 8

This course is designed to follow the 8th 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

This course is designed to develop the MN State Standards in mathematics for 8th grade math and the 9th 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.

7050 BAND 7 Full Year Grade 7
7250

Band 7 will introduce students to playing in large ensemble settings using wind and percussion instruments. Students will develop basic music reading, music theory and instrument technique through live rehearsal and performance of wind band music. Private lessons and live performance are a part of this class. Music students are encouraged to be in BOTH band and choir.

7054 CHOIR 7 Full Year Grade 7
7254

7th Grade choir will introduce students to singing in a large ensemble. Emphasis will be on establishing basic Music reading skills, vocal technique and creating a positive ensemble environment. Private lessons and live performance are a part of this class. Music students are encouraged to be in BOTH band and choir.

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 7th Grade choir
This number is to be used for 8th graders who are in both band and choir.

PHYSICAL EDUCATION

It is the philosophy of the Health and Physical Education Department 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 manner.

7020 PHYSICAL EDUCATION/HEALTH 7 Year Grade 7

The primary objective of the physical education component of Grade 7 P.E./Health is to encourage and develop physical, emotional, and social skills. This course will rotate on an every other day rotation for the full year. The Physical education course will focus on the skills necessary for the participation in sports and life-long activities. The Health course will follow the National Health standards and include topics such as mental health, disease prevention, chemical health, sexual health, and good decision making.

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**7001 LIFE SCIENCE****FULL YEAR****Grade 7****7201**

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.

800 PHYSICAL SCIENCE**FULL YEAR****Grade 8**

This is a year-long course in introductory physical science. The purpose of this course is to give all students an introductory knowledge of physics, chemistry, and to offer insight into the means by which scientific knowledge is acquired. The course is designed to serve as a solid foundation for students taking later courses in biology, chemistry and physics. First semester covers scientific method, motion, forces, work, power, machines and energy. Second semester covers matter, atomic structure, periodic table, chemical bonds and reactions.

SOCIAL SCIENCE**7002 US HISTORY 7****Full Year****Grade 7****7202**

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.

0277 PERSPECTIVES**Quarter (Pairs with Intro to Flight Paths)****Grade 8**

As students come into 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.

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.

