

WRENSHALL High School



Course Catalog 2020-2021

**Student Guide to
Graduation Requirements
& Course Descriptions**

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Minnesota Graduation Requirements

Minnesota students are required to complete two kinds of requirements by the time they graduate. Students must:

- Satisfactorily complete the state course credit requirements under Minnesota Statutes, section 120B.024.
- Satisfactorily complete all state academic standards or local academic standards where state standards do not apply.

Course Credits

Students complete the academic standards by taking a core course of study that equips them with the knowledge and skills they need for success in postsecondary education, highly skilled work, and civic life. In order to graduate, your child's high school coursework must include at least the minimum state course credit requirements. A course credit is equivalent to a student successfully completing an academic year of study or mastering the subject matter, as determined by the local school district. Students must complete a minimum of 21.5 course credits as follows:

- **4 credits of language arts**
- **3 credits of mathematics**, including algebra, geometry, statistics and probability sufficient to satisfy the standards. Students in the graduating class of 2015 and beyond must complete an algebra II credit or its equivalent as part of the 3-credit requirement. In addition to the high school credits, students in the graduating class of 2015 and beyond must also complete an algebra I credit by the end of eighth grade.
- **3 credits of science**, including a biology credit. In addition, students in the graduating class of 2015 and beyond must complete a chemistry, physics, or Career and Technical Education (CTE) credit as part of the 3-credit requirement. (The CTE credit must meet the standards underlying the chemistry or physics credit.)
- **3½ credits of social studies**, including U.S. history, geography, government and citizenship, world history and economics.
- **1 credit in the arts**
- **7 elective credits**

An agriculture course may fulfill a general science credit requirement. A CTE course may fulfill a general science, mathematics, or arts credit requirement. School districts may require additional course credits or other requirements for graduation beyond the minimum required by the state.

Wrenshall High School

Graduation Requirements

Credits

All students are required to take a minimum of six (6) credits per semester. Credits earned in grades 9-12 are counted toward graduation. There are thirty-four (34) required credits and sixteen (16) elective credits for a total of fifty (50) semester credits required for graduation. The required credits are:

- 8 semesters of English
- 8 semesters of Social Studies
- 6 semesters of Math
- 6 semesters of Science
- 2 semesters of Physical Education
- 2 semesters of Health
- 1 semester of Computer Applications
- 1 semester of Fine or Visual Arts

(Wrenshall credit: 1 credit is awarded per class per semester)

HIGH SCHOOL DROP/ADD POLICY

Students are allowed to drop or add a course within the first week of the semester (**first 5 days**). After the time span for schedule changes is closed, the student will remain in the course and earn the final grade. If a student drops a class after the end of the first week of the semester, a failing grade in the dropped class will appear as an “F” on the student’s transcript.

HONOR ROLL

A listing of both A and B honor rolls is compiled at the end of each quarter.

A honor roll requirements: GPA of 3.667 or above with no grades lower than B-.

B honor roll requirements: GPA of 3.0 or higher with no grades lower than C-.

*An Incomplete (**I**), **NP**, or **F** in any course disqualifies the student from membership in either of the honor rolls.

HONOR STUDENT STATUS

In order to qualify for Honor Graduate status, a senior must have a **cumulative GPA of 3.5**, **complete 8 credits of mathematics** (following the guidelines stated in the graduation requirements), and **complete 2 years of a foreign language**.

ACADEMIC PLANNING WORKSHEET

7th Grade

Semester 1	Semester 2
English 7	English 7
American History 7	American History 7
Pre-Algebra 7	Pre-Algebra 7
Life Science 7	Life Science 7
Physical Education 7	Physical Education 7
Art 7 and Comm. Tech. 7	Ind. Tech 7 and Food Science 7
Band or Elective 7	Band or Elective 7

8th Grade

Semester 1	Semester 2
English 8	English 8
Geography 8	Geography 8
Algebra I	Algebra I
Earth Science 8	Earth Science 8
Physical Education 8	Physical Education 8
Ind. Tech 8 and Food Science 8	Art 8 and Comm. Tech. 8
Band or Elective 8	Band or Elective 8

9th Grade

Semester 1	Semester 2
English 9	English 9
Civics 9	Civics/ <u>American History</u>
Geometry	Geometry
Physical Science 9	Physical Science 9
Physical Education 9/Health 9	Physical Education 9/Health 9
Comp. Apps/Careers 9 or Drivers' Ed	Drivers' Ed or Comp. Apps/Careers 9
ELECTIVE	ELECTIVE

10th Grade

Semester 1	Semester 2
English 10	English 10
American History 10	American History 10
Geometry <i>or</i> Algebra II	Geometry <i>or</i> Algebra II
Biology	Biology
Physical Education 10/Health 10	Physical Education 10/Health 10
ELECTIVE	ELECTIVE
ELECTIVE	ELECTIVE

11th Grade

Semester 1	Semester 2
English 11	English 11
World History	World History
Algebra II <i>or</i> FST	Algebra II <i>or</i> FST
Chemistry <i>or</i> Physics	Chemistry <i>or</i> Physics
ELECTIVE	ELECTIVE
ELECTIVE	ELECTIVE
ELECTIVE	ELECTIVE

12th Grade

Semester 1	Semester 2
English 12	English 12
Intro to Economics	American Government
ELECTIVE	ELECTIVE
ELECTIVE	ELECTIVE
ELECTIVE	ELECTIVE
ELECTIVE	ELECTIVE
ELECTIVE	ELECTIVE

College Course Opportunities at WHS

(Information listed is subject to change)

College in the Schools (CITS) Courses

Juniors & Seniors can take a number of courses to earn college credit right here at Wrenshall High School. Through affiliation with Lake Superior College, students can have *Concurrent Enrollment* in various courses taught by credentialed Wrenshall High School teachers on campus. These courses allow students to receive both high school and college credit, with the college credit being transferable. To earn college credit, students must meet the requirements of Lake Superior College and Wrenshall High School.

Program Eligibility:

- Seniors must rank in the top half of their high school class OR have a cumulative GPA of 2.5.
- Juniors must rank in the top third of their high school class OR have a cumulative GPA of 3.0.

All Course Placement Options:

- Documentation of successful completion of a college-level course in the area for which the course placement score is used **or**
- Eligible ACT, SAT, and/or MCA scores **or**
- Eligible ACCUPLACER scores. Scores already on file may be used OR Remote proctoring of the Next Generation ACCUPLACER is available as equipment and internet access allow **or**
- Cumulative HS GPA : **Reading & Writing:** HS GPA of 2.6 or higher / **College Algebra:** HS GPA of 2.8 or higher and the completion of High School Algebra II or its equivalents with a grade of "C-" or above

CITS COURSES 2020-2021

COURSE	TERM OFFERED	COLLEGE CREDITS	ACCUPLACER TEST	SCORES TO QUALIFY	GPA (Minimum)
ENGL 1106 College Composition I	FALL	3	READING	78 or higher	2.6
PSCI 1110 American Government	FALL	3	READING	78 or higher	2.6
ENGL 1112 Intro to Literature	SPRING	3	READING	78 or higher	2.6

Honors Online

Honors Online allows high school juniors and seniors to earn both high school and college credit for online classes offered by the college and taught by college teachers, but taken via the Internet on the Wrenshall campus. This allows students to be enrolled in college classes, yet stay on campus. **You must be a self-motivated learner in order to be successful in these courses.** There is no cost to the student for these courses, although you must meet the requirements stated below.

Qualifications/Guidelines for taking Honors Online Courses:

1. Current Junior or Senior
2. Complete the Honors Online Application.
3. Juniors must have a cumulative GPA of a 3.0 or better, Seniors a 2.5 or better.
4. Students must also meet the pre-requisites of individual courses, which may include Accuplacer scores, ACT scores, MCA scores, or prior college coursework.
5. Honors Online courses begin in late August for the Fall semester and early January for the Spring semester. If a student wants to drop the course without penalty this must be done within the first week of the start of the course through LSC.
6. Students who drop a course after the ADD/DROP deadline will receive a **W** on their LSC college transcript and will be required to pay the Wrenshall School District any accrued charges.
7. If a student receives a grade of “**F**”, they will be required to pay the Wrenshall School District the entire tuition amount of the course taken.

Accuplacer

Reading: 78 or higher

Math: Elementary Algebra – 76 or higher **AND** College Math – 50 or higher (for certain courses)

Appropriate ACT scores may take the place of the Accuplacer

ACT

Reading: 21

Math: 22

Should you take an online course?

Yes/No	I have good time management skills and can stick to a schedule without prodding and reminders from a teacher.
Yes/No	I am resourceful at figuring out what to do next when I hit a roadblock in following instructions.
Yes/No	I am NOT a procrastinator.
Yes/No	I would rate my reading ability at “above average” or higher.
Yes/No	I express myself fairly well in writing.
Yes/No	I would rate my technology skill level at “above average” or higher.

Yes/No	I have access to a computer and the internet at home.
Yes/No	I am good at problem-solving technical difficulties on the computer.
6-8 Yes Answers = good candidate 4-5 Yes answers = may struggle 0-3 Yes answers = avoid/not good choice	

****For any questions/comments/concerns, please see Mr. Holter.****

On-Campus PSEO

Please see your counselor for further detailing.



ART Visuals

ART 7

REQUIRED GRADE: 7

DESCRIPTION: The visual arts experience in the ART 7 course is designed as a bridge from the elementary art experience to the middle school, and is the first step to the high school art courses. Student's preexisting skills are used as a base and focus on proficiency and technique is a matter of priority.

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ART 8

REQUIRED GRADE: 8

DESCRIPTION: The ART 8 experience is one that prepares the student for high school level visual arts content and concepts while at the same time expands the ART 7 experience by increasing the size, scope and complexity of the lessons.

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DRAWING

ELECTIVE GRADES: 9-12

LENGTH: 1 SEMESTER

DESCRIPTION: An introduction to the drawing experience, students will explore many different art mediums such as pencil, charcoal, ink, oil pastels and chalk. Students will be asked to create a wide variety of subject matter all while developing their technique and skill. After the main concepts like the elements of art and the principles of design have been through drawing, students will investigate similar concepts while painting.

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PAINTING

ELECTIVE

GRADES: 9-12

LENGTH: 1 SEMESTER

DESCRIPTION: Students will be introduced to the Elements of Art and Principles of Design. These concepts will be the foundation for the work completed throughout the course. Students will complete weekly sketchbook assignments in addition to the class work that is assigned. Students will explore a wide variety of sculptural techniques and building materials such as clay, plaster, wood, and wire. The exploration of history pertaining to sculpture will be investigated and may be inspiration for future artwork.

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BUSINESS/COMPUTER

FOUNDATIONS IN COMMUNICATION TECHNOLOGY

REQUIRED **GRADE: 7-8**

LENGTH: 1 Quarter

DESCRIPTION: This course serves as an introduction to mass communications and communication technology. Students will gain a basic knowledge of the principles behind mass media communication. Using this knowledge, students will create projects using a variety of tools, materials, processes, and systems while gaining an understanding of the effects of communications technology on our everyday lives. Students will learn the basics of: word processing, email communication, website design and development, digital publishing, beginning coding, media editing--including audio and digital image editing--and graphic design. Students will also gain an understanding of issues related to internet safety, digital citizenship, and ethical digital practices.

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COMPUTER APPLICATIONS/CAREER INVESTIGATIONS

REQUIRED **GRADE: 9**

DESCRIPTION: This course will consist of an introduction to the computer as a productivity tool.

The class will cover various computer applications such as word processing, electronic spreadsheets, computerized databases, and desktop publishing while also introducing multimedia and Internet basics. The course will provide students with relevant hands-on experience in the area of computer applications. Students will also take a career interest inventory and explore educational opportunities available to them.

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PHOTOJOURNALISM/YEARBOOK PRODUCTION

ELECTIVE

GRADES: 10-12

LENGTH: SEMESTER OR ALL YEAR

DESCRIPTION: Photojournalism/Yearbook Production introduces students to the stylistic guidelines and photojournalistic rules involved in the successful production of a school yearbook. Students learn the purpose of each section of the yearbook, how to write an effective yearbook article, how to organize and conduct student and faculty surveys, and how to collect information relevant and meaningful for the current year's yearbook. Students also learn how to write yearbook captions and headlines. In addition, students learn and apply the techniques of layout design on the computer using Yearbook Avenue and assemble pages to meet structured production deadlines. They will also learn the skills involved in effective editing, revising and photography. Requirements:

- Digital Camera (no cell phones)
- Some out of class work will be needed to meet deadlines (Athletic Events, Fundraising)
- Able to work independently while staying on task
- Creativity, Strong Work Ethic, General desire to be a part of the class

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ENGLISH

ENGLISH 7

REQUIRED GRADE: 7

DESCRIPTION: English 7 includes projects covering vocabulary, drama, research, novels, five-paragraph essay, grammar, critical viewing, and speech. Highlights of learning areas:

- Vocabulary/Spelling
- Writing -- grammar, journals, creative/academic writing, and research presentations
- Public Speaking -- through drama, research presentations, speeches
- Literature -- Diary of Anne Frank, The Outsiders, Freak the Mighty, short stories
- Writing Components -- Through the writing prompts/five paragraph essay structure

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ENGLISH 8

REQUIRED GRADE: 8

DESCRIPTION: Students will learn vocabulary through context, use the eight parts of speech in a variety of activities, and engage in creative and academic writing. In English 8, students will be asked to use critical thinking and self-directed learning. Units include word root vocabulary, grammar, five paragraph essay writing, creative writing, technical writing, drama, author study, autobiography, play writing, and speech. Highlights of learning areas:

- Vocabulary/Spelling
- Writing -- grammar, creative/academic writing, research presentations, and poetry
- Public Speaking -- through drama, debate, research presentations
- Literature – Anthem, A Day No Pigs would Die, Where the Red Fern Grows, The Pigman, Holes, Call of the Wild
- Basic Reading Test -- Through critical thinking/reading exercises
- Writing Components -- Through the writing prompts/five paragraph essay structure

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ENGLISH 9

REQUIRED GRADE: 9

PREREQUISITE: English 8

DESCRIPTION: This class covers a wide variety of texts, topics, and concepts that will prepare students for upper level English coursework in high school. Our primary areas of focus will be analyzing form, theme, fundamental literary concepts and vocabulary, and making more nuanced connections between Literature and human experience. Students will continue to learn and practice the basics of paragraph and essay-writing, and will begin to take on more complex topics and ideas in their writing. Additionally, students will try their hands at creative writing with short fiction and poetry. Vocabulary, grammar, and writing instruction will be used to bolster communication, writing, and critical thinking skills. Units will include short stories, nonfiction, poetry, mythology, drama, public speaking, and a mix of classic and young adult novels. Major texts covered during the year include selections of short fiction, focusing on the works of Edgar Allen Poe and Stephen King; mythology, centering around Ancient Greece and Homer's *The Odyssey*; we will read novels *The Book Thief* by Markus Zusak, and *Speak* by Laurie Halse Anderson. We will study classic drama as well, with *Romeo and Juliet* by William Shakespeare being our most important and involved text in that unit.

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ENGLISH 10

REQUIRED GRADE: 10

DESCRIPTION: English 10 Vocabulary and Writing –work on five-paragraph form; creative/expressive writing, as well as writing about literature. Literature study includes To Kill a Mockingbird, Lord of the Flies, Julius Caesar; Drama, A Raisin in the Sun . As a required grade-level course, English 10 is a broadening of skills acquired in 9th grade English. Progressively more complex works of literature are explored and analyzed in regards to plot, character, theme and various other literary concepts. Students are required to select literary works of their choice and effectively communicate an analysis of these works utilizing modern technologies such as computer presentation software, and publishing on the World Wide Web.

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ENGLISH 11

REQUIRED GRADE: 11

DESCRIPTION: English 11 focuses on American Literature. Our primary areas of focus will be analyzing form, theme, fundamental literary concepts and vocabulary, and examining what Literature and Media say about what it means to be American. Students will continue to practice and improve their writing, and will begin to take on more complex topics and ideas. Vocabulary, grammar, and writing instruction will be used to bolster communication, writing, and critical thinking skills. Units will include short stories, nonfiction, poetry, drama, public speaking, and a

mix of classic and contemporary work. Each major text will be taught while considering the modern-day relevance of its ideas and themes. Often, this will mean that we will compare and contrast a classic American text with a contemporary one of a similar style or message, to see where they are similar and where they are different.

Major texts covered during the year include selections of the short fiction by Ernest Hemingway, Tobias Wolff, and Junot Diaz; ancient and modern American Indian Literature will come next, where we will study local author Jim Norton and read the National Book Award winning novel, *The Absolutely True Diary of a Part Time Indian* by Sherman Alexie. We will read and discuss the play *The Crucible* by Henry Miller aloud in class. Expanding off themes of justice from *The Crucible*, we will listen to a podcast by *This American Life* called *Serial* about a modern-day murder case. A unit surrounding race and racism will include the film *42* about Jackie Robinson and will lead into reading the contemporary drama *Fences* by August Wilson. Other novels and texts may include *The Adventures of Huckleberry Finn* by Mark Twain, *The Grapes of Wrath* by John Steinbeck, *The Jungle* by Upton Sinclair, and *The Great Gatsby* by F. Scott Fitzgerald. Some or all of these books will be taught depending on time.

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ENGLISH 12

REQUIRED GRADE: 12

DESCRIPTION: This course is available to seniors who have completed English 11. Literature study includes the classic novels The Count of Monte Cristo, A Tale of Two Cities, 1984, Johnny Got His Gun, Black Boy, Ishmael. An exciting drama unit features On Golden Pond, Death of a Salesman, The Effect of Gamma Rays on Man in the Moon Marigolds and Shakespeare's Macbeth. These studies will be supplemented with short stories, one-act plays, poetry and non-fiction selections. Development of student writing—both expository and creative—will be a focus of study throughout the year.

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COMPOSITION I (CITS)

ELECTIVE GRADES: 11-12

LENGTH: 1 SEMESTER

DESCRIPTION: This course is one semester in length. The focus of this elective is expository (essay) writing with an emphasis on the writing process. A selection of creative assignments is taught as well. Students will learn how to compose succinct, purposeful essays, including personal narrative, division and classification, compare and contrast, and resume and cover letter writing.

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INTRODUCTION TO LITERATURE (CITS)

ELECTIVE GRADES: 11-12

LENGTH: 1 SEMESTER

DESCRIPTION: Introduction to Literature is designed to be a first year, college-level, survey course. Focuses include the study and analysis of elements of prose, poetry and drama in English from earlier periods through the contemporary. Emphasizes critical readings of literature. May include such genres as short story, novel, memoir, nonfiction, biography, autobiography, poem, play, or screenplay.

Through an agreement with Lake Superior College, Wrenshall School offers students the opportunity to earn college semester credit in ENG 1112 by completing the outcomes outlined below. Students must register for the credit through LSC (with Mr. Holter) Students must earn a minimum grade of a "C" in the course to earn college credit. Before registering for the optional college credit, a student should consider his or her commitment, as a failing grade will appear on the student's college transcript.

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HISTORY OF CINEMA

ELECTIVE GRADES: 10-12

LENGTH: 1 SEMESTER

DESCRIPTION: Exactly how it sounds, this semester-long English elective will study the origins of storytelling on the big screen. From the first silent "movies" to modern CGI films, we will investigate the groundbreaking innovations and the people behind them that have created the multi-billion dollar industry we have today. Study will include "Daring Directors," "Stars of the Silver Screen," and "Technology in Theater." Assessment will include writing and research projects, as well as standard tests and quizzes. You may even get your chance to direct your own mini-film. Who knows, you might end up in Hollywood!

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Mystery in Media

ELECTIVE GRADES: 10-12

LENGTH: 1 SEMESTER

DESCRIPTION: *Mystery in Media* is an exploration of the mystery story as it has developed and evolved through the years. We will read, listen, and view mystery stories in a variety of media, from the detective stories of Sir Arthur Conan Doyle to the radio shows of the 1940's to modern day TV series such as *Criminal Minds*. Writers constantly continue to build upon the formulas that have proven so popular for hundreds of years, blending modern society's

problems and crime-solving technologies into a literary genre that has always challenged logic and imagination in the attempt to answer one question: "Who done it?"

You will be responsible for the readings, response portfolios, quizzes, and research projects as they are assigned. A great percent of your grade will be based on material **viewed** in class. Therefore, attendance is vital.

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HEALTH

HEALTH 9

REQUIRED GRADE: 9

DESCRIPTION: Human anatomy, physiology, and kinesiology are taught in relation to First Aid. First Aid for Life and CPR are taught in one quarter. In the second quarter, nutrition, fitness, infectious and noninfectious disease units are among the topics taught.

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HEALTH 10

REQUIRED GRADE: 10

DESCRIPTION: This is a one semester course required for grade 10. Topics covered include peer relationships, sex education, mental health, and drugs. Decision making skills are taught relating to help in sorrow and grief, divorce, marriage, suicide, drugs, nutrition, fitness, alcohol, and infectious and non-infectious diseases. A research project on decision-making from one of several areas may be required. There is a focus on developing a knowledge base that will help in making choices in future schooling, employment, and family living.

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INDUSTRIAL TECHNOLOGY

INDUSTRIAL TECHNOLOGY 7

REQUIRED GRADE: 7

DESCRIPTION: Students will explore the world of mechanical and computer drafting. Students will get an opportunity to solve some basic engineering challenges while becoming familiar with the world of drafting the “language of industry.”

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INDUSTRIAL TECHNOLOGY 8

REQUIRED GRADE: 8

DESCRIPTION: In 8th grade, technology students will perform all tasks associated with building an Adirondack chair. Machine safety and proper use is emphasized along with material handling. Also, there is a lab fee associated with building the Adirondack chair.

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WOODS TECHNOLOGY 9

REQUIRED GRADE: 9

LENGTH: 1 QUARTER

DESCRIPTION: Subjects covered in this course will include, but not be limited to identifying wood types, the harvesting of wood materials, characteristics of milled wood, tools construction mathematics, reading and development of detailed plans, manufacture of a variety of wood projects, and independent product development.

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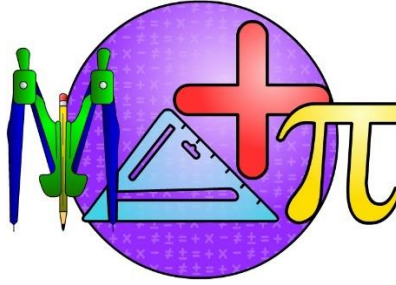
CONSTRUCTION

ELECTIVE

GRADES: 10-12

DESCRIPTION: Students will study the building trades industry in depth through various means. Areas of study will include planning, materials, best practices, and tool usage. Students will be required to participate in class projects on and off campus to learn hands on skills associated with the building trades.

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MATHEMATICS

**Students should take mathematics courses in the following sequence unless otherwise directed:
Pre-Algebra, Algebra I, Geometry, Algebra II, FST*

PRE-ALGEBRA (TRANSITION MATHEMATICS)

REQUIRED GRADE: 7

LENGTH: Year

DESCRIPTION: This course is a bridge between elementary school mathematics and high school mathematics. It combines applied arithmetic with pre-algebra and pre-geometry. Major topics covered:

- Decimal Notation
- Large and Small Numbers
- Measurement
- Uses of Variables
- Patterns Leading to Addition, Subtraction, Multiplication, and Division
- Problem Solving Strategies
- Displays
- Multiplication and Other Operations
- Real Numbers, Area, and Volume
- Coordinate Graphs and Equations

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ALGEBRA I

REQUIRED GRADE: 8

PREREQUISITE: Pre-Algebra and Teacher Consent

DESCRIPTION: This course is for students who will not be taking Introduction to Algebra and Intermediate Algebra. Algebra I uses real-world examples to teach students how to use variables to represent numbers and how to describe relationships between them. In this course,

students will begin the study of linear and quadratic functions. In addition, students will learn how to use algebra in statistics, probability, and geometry. Students who take this course will be read for Geometry in grade 9. Major topics covered:

- Uses of Variables
- Multiplication and Division in Algebra
- Addition and Subtraction in Algebra
- Linear Sentences and Linear Systems
- Slopes and Lines
- Exponents and Powers
- Quadratic Equations and Square Roots
- Polynomials
- Factoring
- Functions (if time allows)

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GEOMETRY

REQUIRED GRADE: 9-12

PREREQUISITE: Algebra I

LENGTH: Year

DESCRIPTION: Geometry is one of the oldest sciences. This course integrates synthetic, coordinate, and transformation approaches to Euclidean geometry using both deductive and inductive reasoning. Geometry also serves to reinforce basic algebra concepts. Major topics covered:

- Points and Lines
- The Language and Logic of Geometry
- Angles and Lines
- From Reflections to Congruence
- Proofs Using Congruence
- Proofs Using Congruence
- Polygons and Symmetry
- Triangle Congruence
- Perimeters and Areas
- Three-Dimensional Figures
- Surface Areas and Volumes
- Indirect and Coordinate Proofs
- Similarity (if time allows)

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ALGEBRA II (Advanced Algebra)

REQUIRED GRADE: 10-12

PREREQUISITE: Algebra I and Geometry or teacher consent

DESCRIPTION: Algebra II expands on topics learned in Algebra I. Students in this course will learn to use algebra to describe real-world situations that involve linear, quadratic, power, exponential, and logarithmic functions. In addition, the use of matrices and basic trigonometry will be introduced in this course. Major topics covered:

- Functions
- Variables and Graphs
- Linear Functions
- Matrices
- Systems
- Quadratic Functions
- Powers
- Inverses and Radicals
- Exponential and Logarithmic Functions
- Trigonometry
- Polynomials
- Quadratic Relations (if time allows)

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FUNCTIONS, STATISTICS, AND TRIGONOMETRY (FST)

ELECTIVE GRADES: 11-12

PREREQUISITE: Algebra II

DESCRIPTION: FST covers a wide range of topics. It unifies and expands on topics learned in previous courses. Students will learn how to use statistics and graphs to describe a set of data. Students will also review and extend ideas about linear, quadratic, exponential, logarithmic, and circular functions. In addition, students will use trigonometry to solve many real-life problems. Major topics covered:

- Exploring Data
- Functions and Models
- Transformations of Graphs and Data
- Circular Functions
- Trigonometric Functions
- Root, Power, and Logarithmic Functions
- Probability and Simulation

- Sequences, Series, and Combinations
- Polynomial Functions
- Binomial and Normal Distributions
- Quadratic Relations

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GENERAL STATISTICS

ELECTIVE GRADES: 11-12

PREREQUISITE: Algebra II

LENGTH: 1 Semester

DESCRIPTION:

General Statistics is an introductory course in descriptive statistics, inferential statistics, and probability. Students will learn how to use statistics and graphs to describe a set of data.

Major topics covered:

- Exploring and Organizing Data
- Transformations of Graphs and Data
- Probability and Simulation
- Sequences, Series, and Combinations
- Binomial and Normal Distributions
- Estimations
- Hypothesis Testing
- Regression and Correlation
- Chi-Square Analysis

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TRIGONOMETRY

ELECTIVE GRADES: 11-12

PREREQUISITE: Algebra II

DESCRIPTION:

Trigonometry is the study of the properties of triangles and *trigonometric* functions and of their applications. This course will focus on angles, circular functions, trigonometric identities, right triangles, Law of Sines, Law of Cosines, trigonometric equations, vectors, trigonometric form of complex numbers, and applications.

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MUSIC

Fine Arts

HIGH SCHOOL BAND

ELECTIVE

GRADES: 7-12

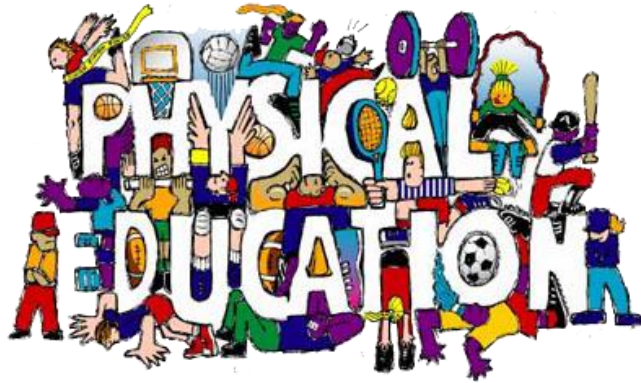
PREREQUISITE: Ability to play a band instrument (or a willingness to learn VERY quickly)

DESCRIPTION: Band is offered to students who want to develop their instrumental and musical knowledge and skills. Students develop individual and group performance skills, using various styles of band literature. Members are required to perform in the winter and spring concerts, graduation, pep band, and parades. They are also expected to participate in solo/ensembles at subsection, as determined by the director. Emphasis is on:

- proper breathing
- instrumental technique
- tone quality
- intonation
- articulation
- development of range
- rhythmic and melodic music reading skills
- style

Students in grades 9-12 attending classroom band will earn ½ credit per semester. Students who attend after school functions for pep band, concerts, parades, etc. may earn an additional ½ credit per semester when meeting attendance criteria set up by the school.

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PHYSICAL EDUCATION

PHYSICAL EDUCATION 7

REQUIRED GRADE: 7

DESCRIPTION: This course offers an ability to develop functional competence in selected play, games, and leisure skills. Development of foundations of personal fitness is an important element with emphasis on enhancement of cardiovascular fitness and motor skills.

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PHYSICAL EDUCATION 8

REQUIRED GRADE: 8

DESCRIPTION: This course develops functional competence in selected play, games, and leisure skills. Development of foundations of personal fitness is an important element with emphasis on enhancement of cardiovascular fitness and motor skills.

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PHYSICAL EDUCATION 9

REQUIRED GRADE: 9

DESCRIPTION: Developing a personal fitness program, analyzing one's personal fitness, and enhancing it, thus giving a method of future reference to lifetime experiences in fitness, are the goals of this course. The class will include exploration of lifetime activities and understanding values associated with competition.

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PHYSICAL EDUCATION 10

REQUIRED GRADE: 10

DESCRIPTION: Developing a personal fitness program, analyzing one's personal fitness, and enhancing it, thus giving a method of future reference to lifetime experiences in fitness, are the goals of this course. The class will include exploration of lifetime activities and understanding values associated with competition.

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RECREATIONAL SPORTS

ELECTIVE GRADES: 11-12 (Preferential) (10th graders allowed with approval from Counselor)

DESCRIPTION: This course will be a semester long course. It will provide students with the opportunity to participate in both team and individual sports. Our goal with this course is to promote an active lifestyle. Recreational sports will give students the opportunity to participate and learn about sports that they can continue to be active with after their high school career.

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WEIGHT TRAINING

ELECTIVE GRADES: 11-12 (Preferential) (10th graders allowed with approval from Counselor)

DESCRIPTION: This is a semester-long course. Students will have the opportunity to learn about training with free weight and nautilus machines. Students will also learn proper lifting techniques that can be utilized throughout their lives and will help to prevent injury. This course will also provide the safety instruction that is necessary when training in a gym. Students will be responsible for developing a training program that they will follow throughout one quarter before a change can be made. By taking Weight Training, students will have the knowledge of how muscle is built during training, as well as what muscle is trained with each exercise/lift. The student will leave this class with the knowledge of how to train properly and have the ability to develop a program designed specifically for their needs. This is an advantage that the student can utilize and benefit from throughout their lives to increase or maintain their physical well-being.

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SCIENCE

LIFE SCIENCE 7

REQUIRED GRADE: 7

DESCRIPTION: Life Science is offered to 7th grade students. Life Science is the study of all living organisms, from the smallest viruses and bacteria up to the largest mammals and the even larger plants. The overriding goal of the course is to have the student recognize not only the connection of all living things to each other but also the connections that the living world has with the non-living. Life Science contains lab work, microscope work, and dissections appropriate to topics covered.

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EARTH SCIENCE 8

REQUIRED GRADE: 8

DESCRIPTION: This course is designed to give students a basic understanding of the forces that have shaped our planet and the features and composition of the earth's hydrosphere, lithosphere, and atmosphere. Emphasis is placed on recognizing concepts, evaluating interactions of earth and space systems, and the impact upon human life. Included in this course is a review of how science works and why science has been so successful in helping to understand planet earth. Also included in the course is a study of the solar system and the universe. Hands-on activities and laboratory procedures are emphasized throughout the course.

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FOOD SCIENCE

REQUIRED GRADES: 7-8

DESCRIPTION: Year one will be a study of math and science in food preparation. Students will be required to learn cooking measurements, conversion of measurements, safe handling of kitchen tools, safe handling and storage of food. Students will also learn how food is important to the human body, how the digestive system works, how the digestive system is linked to the other organ systems in the body.

Year two will be a continuation of year one and a focus on food groups from a scientific standpoint, more safe handling and storage of food, food pathogens, life cycles of bacteria, food additives and preservatives.

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PHYSICAL SCIENCE

REQUIRED GRADE: 9

DESCRIPTION: Physical Science is offered to 9th grade students and is an introduction to the study of Physics and Chemistry. The first semester covers elementary physics and the second semester elementary chemistry. Physical Science contains lab work and projects appropriate to topics covered.

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BIOLOGY

REQUIRED GRADES: 10-12

DESCRIPTION: Biology is the study of all living organisms, from the smallest viruses and bacteria up to the largest mammals and the even larger plants. The overriding goal of the course is to have the student recognize not only the connection of all living things to each other but also the connections that the living world has with the non-living. Biology contains lab work, microscope work, and dissections appropriate to topics covered.

During Semester II, each student will complete a research project that requires a written paper and an oral presentation.

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CHEMISTRY

ELECTIVE GRADES: 11-12

PREREQUISITES: Physical Science and Algebra II

DESCRIPTION: Chemistry is the study of the chemical interactions of matter at the atomic and molecular level. The grade level requirement is to increase the likelihood that the student taking Chemistry has a math background adequate to the problem-solving nature of the course.

The topics covered are in keeping with an outline provided by Lake Superior College. Credit for this course may be obtained through LSC, provided the Wrenshall student qualifies and takes this course for the entire school year (2 semesters). These topics will be covered at a rate that a particular class is able to sustain. Chemistry will offer demonstrations and hands-on lab work associated with the topics covered.

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PHYSICS

ELECTIVE **GRADES:** 11-12

PREREQUISITES: Algebra II

DESCRIPTION: High School Physics is a foundation laboratory science course at Wrenshall High School that emphasizes concepts in physics that are seen in everyday life. A significant portion of this course will stress the conceptual understanding of physical laws and relationships. Students will investigate physical phenomena and theoretical models that explore the themes of metric system, dimensional analysis, formulas and units of physical laws, energy, motion, light, heat and electromagnetism. Instruction will focus on developing the student's understanding that scientific knowledge is gained from observation and experimentation. Students will use mathematics to understand and interpret physical phenomena, scientific experiments and observations.

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SOCIAL STUDIES

AMERICAN HISTORY 7

REQUIRED GRADE: 7

DESCRIPTION: This course on American History spans the era from the beginning of European colonialism in the 1600's to the Civil War.

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GEOGRAPHY 8

REQUIRED GRADE: 8

DESCRIPTION: Geography is a course that deals with people and their relationship with the earth.

Students of geography will learn geographic facts and then relate those facts to their understanding of how and why people live the way they do. Objectives of the course include the following:

- To develop vivid geographic concepts and apply them to the solution of problems.
- To understand the meaning of place, region, human environment interaction, and movement.
- To understand how people provide for their needs and wants.
- To develop international understanding.
- To promote human progress.

One of the goals of the course is to meet the MN Geography Standards.

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CIVICS 9

REQUIRED GRADE: 9

DESCRIPTION: Civics was originally intended to be an introduction to the structure and functions of American government. Over the years, however, the citizenship course has broadened in scope to include not only the important concepts of government, but also our other civic responsibilities. These include:

- An understanding of U.S. history from pre-colonization to the framing of the U.S. Constitution.
- Appreciation of the role of basic social institutions.
- The improvement of human relations.
- An awareness of both current world and domestic affairs. Objectives of the course are:
- Politics (American people, role of government in our lives)
- Federal government (Executive, Legislative and Judicial Branches)
- Law & Justice (Courts, law enforcement, jail and prison)

The class begins with a study of American history up to the early 1800's, then continues into politics and the role of government in our lives. The course includes an in-depth study of our Constitution, its history, and framework. Our civil liberties, freedoms, and rights are considered in units on law and justice.

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AMERICAN HISTORY 10

REQUIRED GRADE: 10

DESCRIPTION: This course highlights major trends and significant developments in American life from the Civil War to the present. It focuses upon concepts and understandings based upon a background of factual knowledge. It seeks to make chronological, narrative history become a basis for topical, analytical thought, thereby providing deeper insight into the developments in American history [1790 to present]. Objectives of the course include:

- To consider the similarities and differences between past and present and the relationship of historical origins to contemporary trends.
- To understand how the young nation struggled with its early development.
- To realize how differences on slavery led to division and a tragic civil war.
- To understand the ways in which our nation dealt with and overcame the constitutional, economic, social, and political problems that resulted from the Civil War.
- To appreciate how the new age of industry changed the American Way of Life.
- To understand how government grew as a guardian of people's rights and national resources.
- To understand the reasons for America's overseas expansion, along with its benefits and problems.

- To understand how Americans disinterest in and disregard for foreign and domestic policies eventually led to economic collapse and a global war.
- To realize the heavy burden of responsibility that is carried by the U.S. as a world leader today.

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WORLD HISTORY

REQUIRED GRADE: 11

DESCRIPTION: The primary purpose of World History is to supply give students with an opportunity to learn about the economic, political, and social developments that created the western civilization of which they are a part. The course includes the delete Mesopotamia, Ancient Greece, Ancient Rome, and Byzantine. The course will also include study of the European Middle Ages, the Renaissance, the Rise of Nation States, the Scientific Revolution, the Enlightenment and the Industrial revolution.

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AMERICAN GOVERNMENT “We the People” Style (CITS)

REQUIRED GRADE: 12

LENGTH: 1 SEMESTER (1st Semester)

DESCRIPTION: The primary goal of “We the People...The Citizen and the Constitution” is to promote civic competence and responsibility among the nation’s secondary students. The instructional program enhances students’ understanding of the institutions of American constitutional democracy.

At the same time, students discover the contemporary relevance of the Constitution and Bill of Rights.

The culminating activity is a simulated congressional hearing in which students “testify” before a panel of judges. Students demonstrate their knowledge and understanding of constitutional principles and have opportunities to evaluate, take, and defend positions on relevant historical and contemporary issues. Critical thinking exercises, problem-solving activities, and cooperative learning techniques help develop intellectual and participatory skills while increasing students’ understanding of the institutions of American constitutional democracy. The “We the People” curriculum fosters attitudes that are necessary for students to participate as effective, responsible citizens. After studying the textbook, students take a multiple-choice test and prepare for the simulated congressional hearing.

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INTRODUCTION TO ECONOMICS

REQUIRED

GRADE: 12

LENGTH: 1 SEMESTER (2nd Semester)

DESCRIPTION: The Economics course will focus mainly on economic thought, process, and application. Economics deals with basic problems that are faced by individuals or governments in any society, scarcity of resources, opportunity costs, incentives, markets and market structure, market failure, as well as absolute and comparative advantage and barriers to trade.

The course will be challenging and (mostly) a lot of fun because by its very nature, economic thought must be discussed, debated, and challenged. There will be periodic essay tests, projects, opinion papers based on the knowledge acquired during classroom discussion, simulations, and daily work that will require time to produce a quality product.

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WORLD LANGUAGE

Most colleges and universities have a two year foreign language requirement.

SPANISH I

ELECTIVE GRADES: 9-12

DESCRIPTION: Students will learn basic Spanish language skills such as pronunciation of consonants and vowel sounds and simple sentence structure. Vocabulary topics will include greetings, the family, school, numbers, telling time, the calendar, likes/dislikes, clothing, sports, food, and colors. Cultural similarities and differences will be discussed.

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SPANISH II

ELECTIVE GRADES: 10-12

PREREQUISITE: Spanish I

DESCRIPTION: Students will improve their Spanish language skills and progress to more advanced sentence structures while learning to communicate in the future and past tenses. Vocabulary topics include places, stores, shopping, personal care, holidays and celebrations, ordering a meal, describing a residence, family relationships, and making comparisons. Cultural similarities and differences will be discussed.

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WORLD CULTURES

ELECTIVE GRADES: 9-12

LENGTH: 1 SEMESTER EACH

DESCRIPTION: Explore food from around the world. In this class, you will learn about the culture of various countries by preparing and eating authentic dishes.

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SPECIALTY COURSES



CREDIT RECOVERY

ELECTIVE / AS NEEDED GRADES: 9-12

DESCRIPTION: Students have the opportunity to take online classes from an approved accredited institution when deemed necessary. Online Credit Recovery courses help students who need to make up missed courses or improve grades in order to graduate on time. These courses are demanding and require effective time management as well as a great deal of self-discipline. It is the responsibility of the student to earn a passing grade in an online course. **If the student is not able to pass the course, it will be the student's responsibility to pay for all fees that have been incurred, which may include tuition, student fees, and textbook fees.**

Credit equivalence at Wrenshall will be calculated accordingly once a final grade has been issued to the school. Documentation of acquired credits is needed before the credit is accepted and issued by the Wrenshall school district. It is recommended that you receive a secured approval from the school before enrolling in any online course, to ensure credit acceptance. Please speak with the guidance counselor if registering into an online course seems to be a viable option. The guidance counselor will be able to advise you regarding any additional steps that need to be completed before beginning the online course.

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DRIVERS EDUCATION

ELECTIVE GRADE: 9-12

LENGTH: 1 QUARTER

DESCRIPTION: Students learn the fundamentals of traffic safety while getting a blue card certification. Upon completion and passing of the course, students can take their permit test as long as they are 15 years old. Behind the wheel is available upon request from the instructor.

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MTSS (Reading & Math)

ELECTIVE GRADE: 7-8

LENGTH: (AS NEEDED INDICATED THROUGH SCREENING)

DESCRIPTION: MTSS is a Multi-Tiered System of Supports that is a systemic, continuous-improvement framework in which data-based problem-solving and decision making is practiced across all levels of the educational system for supporting students. Wrenshall School currently works from a two-tiered system with the following outline:

- **TIER 1: The Whole Class.** All students are taught with methods that research has shown to be effective within the general education setting. All students are screened to see who is and isn't responding to these strategies, thus initiating the selection process of qualified students who would benefit from Tier 2 interventions
- **TIER 2: Small Group Interventions.** This group of students receive more targeted support from a small group setting within the areas of *Reading* and *Math*. Students are selected by the screening process and provided this intervention in addition to core instruction.

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STUDY HALL

ELECTIVE GRADE: 9-12

LENGTH: 1 SEMESTER

DESCRIPTION: Students may choose to elect a study hall as one of their elective hours. Students are expected to go to their designated classroom and study or complete work assigned in other classes. The study hall atmosphere should be one in which students are afforded the opportunity to work undisturbed. Study halls will be treated as a regular class: thus, students are expected to attend, to report on time, and to adhere to classroom rules.

A study hall is not a credit bearing course.

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TEACHER'S AIDE (TA)

ELECTIVE GRADES: 11-12

LENGTH: 1 SEMESTER

REQUIREMENTS: Minimum GPA of 2.0, Teacher approval required

DESCRIPTION: The job of a Teacher's Aide (TA) is generally determined by the supervising teacher. Daily and timely attendance is required.

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Work Based Learning SEMINAR

ELECTIVE GRADES: 11-12 (Ages 16+)

DESCRIPTION: This seminar course will provide students an opportunity to explore career and post-secondary options and create an “action plan” for finding a rewarding future career. Students will participate in a number of self-assessments to clarify their interests, abilities, and work preferences. Students will research educational options and become aware of a variety of career planning resources currently available. Students will learn what is needed for a successful job search, prepare a resume, a practice application, cover letter, follow-u letter, collect references, recommendations and work samples. Upon completion of the course, students will have a portfolio of work resources appropriate for college or career application. Successful workplace and personal skills will be stressed. IN addition to classroom assignments, speakers and field trips will be required.

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Work Based Learning EXPERIENCE (Site Based)

ELECTIVE GRADES: 11-12 (Ages 16+)

REQUIREMENTS:

- Be at least 16 years old, and a Junior or Senior
- Be credit ready and on track for graduation
- Have a GPA of 2.0 or higher
- Have good attendance and behavior
- Have the recommendation of 2 staff members
- **Be able to provide own transportation to the Work Based Learning site**
- Complete the Work Based Learning application form and interview with the WBL Coordinator
- Successfully completed the WBL Seminar course or is currently enrolled

DESCRIPTION: This program is for students who have a career objective in mind, or who want to explore aspects of a potential career. The course will require independent study modules and job related activities, journaling of work site experiences, and ongoing conferences involving the student worker, his or her employer, and the WBL Coordinator.

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