



# 2021-2022

## VIRGINIA HIGH SCHOOL

**COURSE DESCRIPTION BOOKLET**  
**GRADES 9 - 12**



Updated 9/16/2021

# VIRGINIA HIGH SCHOOL

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All students in grades 7-12 are permitted only 1 study hall per day per semester. Not only is this consistent with all other schools in Minnesota, it is required by the Minnesota Department of Education for a student to be considered a full time student.

Students are advised that their choices in pre-registration reflect the courses that show up on their schedule. This means that if you register for it now, you are agreeing that you will take the course later if it shows up on your schedule. However, you may not get all of your options and may need to enroll in courses that you do not select based upon your other choices. In all instances, we do the very best we can to honor student registration desires!



As you look throughout the course catalog, look for the “new” icon to easily identify new courses we will offer our students beginning in 2021-2022!

## REGISTRATION INFORMATION

Registering in the spring enables students to have a better chance to get the courses that help them prepare for their future and to ensure that high school graduation requirements are met.

As you review the courses available and register, keep the following in mind:

- Review your transcript to determine which courses you have received credit for;
- Select courses that will satisfy Virginia High School’s graduation requirements;
- Select courses that will best prepare you for post-high school endeavors;
- Seek advice from people who can assist you;
- Read the course descriptions to select courses of interest to you.

## DETERMINATION OF COURSE OFFERINGS

A course will be offered only if there is sufficient enrollment. Sufficient enrollment will vary from course to course. This variation is based on the source and amount of funding made available for courses through state and federal programs. This is why it is so important to take the registration process seriously.

## SCHEDULE CHANGES

During the registration process, students are informed and encouraged to make careful course selections. These selections are used to build school schedules and establish staffing needs. In order for schedule changes to be honored, a Schedule Change Request form must be completed and returned to the counselor.

Requested changes to a student’s schedule will be honored only in certain circumstances. These may include:

- Failing a prerequisite
- Gaps in a student schedule
- Administrative discretion
- Needing to fulfill graduation requirements or engage in academic support

Some reasons schedule change requests may not be honored:

- Changing teachers
- Changing class hours
- Requesting classes with friends
- Dropping required courses
- Convenience
- Dropping below the required number of academic courses a semester

Some schedule changes require the signature of a parent/guardian. Students who drop a course after the 5th day may receive a failing grade (F) for each marking period of the course and on-line courses dropped after the 2nd week will receive a failing grade (F). Grading for dropped courses at the college level are specific to each institute.

The opportunity to change a student program will be very limited once school resumes in the fall. If a student must change their course selection, they should do so before the end of the current school year.

## **PLANNING FOR AFTER HIGH SCHOOL**

Students graduating from high school must meet preparation requirements for admission to Minnesota State Universities. In addition to the requirements to graduate from Virginia High School, private colleges and universities in Minnesota and state universities outside of Minnesota have a wide range of admissions requirements. Students are encouraged to inquire about requirements for colleges they are interested in attending. In addition to coursework requirements, many colleges and universities have freshman entrance tests that students must pass in order to register for college level courses. Some post-secondary schools set world language proficiency as a graduation requirement. Some colleges and universities require students to be Calculus-ready in mathematics for admission. The responsibility for obtaining this information rests with each student. The guidance counselor will help in every way possible.

## **COURSES REQUIRED FOR MILITARY ENLISTMENT**

The U.S. military currently holds a high standard for recruitment of enlistees. The vast majority of students who are enlisted into the military hold high school diplomas. The military has a very limited number of jobs available to students who are not high school graduates.

1. Preparation for a military career should include the same coursework as preparation for admission to a Minnesota state university.
2. Students may choose to determine a non-military vocational interest and try to match their vocational interest to a military job. The Armed Forces have many jobs that parallel civilian careers. Military recruiters can provide additional information about the kinds of jobs available to students.

**TO ALL STUDENTS:**

**THE OFFICE RESERVES THE RIGHT TO CHANGE ANY PROGRAM  
FOR THE PURPOSE OF BALANCING OUT CLASSES  
OR FOR OTHER ADMINISTRATIVE REASONS.**

# STUDENT ATHLETES PLANNING FOR COLLEGE ATHLETIC OPPORTUNITIES

Student athletes must be sure they take appropriate core classes to meet Division I & II participation requirements and complete a NCAA Clearinghouse form. In many instances, remedial courses will not count as available core classes to meet this requirement.

Athletes are encouraged to speak with a counselor to ensure all classes meet guidelines.

See NCAA website: <https://professionals.collegeboard.com/guidance/prepare/athletes/ncaa>.

**VERY IMPORTANT!**  
The only way for the school to know  
is if the student tells the counselors!



## ONE OPPORTUNITY. LIMITLESS POSSIBILITIES.

If you want to play sports at an NCAA Division I or II school, start by registering for a Certification account with the NCAA Eligibility Center at [eligibilitycenter.org](http://eligibilitycenter.org). If you want to play Division III sports or you aren't sure where you want to compete, start by creating a Profile Page account at [eligibilitycenter.org](http://eligibilitycenter.org).

### ACADEMIC REQUIREMENTS

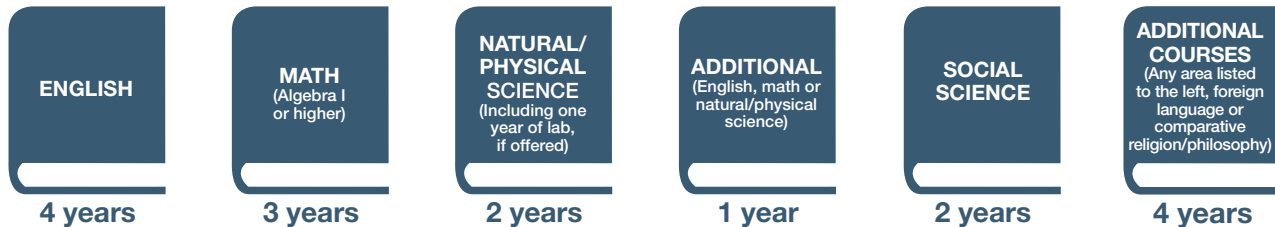
To play sports at a Division I or II school, you must graduate from high school, complete 16 NCAA-approved core courses, earn a minimum GPA and earn an SAT or ACT score that matches your core-course GPA.

### CORE COURSES

Only courses that appear on your high school's list of NCAA core courses will count toward the 16 core-course requirement; visit [eligibilitycenter.org/courselist](http://eligibilitycenter.org/courselist) for a full list of your high school's approved core courses. Complete 16 core courses in the following areas:

### DIVISION I

Complete 10 NCAA core courses, including seven in English, math or natural/physical science, before your seventh semester.



### DIVISION II



### GRADE-POINT AVERAGE

The NCAA Eligibility Center calculates your **grade-point average** based only on the grades you earn in NCAA-approved core courses.

- DI requires a minimum 2.3 GPA.
- DII requires a minimum 2.2 GPA.

### SLIDING SCALE

Divisions I and II use sliding scales to match test scores and GPAs to determine eligibility. The sliding scale balances your test score with your GPA. If you have a low test score, you need a higher GPA to be eligible. Find more information about sliding scales at [ncaa.org/test-scores](http://ncaa.org/test-scores).

### TEST SCORES

You may take the SAT or ACT an unlimited number of times before you enroll full time in college. Every time you register for the SAT or ACT, use the NCAA Eligibility Center code **9999** to send your scores directly to us from the testing agency. We accept official scores only from the SAT or ACT, and cannot use scores shown on your high school transcript. If you take either test more than once, the best subscore from different tests are used to give you the best possible score. More information regarding the impact of COVID-19 and test scores can be found at [on.ncaa.com/COVID19\\_Fall\\_B](http://on.ncaa.com/COVID19_Fall_B).

# POST SECONDARY OPTION / CONCURRENT ENROLLMENT OPTIONS

What is the difference between Post Secondary Enrollment Options (PSEO) and Concurrent Enrollment?

PSEO is taken AT THE college. Concurrent Enrollment or CIS is taken AT THE high school.

PSEO classes are held on the college campus. Watch the bulletin for PSEO deadlines.

See a school counselor if you are interested.

Under the Concurrent Enrollment option, high school students do not have to travel to a local college or university. They stay on site at their local high school where high school teachers work collaboratively with college faculty to provide college level courses.

Virginia High School strives to provide a rigorous and relevant curriculum that meets the needs of all our students. It is our sincere hope to provide coursework that challenges each student at his/her individual potential and in doing so, provides the best possible pathway to life-long success. Those students ready to challenge themselves at a higher level are encouraged to concurrently enroll in college level curriculum that allows students to earn dual high school and college credit. Concurrent enrollment is defined as enrollment in one course that provides dual credit attainment at both the high school and college levels.

Please keep in mind that regardless of the credits earned at post secondary institutions, students must meet the minimum outlined graduation requirements at Virginia High School. As allowed per the Minnesota Department of Education, credits earned at post secondary schools will earn credits at the high school level in the following manner.

Credits Earned at College Credits Earned at High School

(5) Credits at College	=	(1) Credit at High School
(4) Credits at College	=	(1) Credit at High School
(3) Credits at College	=	(.5) Credit at High School
(2) Credits at College	=	(.5) Credit at High School
(1) Credit at College	=	(.5) Credit at High School

What are the benefits of Concurrent Enrollment?

- ✓ Challenging courses for high-achieving high school students; enrichment of secondary curricular offerings
- ✓ An introduction and preparation for students as to what is expected in a college course
- ✓ A “head start” on college education for high school students
- ✓ Partnerships and cooperative initiatives between high school and post-secondary institutions
- ✓ Opportunity for students to earn college credits while remaining at their high school with their peer group

## POST-SECONDARY ENROLLMENT OPTIONS

[\(This is on the college campus—you leave VHS\)](#)

The Post Secondary Enrollment Options (PSEO) program provides 11th and 12th grade students, who qualify for admission to the post secondary institution of their choice, the opportunity to take college course(s) for college and high school credit. This program is designed to provide students with an expanded curriculum (opportunities not available at our school) and/or take advanced courses. Students in grade 10 may be eligible to take one vocational course through the PSEO option. Please see your counselor.

Due to the multi-institutional nature of this program, it is extremely important a student be capable of handling all the responsibilities that follow this choice. Students may attend on a full or part- time basis. It is important that each PSEO student stay in regular contact with their counselor to insure that they are fulfilling all requirements for graduation and also, with the high school in general, so that an awareness of activities and events is ongoing.

Admission to the local community and technical college is based on a GPA of 3.0 or greater for juniors; and 2.6 or greater for seniors, 2.8 for seniors enrolling in math courses.

Students must fill out the application form, Notice of Student Registration, which can be obtained from either the high school or the post secondary institution. An application must be filled out for each quarter or semester. Both the student and a parent/guardian must sign the application indicating that all information on the PSEO program has been received and that the student is aware of his/her responsibilities.

## COLLEGE IN THE SCHOOLS (CIS) FAQ



Courses marked with a MNSCU logo icon are CIS courses and will require a MNSCU application to the appropriate college.

Can anyone sign up for CIS courses?

Currently, CIS courses are open to Juniors and Seniors.

Do I need a certain test score to enroll in CIS courses?

No! Due to COVID-19, at this time there are no test requirements for enrolling in CIS courses. However, the GPA requirements listed below must be met.

Do I need a certain grade point average to enroll in CIS courses?

Yes!

2.6 for Seniors                      3.0 for Juniors

2.8 for Seniors enrolling in Math courses

Do I need to apply to the college?

Yes. Applications are in the counseling office and must be completed prior to the end of the school year. Incomplete applications or missing pre-requisite's result in inaccurate information, so the class may not appear on your schedule.

What if I don't meet the GPA requirements, but still want to take the class?

Due to changes in approval guidelines, only students with qualifying GPA's will be allowed to enroll in a CIS course.

**Typically the number of sections offered is determined by those that qualify in early Spring. If you do not qualify, you will be placed on a wait list and will only be able to take the course if there is enough seats available.**

Do the grades I earn become a permanent record on all college transcripts?

Yes, so please consider enrolling in CIS classes CAREFULLY!

Grades in CIS classes become a permanent part of students' college transcripts. This means that these grades will appear on your college transcripts for life! You need to be prepared to excel in the CIS classes you choose!

Can I take CIS classes for High School credit only?

Maybe. Students who do not have the required GPA or testing score to receive college credit may choose to take a CIS class for high school credit only. Grading, rigor, pace and course work will be the same for high school credit and college credit students in all CIS courses. Students choosing to take CIS courses for high school credit will receive 1/2 credit per semester. Courses taken for high school credit will NOT appear on college transcripts. Typically the number of sections offered is determined by those that qualify in early Spring. If you do not qualify, you will be placed on a wait list and will only be able to take the course if there is enough seats available.

# ADVANCED PLACEMENT COURSE INFORMATION AND FAQ



Courses marked with an AP logo icon denote courses in which college credit may be obtained through an examination process. Advanced Placement courses are courses taken at the high school that culminate with an exam. Your score on the exam determines the amount of credits and/or placement at college. If you earn an AP Exam score of 3 or higher, chances are you can receive credit, advanced placement or both from your college – nearly all colleges and universities in the United States – as well as many institutions in more than 60 other countries – grant credit and placement for AP scores or acknowledge AP scores in the admission process.

You might think that AP classes are tough, and you might be right. But that doesn't mean that you aren't up to the task. If you are willing to work hard, you'll find that the qualities you use in other parts of your life can help you achieve your goals. AP brings the college experience to your high school with the opportunity to earn college credit at thousands of universities. More students are ready for AP than you'd think. Roll up your sleeves and find out what AP can do for you.

College credit and/or advanced placement can be a big reward for all the hard work you put into your AP courses and exams. Also, when you enter college with credit you've already earned through AP, you can save time and money. With a head start on your degree, you may have the flexibility to move into upper-level courses sooner, pursue a double major or study abroad.

Can anyone sign up for advanced placement courses?

Currently, advanced placement courses are open to certain grade levels. See course descriptions.

Do I need a certain grade point average to enroll in advanced placement courses? No!

Do I need to apply to the college? No.

Do the grades I earn become a permanent record on all college transcripts? Only if you want them to!



# CONCURRENT ENROLLMENT COURSES

Students must meet requirements for concurrent enrollment to be enrolled in the following courses at the Virginia High School:

College Course Name	Course Number	Participating College	Assessment/Pre-Requisite	Course Pre-Requisite	College Credits	High School Credits
American History I	HIST 1565	Vermilion College	GPA Requirement		4	1
American History II	HIST 1566	Vermilion College	GPA Requirement		4	1
Calculus I	MATH 1561	Mesabi Range College	GPA Requirement	Trigonometry & College Algebra Waived w/ Qualifying Accuplacer Score	5	1
College Algebra	MATH 1521	Mesabi Range College	GPA Requirement	Trigonometry	4	1
College Composition I	ENGL 1511	Vermilion College	GPA Requirement		4	1
College Composition II	ENGL 1512	Vermilion College	GPA Requirement		3	0.5
College Public & Professional Speaking	TBD	TBD	GPA Requirement		3	0.5
Fund of College Chemistry	CHEM 1511	Vermilion College	GPA Requirement		4	1
Fund of College Physics	PHYS 1555	Vermilion College	GPA Requirement		4	1
Fundamentals of Music Theory	MUSC 1566	Mesabi Range College	GPA Requirement		3	0.5
Human Anatomy & Physiology I	BIOL 2551	Vermilion College	GPA Requirement		4	1
Survey of American Literature I	ENGL 2537	Vermilion College	GPA Requirement		3	0.5
Survey of American Literature II	ENGL 2538	Vermilion College	GPA Requirement		3	0.5
Trigonometry	MATH 1547	Mesabi Range College	GPA Requirement		2	0.5

# ADVANCED PLACEMENT COURSES (COLLEGE CREDIT/PLACEMENT)

Course Name	Course Number	Course Pre-Requisite	College Credits	High School Credits
AP Biology	SCI 1324A & 1324B		By Exam	1
AP General Psychology	PSY 1471		By Exam	0.5
AP Survey of Economics	ECON 1467		By Exam	0.5
AP United States Government & Politics	SOC 1465	Available in Grade 12 Only	By Exam	.5

# GRADUATION REQUIREMENTS

## VIRGINIA

## ROCKRIDGE

<b>English (4 credits)</b>	<b>English (4 credits)</b>
1.0 English 9 1.0 English 10 (Reg or Honors) 1.0 English Electives 1.0 English Electives	4.0 Credits of English
<b>Math (4 credits)</b>	<b>Math (3 credits)</b>
1.0 High School Algebra 1.0 Geometry 1.0 Algebra II 1.0 Senior Math Elective	1.0 Math Elective - Typically Intermediate Algebra I 1.0 Geometry 1.0 Algebra II  A minimum of 3 credits, which must include successful completion of the Algebra I, Geometry, and Algebra 2 sequence.
<b>Science (3 credits)</b>	<b>Science (3 credits)</b>
1.0 Intro to Physics 1.0 Biology or AP Biology 1.0 Science Elective	1.0 Intro to Physics and Chemistry 1.0 Biology 1.0 Science Elective
<b>Social Studies (4 credits)</b>	<b>Social Studies (3.5 credits)</b>
.5 Geography / .5 Economics 1.0 World History 1.0 US History .5 Economics / .5 Government	1.0 Social Studies (Includes Civics, Geography, and Economics) 1.0 World History 1.0 US History .5 Government
<b>Fine Arts (1 credit)</b>	<b>Arts (1 credits)</b>
1.0 Fine Arts (Music or Art)	1.0 Credit
<b>Physical Ed/Health (1 credit)</b>	<b>Physical Ed/Health (1 credit)</b>
1.0 Physical Education/Health	.5 Physical Education Elective .5 Health
<b>Other</b>	<b>Career Exploration (.5 Credit)</b>
.5 Speech	.5 Career Exploration
<b>Student Choice Electives (6.5 Credits)</b>	<b>Student Choice Electives (8 Credits)</b>
6.5 Student Chosen Electives	8.0 Student Chosen Electives
<b>Total Credits Required = 24</b>	<b>Total Credits Required = 24</b>

# LEARNER PROGRAMS

## RR 16225A & 16225B

### REACH

1 Credit

Relationships, Education, Accountability, Character, Hard work

If you are a student that is interested in improving yourself and learning some healthy strategies for life, REACH is a class that can help you do that!

REACH class is a positive, structured learning environment. It's a judgement-free and safe place for students to belong, connect, and support each other. REACH students set weekly goals for themselves in the areas of academic, personal, and relationship. The class curriculum includes the MDE SEL competencies (self-awareness, self-management, social awareness, relationship skills, and responsible decision-making). Additionally, positive healthy coping strategies/techniques are taught and emphasized. The curriculum is further guided by the needs of the students and may cover topics such as communication skills, mindset, problem-solving, brain research and health, self-image, drug/chemical awareness, healthy relationships, etc.

REACH is a for-credit elective class and students are graded on class participation, self-reflection, and a willingness to work toward achieving their goals. Dedication to growth is required.

## **AVID**

Major Concepts/Content: Advancement Via Individual Determination (AVID) is an academic elective course that prepares students for college readiness and success, and it is scheduled during the regular school day as a year-long course. Each week, students receive instruction that utilizes a rigorous college-preparatory curriculum provided by AVID Center, tutor-facilitated study groups, motivational activities, and academic success skills. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization, and reading to support their academic growth. Additionally, students engage in activities centered around exploring college and career opportunities and their own agency.

## RR 16320

### AVID 9

9 • .5 Credit

The 9th grade AVID Elective course will serve as a review of the AVID philosophy and strategies. Students will work on academic and personal goals and communication, adjusting to the high school setting. Students will increase their awareness of their personal contributions to their learning as well as their involvement in their school and community. There is an emphasis on analytical writing, focusing on personal goals and thesis writing. Students will work in collaborative settings, learning how to participate in collegial discussions and use sources to support their ideas and opinions. Students will prepare for and participate in college entrance and placement exams while refining study skills and test-taking, note-taking, and research techniques. They will take an active role in field trips and guest-speaker preparations and presentations. Their college research will include financial topics and building their knowledge of colleges and careers of interest.

## RR 16325A & 16325B

### AVID 10

10 • 1 Credit

During the 10th grade AVID Elective course, students will refine the AVID strategies to meet their independent needs and learning styles. Students will continue to refine and adjust their academic learning plans and goals, increasing awareness of their actions and behaviors. As students increase their rigorous course load and school/community involvement, they will refine their time-management and study skills accordingly. Students will expand their writing portfolio to include analyzing prompts, supporting arguments and claims, character analysis, and detailed reflections. Students will also analyze various documents in order to participate in collaborative discussions and develop leadership skills in those settings. Students will expand their vocabulary use, continuing to prepare for college entrance exams. Text analysis will focus on specific strategies to understand complex texts. Lastly, students will narrow down their colleges and careers of interest based on their personal interests and goals.

**RR 16330A & 16330B****AVID 11****11 • 1 Credit**

The 11th grade AVID Elective course is the first part in a junior/senior seminar course that focuses on writing and critical thinking expected of first- and second-year college students. In addition to the academic focus of the AVID seminar, there are college-bound activities, methodologies, and tasks that should be undertaken during the junior year to support students when they apply to four-year universities and confirm their postsecondary plans.

**RR 16335A & 16335B****AVID 12****12 • 1 Credit**

The 12th grade AVID Elective course is the second part in a junior/senior seminar course that focuses on the writing and critical thinking expected of first- and second-year college students. Students will complete a final research essay project with research skills gained in their junior year in AVID. In addition to the academic focus of the AVID senior seminar, there are college-bound activities, methodologies, and tasks that should be achieved during the senior year that support students as they apply to four-year universities and confirm their postsecondary plans. All AVID seniors are required to develop and present a portfolio representing their years of work in the AVID program, as well as complete the requirements for the seminar course.

# ART COURSES

## RR 01102

### DRAWING

.5 Credit

[Recommended: Art I or 8th Grade JH Art]

This semester class emphasizes drawing techniques and personal style in various mediums such as color pencil, charcoal, graphite and ink. This is a great foundational course for students interested in computer arts such as graphic design.

## RR 01104

### PAINTING

.5 Credit

[Recommended: Art I or 8th Grade JH Art]

This semester long class allows students the opportunity to try different methods of painting in watercolor, tempera and acrylic paint. Various painting styles and themes will be explored through looking at historical examples and present-day artist's works while painting your own art.

## RR 01106

### CERAMICS & POTTERY

.5 Credit

[Recommended: Art I or 8th Grade JH Art]

This semester long class will allow students to develop skills required to create pottery. Students will create several functional pieces (i.e. coffee cups, bowls, etc.) as well as non-functional (sculptural) pieces of artwork. Building methods will include the pottery wheel and hand building techniques.

## ART 1518

### STAINED GLASS & MOSAICS

.5 Credit

[Recommended: Art I or 8th Grade JH Art]

Stained glass & mosaics is a semester long class that allows students to investigate the medium of stained glass and mosaics. Students will develop skills to work with and manipulate glass, as well as create several works of art using glass in various forms.

## RR 01108

### INDIVIDUAL STUDY IN STUDIO ART

.5 Credit

[Pre-Requisite: Prior 9-12 Art Credits & Instructor Approval]

Individual study in studio art was created for students who hope to pursue a career in the field of visual arts, this course will help students develop a portfolio of work. Guided by the instructor, students will have the opportunity to select the mediums they want to work with and make decisions regarding the content and meaning of their projects.

## ART 1522A

### ADOBE PHOTOSHOP & DIGITAL PHOTO 1

.5 Credit

[Recommended: Art I or 8th Grade JH Art]

Discover digital photography! Students will employ photo composition and a variety of photo editing techniques. In addition students will scan, find online digital images, and learn graphic design basics with the use of Adobe Photoshop. All lessons will be designed to stimulate inquiry, creativity and higher order thinking.

## ART 1522B

### ADOBE PHOTOSHOP & DIGITAL PHOTO 2

.5 Credit

[Required Pre-Requisite: Adobe Photoshop & Digital Photo 1]

An extension to Adobe Photoshop 1, this course employs photo composition and a variety of photo editing techniques. In addition students will scan, find online digital images, and learn graphic design basics with the use of Adobe Photoshop. All lessons will be designed to stimulate inquiry, creativity and higher order thinking.

# BUSINESS EDUCATION COURSES

**RR 02250**



## BUSINESS FINANCE

**.5 Credit**

Join this class to learn about the language of business-MONEY! Students will use hands-on learning, through web-based applications, daily as they learn the in's and out's of the accounting process. No matter what types of business you may be a part of, there will always be a need for managing finances-this class will only make you more marketable.

**RR 02100**



## INTRO TO BUSINESS

**.5 Credit**

Amazon knows... Lululemon knows... Mark Zuckerberg knows... how to turn passion into profit! Uncover business secrets and learn the skills necessary to succeed in today's energetic business environment. This course will give you a taste of business cornerstones-marketing, entrepreneurship, finance, management, and more! Students will participate in hands-on activities and have the opportunity to put concepts and skills into practice. Get a taste of what it takes to become a professional!

**RR 02300**



## MARKETING

**.5 Credit**

If you want to find out how companies like Apple, Nike, and Coca-Cola generate excitement around their products, this class is for you. It will explore the activities involved in the foundations and functions of developing and promoting products, services, and ideas. The course is project oriented and will include an in-depth look into marketing and the "art of the sale." Marketing is a great exploration into the world of advertising and is an important step before entering post-secondary business or marketing programs.

**RR 02350**

## PERSONAL & BUSINESS LAW

**.5 Credit**

What are my legal rights? What happens if someone sues me? Students will explore concepts of law like how the legal system works, schools of thought behind enforcing law, obligations and rights of people/businesses, agency and employment laws, contracts and agreements, etc. This course will allow students to better understand the lawsuit-filled society that we live in-both personally and professionally.

**RR 02200**



## PERSONAL FINANCE

**.5 Credit**

How do I pay a bill? What types of bank accounts are there? What is insurance? Learn basic survival skills in managing your personal finances. This class will prepare students for life in understanding the practical skills of economics and personal finance. Students will learn basic money management skills by preparing a budget, maintaining bank accounts, and preparing tax forms. As consumers they will learn how to make responsible decisions regarding spending, savings, investing and using credit, which is crucial for young adults to understand prior to graduation. Other topics covered will be housing/mortgages, auto purchasing, and insurance.

**BUS 1600A & 1600B**

## URBAN EDGE

**11-12 • 1 Credit**

### Marketing & Entrepreneurship Skills

Students will be given the opportunity to learn the basics of running a business and making it successful. This course takes place in "The Urban Edge," a coffee house located in the Virginia High School. Students will be given the opportunity to participate in an environment that encourages the entrepreneurial spirit using hands-on activities. Students will learn the process behind creating and operating small businesses through developing and implementing their own business plans. Personal relations, selling, advertising, money management, and a host of other business-related areas will be covered. This class is for all students who have an interest in hands-on learning, and a desire to work in a highly motivating environment.

**This is two courses, but students must take it for the year and are required to register for both!**

**Students not selecting both will either be dropped and/or be forced into a section.**

# CAREER & INTERNSHIP COURSES

**RR 03120**

**CAREER EXPLORATION**

**.5 Credit**

(Required for students graduating in 2024 and beyond)

This is designed to provide students with an understanding of a variety of career clusters, as well as attributes and aptitudes needed in particular types of occupations. During the course, students will determine personal interests, investigate careers, evaluate career choices in relation to life goals and personal attributes, and explore different post-secondary education and training options and how to fund those choices. Students will also learn how to send professional emails, how to fill out applications, and how to write a resume.

## **CAP INTERNSHIPS**

CAP (Community Action Partnership) Internships provide students with real-world and hands-on learning experiences. Transforming the high school experience, this innovative semester-long course requires students to learn and apply knowledge as they engage with partner-driven projects and experience the challenges of real-world applications. Students will be surrounded by a variety of experiences including classroom observations, task-oriented projects, mentorship, modeling, and reflective activities. Students collaborate with academy partners within a professional setting, in and/or out of the school, where they can learn and develop career skills.

Courses Included:

Exploring Careers in Education

Intro to Administrative Careers

STARR I

STARR II

**CE 1024A & 1024B**

**INTRO TO ADMINISTRATIVE CAREERS/OFFICE AIDE**

**10-12 • .5 Credit**

[Prerequisite: Min GPA of 2.5, including no grade less than C for prior year]

Students will also earn service-learning credit for this course.

[This course will receive a Pass/Fail Grade and will not be included in GPA or Class Ranking](#)

Intro to Administrative Careers is designed to give students experience in office management and administration. Students will provide support for all High School Administrative Staff and Secretaries. Students will be supported in developing administrative skills required in the workforce today. These skills include but are not limited to:

- Proficient in writing and handling business correspondence
- Solid knowhow of general office procedures
- Demonstrated ability to work independently and as part of a team
- Excellent organizational skills
- Expert in handling office equipment including copiers and fax machines
- Internet savvy with a proven expertise in a variety of software applications
- Excellent customer service orientation
- Exceptional attention to detail with proven interpersonal skills
- Demonstrated ability to remain self motivated at all times
- Able to manage stress timely and effectively

Enrollment in this course is subject to supervisor discretion and may be based on need, ability, behaviors, attendance or other administrative determination.

**Recommendations and applications will be required prior to beginning the assignment.**

**The high school office will provide the application to all those registering for the course.**

**Students can register for one or two semesters.**



Recommendations and applications will be required prior to beginning the assignment.

An application will be provided to all those registering for the course.

This course provides students the opportunity to explore various career options in the field of Education - specifically Early Childhood, Elementary Education, and an area of their own interest at the 7-12 level. Students will be assigned to several different classrooms during the semester. In each classroom, the student will assist the classroom teacher, and will assist students by helping with reading, writing and math skills, and other course content. This is a hybrid class, where students will be in a classroom working with children 3-4 days a week, and will have online course content 1-2 days a week. The goal of this course is to help students become familiar with some of the skills, attributes, and requirements required to be successful in a career pathway that involves children and youth.

If you are thinking about a career as a teacher, coach, physical or occupational therapist, counselor, social worker, pastor, athletic director, para-professional, custodian, bus driver, principal, etc., this course is for you. Enrollment in this course is subject to teacher and administration discretion and may be based on need, ability, behaviors, attendance or other administrative determination.

**NOTE: See CIS enrollment information.**

## RR 03100A & 03100B

### **STARR I - Student Technology Agents of Rock Ridge**

**10-12 • 1 Credit**

#### **SEE CAREER EXPLORATION**

STUDENT TECHNOLOGY AGENTS OF ROCK RIDGE I is designed to give students experience in the operation and utilization of 21st century technology in education. Students will learn how to trouble shoot issues that arise with utilizing technology in the classroom. Students will also gain experience in the operation and creation of digital products through the use of video, sound and web design. Students will be expected to collaborate with teachers and other students about utilizing the technology available in our school district. Students will also earn service learning credit for this course.

## RR 03110A & 03110B

### **STARR II - Student Technology Agents of Rock Ridge**

**10-12 • 1 Credit**

#### **SEE CAREER EXPLORATION**

STUDENT TECHNOLOGY AGENTS OF ROCK RIDGE II is designed to give students management experience in the operation of a PreK-12 Education Technology Department. Students will take the lead as level 1 student technology support technicians in a school setting. They will manage issues that arise with utilizing technology in the workforce. Students in STARR II will become team leaders to delegate technology tickets to STARR I students. STARR II students will help lead trainings and support for STARR I students. Students will also gain experience in the operation and creation of digital products through the use of video, sound and web design. Students will be expected to collaborate with teachers and other students about utilizing the technology available in our school district. Students will also earn service-learning credit for this course.



# COMPUTER SCIENCE COURSES

## **RR 4100**

### **INTRO TO COMPUTER PROGRAMMING AND CODING I**

**.5 Credit**

Intro to Computer Programming and Coding I curriculum teaches the foundation of computer science, web design and basic programming with an emphasis on helping students develop logical thinking and problem solving skills. The course is designed for complete beginners with no previous background in computer science. The course is highly visual, dynamic, and interactive, making it engaging for new coders.

## **RR 4110**

### **INTRO TO COMPUTER PROGRAMMING AND CODING II**

**.5 Credit**

**Prerequisite: Intro to Computer Programming and Coding I (Formerly Intro to Computer Programming)**

Intro to Computer Programming and Coding II curriculum starts where we left off in Intro to Computer Programming and Coding I. This course continues to teach the foundations of computer science, web design and basic programming with an emphasis on helping students develop logical thinking and problem solving skills. The course is designed for students who satisfactorily completed Intro to Computer Programming and Coding I. The course is highly visual, dynamic, and interactive, making it engaging for new coders.

# ENGLISH COURSES

## **RR 05100A & 05100B** EXPLORING LITERATURE AND PROFESSIONAL SPEAKING

**9 • 1 Credit**

(Required for all 9th graders)

The focus of this ELA course is developing skills in the areas of reading, writing, and speaking through various types of literature, including short stories, novels, and nonfiction text. Students will explore several genres and work to strengthen their reading skills and develop their vocabulary. They will make connections among ideas and between texts and consider a wide range of textual evidence. Students will develop writing skills in areas including persuasion, explanatory texts, and narratives, along with reflection to make connections to literature and to reflect on personal experiences. A strong emphasis is placed on practicing public and professional speaking.

## **RR 05110A & 05110B**

### AMERICAN LITERATURE

**10-12 • 1 Credit**

American Literature surveys the work of American authors, including various forms of literature. Themes from American literature are discussed and used to create multimedia projects, literary analysis, informational/technical, persuasive, and creative writing. Students will also learn interpersonal skills that aid in speaking and listening activities and when working with others. Vocabulary study will be associated with the difficult words in literary assignments, as well as career oriented vocabulary. Mechanics, usage, and sentence structure will be studied throughout the year as needed.

## **RR 05115**

### BRITISH LITERATURE

**10-12 • .5 Credit**

British Literature surveys the work of British authors, including various forms of literature. Vocabulary study will be associated with the difficult words in every literary assignments. Compositions will include papers which focus on description, literary analysis, cause and effect, and comparison-contrast. Some opportunity will be given for creative writing. Mechanics, usage, and sentence structure will be studied throughout the year as needed.

## **ENG 1170**

### CREATIVE WRITING

**10-12 • .5 Credit**

Creative Writing is a course with a focus on unique writing areas that fall outside the normal spectrum. Students will have the opportunity to write in different genres such as science fiction, fantasy and mystery. Students will be writing in many different forms like diaries, short stories, and personal narratives. Creative Writing will also look at significant authors as examples and examine how and why their writing became successful and is classified as uniquely creative. This course will focus heavily on drafting, peer reviewing, open discussion, and revising student writing.

## **RR 05300**

### DRAMA AND THEATER

**10-12 • .5 Credit**

This course will take an in-depth look at drama as a literary form. Students will read and analyze a variety of cornerstone texts that span the history of theater from ancient Greece to the present. The course will give students an understanding of the how and why theater has become an important form of expression by studying its history as well as considering what theater can do for today's society. The elements of theater will be studied and practiced, and students will be given the opportunity to write, act, direct, and design for the stage.

## **RR 05200A & 05200B**

### GLOBAL AND INTERCULTURAL LITERATURE

**10-12 • 1 Credit**

Register for globe-trotting literary adventure in this course that will sample poetry, drama, short fiction, and novels as genres that have been developed through the centuries and around the world. While reading (as individuals and group members) is the core of this class, students will also experience various compositional forms and continue their study of the English language.

**RR 05205A & 05205A HONORS GLOBAL AND INTERCULTURAL LITERATURE 10-12 • 1 Credit**

Get ready to expand your worldview and explore ideas and literature from a variety of cultures around the world. Though the standard skills of reading and writing will be the foundation in this course, learners will also be expected to expand their discussion, creative problem solving, and presentation skills through collaborative projects. Learners will practice more formal writing forms and practices geared to prepare them for college writing expectations. They will also independently read more complex and advanced literature in order to extend their learning beyond the classroom setting.

**NOTE: Enrollment in this course is subject to review by instructors and administration.**

**RR 05550A & 05550B JOURNALISM 10-12 • 1 Credit**

The ROHIAN (ROosevelt High ANnual) is a memory book, a history text, a research guide, a public relations instrument, and an educational tool. You are historians, journalists, and artists creating a yearbook that will be read for generations to come. What you do affects every person at Virginia High School, the entire Virginia community, future students, and families of ISD 706, and, of course, you yourself as a proud Blue Devil for life. The ROHIAN staff will also be responsible for designing, assembling, and publishing of the new school newspaper (previously known as Star of the North) and the senior class booklet. Being part of the ROHIAN staff is essentially belonging to a publishing team in which you will gain skills in page design, publishing techniques, copywriting, journalism, interviewing, editing, researching, photography, record keeping, time management, teamwork, creative problem solving, marketing, and leadership skills as you produce multiples pieces of timeless, creative, and innovative professional publications that accurately and completely record the special memories and events of a unique time and place.

**NOTE: Enrollment in this course is subject to review by instructors and administration.**

**RR 05500 MEDIA STUDIES 10-12 • .5 Credit**

Turn off that YouTube, take out those earbuds, put down your cell phone, and join this class for a unique learning experience. As our world becomes increasingly “plugged in,” we are exposed to a greater variety of media in its ever-expanding forms. In this class you will improve your media literacy skills by examining the effects media has on us as individuals and as a society. We will closely analyze various forms of audio, print, photographic, broadcast, cinematic, and digital media in order to evaluate how its institutions both inform and persuade their audiences. Through reading and writing practices, big questions will be raised and discussed about the importance and ethics of media as it works to both connect and divide us. We will work collaboratively and creatively to produce media that effectively communicates ideas and meets the demands of the ever-changing professional world.

**ENG 1168 MODERN NOVEL 10-12 • .5 Credit**

Novels have amused, shocked, horrified and puzzled readers for centuries, and they will be the primary focus of this class. In this survey course, students will experience and interpret important 20<sup>th</sup> and 21<sup>st</sup> century novels written by several authors, each reflecting a major contribution to the genre. This is not, however, simply a course about stories. It is a course about societies, cultures, and artists that created these stories as well. Students will read and evaluate the significance of the novels studied and show their interpretations through a variety of creative projects and written tasks.

**RR 05400 TECHNICAL AND BUSINESS WRITING 10-12 • .5 Credit**

Technical and business writing is the study and practice of writing in professional settings. This class focuses on documents necessary to make decisions and take action on the job and in the community such as letters, reports, proposals, e-mails, resumes, and other formal documents.

## ENG 1178

## YOUNG ADULT FICTION

10-12 • .5 Credit

Young Adult fiction features characters ages 12-18 who are experiencing the same conflicts, struggles, and decisions that you are. Some examples of YA fiction are The Hunger Games, The Hate You Give, The Fault in Our Stars, and The Giver. YA fiction includes all genres of fiction such as realistic, historical, sci-fi, and fantasy. This course can help you make sense of the world around you and help you find your place in the world. In this elective course, you will read YA novels, watch their movie versions, discuss artistic choices, write reflectively and creatively, and create multimedia projects. \*The titles above are merely examples, and will not necessarily be studied in this course.

## ENG 1160

(ENGL 1511)



## COLLEGE COMPOSITION I

11-12 • .5 Credit

(4 college credits)

Students taking this course for College Credit will receive 1 credit instead of .5 for the semester.

College Composition I is the first in a two-course sequence that is designed to prepare students for writing across the disciplines. Accordingly, this course will offer a multitude of writing situations and an environment that encourages each writer to develop his or her individual style and voice. The course will focus on the steps in the writing process, including planning, pre-writing, drafting, revising, and editing. Students will hone paragraph writing skills and work toward achieving an acceptable level of grammatical correctness on final drafts. Students will practice writing in various rhetorical modes, including, but not limited to: narration/description, example/illustration, problem analysis, comparison/contrast, and literary analysis. Basic library and computer researching skills will be introduced as preparation for further study in English and other disciplines.

**NOTE: See CIS enrollment information.**

## ENG 1162

(ENGL 1512)



## COLLEGE COMPOSITION II

11-12 • .5 Credit

(3 college credits)

College Composition II is the second in a two course sequence designed to prepare students for reading, writing, and communicating across the disciplines. The focus is on critical thinking about ethical and civic responsibilities and writing argumentative essays to support ideas and opinions. The course will focus on evaluating information, researching skills, incorporating outside information into writing through summary, paraphrase, and direct quotation, and documenting sources. The course will also focus on the elements of writing an argumentative essay with emphasis on how to structure and plan argumentative writing, the role of reason and logic in argumentative writing, and the consideration of audience and opposing positions in argumentative writing. Students will practice what they learn through reading, researching, and writing on a variety of controversial ethical/social/political dilemmas. Hence, the class will at times resemble an ethics or current issues course, though the communication of ideas will be most important.

**NOTE: See CIS enrollment information.**

## ENG 1152

(ENG 2537)



## SURVEY OF AMERICAN LITERATURE I

11-12 • .5 Credit

(3 College Credits)

Survey of American Literature I introduces students to literature considered 'American' from early exploration of North America through 1865. This college level course will focus on how literature reflects historical contexts and examines American society. Students will read journals, speeches, plays, short stories and poetry. Assignments will include reader response journals, discussions, projects and compositions.

**NOTE: See CIS enrollment information.**

## ENG 1154

(ENG 2538)



## SURVEY OF AMERICAN LITERATURE II

11-12 • .5 Credit

(3 College Credits)

Survey of American literature II introduces students to literature from 1865 - present day. This college level course will cover the literature movements of realism, modernism, the Harlem Renaissance, and postmodernism. Students will read novels, short stories, and poetry to explore how the 'American Dream' is manifested in literature. Students will discuss whose voices are heard and whose stories are told. Assignments will include reader response journals, discussions, projects, and compositions.

**NOTE: See CIS enrollment information.**

# FAMILY & CONSUMER SCIENCE COURSES

**FACS 1702**

## APPAREL DESIGN AND PRODUCTION

**.5 Credit**

**This course will be offered in 21-22, it may not be offered again in 22-23**

This course is for students who would like to develop sewing skills while exploring the textile industry and related career opportunities. Students will practice basic skills, construct a project using a pattern, and will design, manufacture, and market an entrepreneurial project. Costs will vary depending on individual student projects.

**FACS 1704**

## FOODS AND NUTRITION

**.5 Credit**

In this course, students will practice various cooking techniques while examining the nutritional needs of an individual. Food trends and lifestyle options such as vegetarian diets, convenience foods, food intolerances, and how these issues relate to the nutrient needs of an individual will also be discussed. Food lab experiences will align to course content and enhance learning of food preparation techniques. Students will explore careers related to nutrition and food preparation and service.

**FACS 1710**

## HOUSING & INTERIOR DESIGN

**.5 Credit**

**This course is not offered in 21-22, it may be offered again in 22-23**

This class is designed to help the student learn to make wise housing choices and study consumer rights and responsibilities, learn about art principles and their application to building interior and exterior spaces, study housing styles, floor plans, room and furniture arrangement and selection. Students will also spend time exploring careers in housing (architect, landscaper, interior designer, etc.)

**FACS 1712**

## CHILD DEVELOPMENT

**10-12 • .5 Credit**

In the first quarter students will learn about reproduction and prenatal development and then move on to the areas of development focusing on children ages birth to 5. In the second quarter students will learn about school age children.

**FACS 1706A & 1706B**

## FOOD OCCUPATIONS I

**11-12 • 1 Credit**

Offered at Mt Iron High School

Designed for those who are interested in the food service industry. Activity centers around our student-run restaurant, The Ranger Rock Cafe, which is open to MIB faculty/staff and the public (as well as catering for events such as banquets and meetings). Included are basic food handling and safety techniques, food production, cost control methods, operation of commercial food service equipment, and customer service. Future jobs/career paths include Chef, Short-order cook, Food preparation worker, waiter/waitress, host/hostess, food service management, or restaurant owner. Check out our website: [www.foodocc.com](http://www.foodocc.com)

**FACS 1708B & 1708A**

## FOOD OCCUPATIONS II

**11-12 • 1 Credit**

**This course is not offered in 21-22, it may be offered again in 22-23**

Offered at Mt Iron High School

**[Pre-Requisite: Food Occupations I]**

Designed for those who are planning on attending a post-secondary school for culinary arts, restaurant management, or the hospitality industry. You will be responsible for inventory control, ordering supplies, quality control, scheduling of Food Occ I stations, assisting Food Occ I students during labs and restaurant operations, and devising weekly specials. Check out our website: [www.foodocc.com](http://www.foodocc.com)

# HEALTH AND HUMAN SERVICES COURSES

**RR 07215**



## **COMMUNITY HEALTH & WELLNESS** **WITH CPR, AED, FIRST AID**

**.5 Credit**

This course is designed for people with no medical background and certifies the individual in Adult, Child, and Infant CPR (CardioPulmonary Resuscitation) and choking emergencies. This course also certifies the student in the proper application and use of the AED (Automated External Defibrillator), and also certifies the individual how to manage illness and injuries across the lifespan (children and adults) in the first few minutes of an emergency until professional help arrives. Topics include first aid basics, personal protection, medical emergencies, injury emergencies (including bandaging and splinting), and environmental emergencies.

**Note: This course covers the Health graduation requirement.**

**RR 07200**

(NUNA 1215/HLTH 1657)



## **CNA/HOME HEALTH/RESP EMERG**

**11-12 • 1 Credit**

(4 college credits)

Offered at Mesabi Range Community & Technical College - Eveleth Campus

**NUNA 1215** - Intro to Nursing units of instruction include: Maintaining a safe and clean environment, communicating information, meeting basic needs, providing personal care including activity and exercise, assisting with nutrition and eliminating needs, measuring vital signs, understanding mental health and social service needs, caring for a client with special equipment and/or procedures. The course teaches the student to perform these skills in a long term facility or in a home environment. Instruction is provided through lectures with either video or instructor demonstration of nursing skills. The students are then given practice time for nursing skills in a lab with a return demonstration by the student required. The goal of this course is that the student will be proficient in all the introductory skills of Nursing and will be able to provide safe care in a healthcare setting. Upon successful completion of the course, the student will be eligible to take the State licensing exam for Certified Nursing Assistant/Home Health Aide. This course is a prerequisite for LPN and RN programs.

**HLTH 1657** - Responding to Emergencies prepares the student to assess and make appropriate decisions regarding first aid care in accidents and sudden emergencies. Upon successful completion, the student shall receive American Red Cross certification in Emergency Response.

**NOTE: Must meet PSEO GPA qualifications.**

**RR 07210**

(PSYC1457 / NURSI227 / EMSV1658)



## **CPR/MED TERM/EMERG MED RESP**

**11-12 • 1 Credit**

(4 college credits)

Offered at Mesabi Range Community & Technical College - Eveleth Campus

**NURS 1227 - Medical Terminology** - This course examines medical word composition with emphasis on word roots, prefixes, and suffixes. Abbreviations and symbols are also taught. Pharmaceutical and diagnostic terms and abbreviations are examined. This course is required for nursing and other healthcare professions.

**EMSV 1658 - First Responder** - The First Responder course is designed to train volunteers and professionals to deal with trauma and medical emergencies. Emphasis includes assessing the scene and preventing further harm, assessing patients, following protocols for equipment use, and working within the established EMS system to access medical care, and to report and provide medical support until a higher level of care can be obtained. This course includes CPR certification at the Healthcare provider level. First Responder Certification requires a skill test, 80% correct on a national written exam, and fee payment. (Certification available)

**NOTE: Must meet PSEO GPA qualifications.**

**RR 07125****MEDICAL TERMINOLOGY****.5 Credit**

A great pre-requisite course for anyone interested in medical careers and other health sciences. It is recommended that this course be taken prior to Human Anatomy. The topics covered in this course will help students develop fluency in the specialized medical language of the human body and health. Topics include terminology for the human body and pathological conditions. Terms will focus on the body systems of lymphatic, musculoskeletal, nervous, reproductive, respiratory, and urinary systems. Labs will correlate to the terminology unit.

Medical terminology is the study of the principles of medical word building to help the student develop the extensive medical vocabulary used in health care occupations. Students receive a thorough grounding in basic medical terminology through a study of root words, prefixes and suffixes. The study focuses on correct pronunciation, spelling and use of medical terms. Anatomy, physiology, and pathology of disease are discussed.

**[This class is recommended, but not required, to be taken prior to Anatomy & Physiology]**

**This course is considered a Science elective credit for graduation.**

**RR 07120****MEDICAL CAREERS****.5 Credit**

We will explore different careers within the medical industry. Career planning, medical ethics, terminology review, interpersonal skills, critical thinking, and communication skills will be topics covered throughout the semester. Other topics include therapeutic careers, information technology, alternative health, and diagnostic careers.

**Note: This course is considered a Science elective credit for graduation.**

**RR 07100****PERSONAL & CONSUMER HEALTH STUDIES****.5 Credit**

This course covers topics including personal health and fitness, nutrition, mental health and management, infectious and noninfectious diseases, drugs in our society, safety and emergency care, environmental health, and digital citizenship. We will be building skills in the area of decision-making, goal-setting, building self-esteem, communication/refusal skills, and conflict resolution.

**Note: This course covers the Health graduation requirement.**

# INDUSTRIAL COURSES

## INDUST 1810

### INDUSTRIAL TECHNOLOGY I

9-11 • .5 Credit

In this class students will begin to explore the field of Industrial Technology. An Introduction to Basic Drafting, 3D Design, 3D Modeling, 3D Printing, Laser Engraving and Vinyl Cutting will be the emphasis for Industrial Technology I. It is recommended but not required to take Industrial Technology II during the same school year. See More Here: [https://drive.google.com/open?id=1rPqsVt3tpiYd\\_pp2GUpFfP2TJqmH0Ko7](https://drive.google.com/open?id=1rPqsVt3tpiYd_pp2GUpFfP2TJqmH0Ko7)

## INDUST 1812

### INDUSTRIAL TECHNOLOGY II

9-11 • .5 Credit

**[Prerequisite: Industrial Tech I]**

The focus of Industrial Technology II will be an introduction to Shop Safety, Woodworking, and Metalworking. Students will be able to make use of their newly developed skills to design and create projects of choice during the last portion of this class. This a hands-on class where the students will enjoy working in a high-tech shop setting. See More Here: [https://drive.google.com/open?id=1rPqsVt3tpiYd\\_pp2GUpFfP2TJqmH0Ko7](https://drive.google.com/open?id=1rPqsVt3tpiYd_pp2GUpFfP2TJqmH0Ko7)

## INDUST 1820

### ROBOTICS I

.5 Credit

This course introduces the fundamental concepts of robotics using VEX Robotics. Topics include how robots move, sense, and perceive the world around them. Students will construct and program robots in laboratory sessions. Robots perform tasks that are too repetitive, too dirty, or too dangerous for humans. Robots can entertain us, clean our houses, build our cars, fight our wars, and perform surgery on our bodies. No previous computer programming or electronics experience is necessary. It is recommended to register for Robotics I and II in the same year, but not required. See More Here: [https://drive.google.com/open?id=1H5jPhuRUNrhmqoXfR\\_-\\_xP9wQ8sN8hPi](https://drive.google.com/open?id=1H5jPhuRUNrhmqoXfR_-_xP9wQ8sN8hPi)

## INDUST 1822

### ROBOTICS II

.5 Credit

**[Prerequisite: Robotics I]**

Robotics takes a problem solver and engineer to perform tasks that are too repetitive, too dirty, or too dangerous for humans. This class helps students learn about robotics by building, programming, and designing robots. Students will construct and program robots in shop environments. It is recommended to register for Robotics I and II in the same year, but not required. See More Here: [https://drive.google.com/open?id=1H5jPhuRUNrhmqoXfR\\_-\\_xP9wQ8sN8hPi](https://drive.google.com/open?id=1H5jPhuRUNrhmqoXfR_-_xP9wQ8sN8hPi)

## RR 08200

### SMALL ENGINES

.5 Credit

Small Engines is an introductory course on two and four stroke cycle engines. This course familiarizes students with the use of hand tools and small engines. Units of study include engine parts, systems, and operation of the small engine. Lab orientation emphasizes safety, maintenance, trouble-shooting, and organization while allowing the student to disassemble and reassemble small engines. Students learn how to communicate on a technical level, properly use tools, gauges, and precision measuring devices. This course is highly recommended for students entering engineering, designing, motor sports, and auto technology.

## RR 08120

### BUILDING CONSTRUCTION I

10-12 • .5 Credit

**Preference of enrollment will be given to students in grades 11-12 with instructor approval.**

Do you want to be a part of Rock Ridge history? If you are in this building construction class you will be constructing several structures for the new Rock Ridges athletic complex. These projects will include the construction of the concessions and bathroom buildings, athletic storage buildings, baseball and softball dugouts, and press boxes. The larger projects will take place on-site during the warmer months, and modular and panelized building components will be built indoors during the colder months. Students will take part in hands-on construction while exploring careers in carpentry and construction. Related instruction emphasizes math, blueprint reading, estimating, materials of construction, tools and equipment, principles of carpentry, and safety. It is recommended, but not required, to take Building Construction I & Building Construction II during the same school year. <https://drive.google.com/open?id=1IVmkg60br5z1yc0YulLax-wSlzkWZdfw>



**RR 08122**  
**(CARP 1225)**

**BUILDING CONSTRUCTION II**

**10-12 • .5 Credit**

**[Prerequisite: Building Construction I]**

**Preference of enrollment will be given to students in grades 11-12 with instructor approval.**

Building Construction II will be an extension of Building Construction I. We will continue to build and finish building several new structures at the new Rock Ridge athletic complex. Students will continue to acquire knowledge and skills related to the building trades industry. Topics to be covered more in depth could include the installation of: windows, doors, exterior walls and siding, plumbing, electrical, heating, insulation, interior walls, drywall, ceiling materials, flooring, and painting. These Construction Trade Skills will provide the essential framework for individuals desiring to become proficient in the skilled trade of construction. See More Here: <https://drive.google.com/open?id=1IVmkg60br5z1yc0YulLax-wSlzkWZdfw>

**INDUST 1849**

**ENGINEERING I - Fundamentals of Solid Modeling**

**10-12 • .5 Credit**

This course introduces the fundamentals of graphical communications for design and manufacturing with a solids modeling software called SolidWorks. Topics include basic 3D geometry construction, drawings, assemblies, and dimensioning. In addition to using SolidWorks we will also be using the 3D printer for rapid prototyping of our designs. It is encouraged but not required to take Engineering II during the same school year. See More Here: <https://drive.google.com/open?id=1I6RQ9KpulEbmSE6sZiR04x47RgFMTX>

**INDUST 1851**

**ENGINEERING II - Engineering Professional Development I**

**10-12 • .5 Credit**

This course helps students gain an understanding of the profession of engineering and the pathway to obtaining an engineering education. This course will go over the design development process while enriching problem-solving skills. Students will take a hands-on approach to real-world projects, giving them a better understanding of how the skills learned in the classroom can be applied to everyday life.

See More Here: <https://drive.google.com/open?id=1I6RQ9KpulEbmSE6sZiR04x47RgFMTX>

**RR 08400**

**HOME MAINTENANCE**

**10-12 • .5 Credit**

The Home Maintenance course is designed to give students a basic understanding of home maintenance and repair. Consisting of, but not limited to: concrete, electrical, plumbing, carpentry, roofing, drywall, painting techniques, tile installation, wall coverings, and landscaping. In addition to home repair, this class will cover many different areas of everyday life. Each student will complete hands-on activities using the skills and tools necessary for home repairs and improvements. This is a life-long skill class.

See More Here: <https://drive.google.com/open?id=13oexkHhGufJ-52ZWlUps4fYeL4twHu5>

**INDUST 1818**

**iDESIGN**

**10-12 • .5 Credit**

iDesign will allow one's imagination and creativity turn into reality. Students will use high-tech computer controlled equipment such as laser engravers, vinyl cutters, and rapid prototyping machines. Students will create projects such as: multicolor decals, custom printed t-shirts, personalized picture frames, LED signs, etched mirrors, selfie bobbleheads, etched sports mugs, personalized flower vases, drink coasters and a cutting board. Pretty much anything custom you see on Pinterest you can create in this class. Students will design and create several different projects in a clean lab environment. Once students are familiar with the software and equipment, they will have the opportunity to design and create projects of their choice.

See More Here: [https://drive.google.com/open?id=1UHf0p02vVwwmtgfcIvMrWn5fHUd\\_\\_RRy](https://drive.google.com/open?id=1UHf0p02vVwwmtgfcIvMrWn5fHUd__RRy)

**RR 08300****INTRO TO MILLWRIGHT & MINING****10-12 • .5 Credit****This course will be offered in 21-22, it may not be offered again in 22-23**

Have you ever wondered what a Millwright is and what they do? This course gives you the opportunity to learn and explore about what Millwrights do for their jobs. This includes instruction and experiences in mechanics, hydraulics, principles of operation, maintenance and repair, use of measurement and analysis tools, disassembly and reassembly of machinery, safety and career opportunities, plant tours, and much more. Students will learn about how to apply the keys to success in industry that include safety, continuous learning, positive attitude, reliable attendance, teamwork and a positive work ethic.

**RR 08500****WELDING I****10-12 • .5 Credit**

Intro to welding offers students the opportunity to learn about the welding and cutting processes. Students will be introduced to Oxy-Acetylene Welding, Arc Welding, Wire Feed Welding, Torch Cutting, CNC Plasma Cutting and Plasma Cutting. Students will also have the opportunity to use these skills to create several different projects of choice.

See More Here: <https://drive.google.com/open?id=1jUWS6LrZnMWsREdbDqtY5mfNg70xEiW9>

**RR 08502****WELDING II****10-12 • .5 Credit****[Prerequisite: Welding I or Intro to Welding]**

This course offers intermediate level training in Horizontal and Vertical Welding. Welding processes include Shielded Metal Arc Welding ("Stick"), Oxy-Acetylene Welding and Cutting, Gas Metal Arc Welding ("Wire Feed"), Plasma Arc Cutting, Gas Tungsten Arc Welding (TIG), CNC Plasma Cutting and Welding Safety. Students will complete an assigned metals project.

See More Here: <https://drive.google.com/open?id=1jUWS6LrZnMWsREdbDqtY5mfNg70xEiW9>

**RR 08504****WELDING III****11-12 • .5 Credit****[Prerequisite: Welding II]**

This course offers advanced welding training. Welding processes include Overhead Welding, Shielded Metal Arc Welding ("Stick"), Gas Metal Arc Welding ("Wire Feed"), Gas Tungsten Arc Welding (TIG), FCAW and Aluminum Welding. Plasma Arc Cutting and CNC Plasma operation will also be introduced in this course. Welding III will give students the opportunity to design and create projects of choice, or be part of a class project. Examples of choice projects could include; snowmobile/ATV accessories, signs, art sculptures, sporting, hunting or fishing accessories and more! examples of class projects could include; a utility trailer, drop down fish house frame or a mobile BBQ grill. This class could lead to future career paths which could include; Welder, Millwright, Independent Owner Welding/Fabricating Shop or Computer Aided Manufacturing.

See More Here: <https://drive.google.com/open?id=1jUWS6LrZnMWsREdbDqtY5mfNg70xEiW9>

**RR 08100****WOOD TECHNOLOGY I****10-12 • .5 Credit**

Students will develop hands-on skills, knowledge, and safety practices by using the tools and equipment in the woodworking industry. Students will construct a magazine rack at no cost to the student. The students next project will be a small piece of furniture or cabinet of their choice and will be paid for by the student. See More Here: [https://drive.google.com/open?id=1kfb1eFHZD4PQjuvkkWnv9\\_96ThBERmKp](https://drive.google.com/open?id=1kfb1eFHZD4PQjuvkkWnv9_96ThBERmKp)

**RR 08102****WOOD TECHNOLOGY II****10-12 • .5 Credit****[Prerequisite: Wood Technology I]**

Students will learn more about the wood industry and enhance their skills by constructing an advanced cabinet or piece of furniture. Students will construct their project from the design stage to the finished product. Project examples include entertainment centers, coffee tables, gun cabinets, dressers, curio cabinets and display cabinets. The project will be paid for by the student.

See More Here: [https://drive.google.com/open?id=1kfb1eFHZD4PQjuvkkWnv9\\_96ThBERmKp](https://drive.google.com/open?id=1kfb1eFHZD4PQjuvkkWnv9_96ThBERmKp)

**RR 08210****AUTO MAINTENANCE****11-12 • .5 Credit**

This course provides students with the knowledge to make economical decisions and take preventative measures to enhance the overall satisfaction of being a vehicle owner. The class discussions and lab activities provide the fundamental knowledge and experience in owning and maintaining an automobile. Students will use basic hand, power, and lifting tools to perform maintenance on vehicles. Changing oil and filters, tire rotation, minor electrical repairs, exterior car maintenance and other related tasks are experienced.

See More Here: <https://drive.google.com/open?id=1GdduiawPN0gJz-0Y56ydiWvmvKLnia0q>

**RR 08220****AUTO MECHANICS I****11-12 • .5 Credit****[Prerequisite: Auto Maintenance]**

This course is the study of the operation and repair of the automobile. A systematic approach will be used to disassemble, measure, diagnose, and reassemble automobiles and some small engines. Live shop work will be used as much as time permits. The year will be broken down into units, beginning with orientation & safety, progressing through engine principles, general automotive servicing, tool identification/use, followed by more advanced areas. See More Here: <https://drive.google.com/open?id=1GdduiawPN0gJz-0Y56ydiWvmvKLnia0q>

[id=1GdduiawPN0gJz-0Y56ydiWvmvKLnia0q](https://drive.google.com/open?id=1GdduiawPN0gJz-0Y56ydiWvmvKLnia0q)

# MATH COURSES

## RR 09210A & 09210B

(Required unless taking Honors)

## INTERMEDIATE ALGEBRA I

1 Credit

Intermediate Algebra I will include an algebraic introduction that builds upon the concepts taught in Introductory Algebra. Students will be working with real numbers, solving equations and problems, polynomials, factoring polynomials, algebraic fractions, applying fractions, introduction to functions, systems of linear equations, inequalities, rational and irrational numbers, and finally, quadratic functions.

## RR 09310A & 09310B

(Required unless taking Honors)

## GEOMETRY

10-12 • 1 Credit

This course is the study of plane, solid, and coordinate geometric problems. Topics covered are basic figures, definitions and postulates, inductive and deductive reasoning, angle relationships, perpendicular and parallel lines and planes, congruent and similar polygons, an introduction to trigonometry, circles, arcs and angles, etc. This course consists of a review of arithmetic operations, the practical application of topics in measurement, geometric figures, geometric formulas, industrial formulas, metric system, geometric construction, ratio and proportion, percentage, trigonometry, and graphs.

## MATH 1234A & 1234B

## HONORS GEOMETRY

1 Credit

[Prerequisite: HONORS 8TH GRADE ALGEBRA I or High School Algebra with instructor approval]

[Students are required to maintain a B- average PER SEMESTER and no more than 2 missing assignments PER SEMESTER]

Emphasis is placed on deduction, but significant roles of induction and intuition are also stressed. Linear, angular, surface and volumetric, and quantities of 1, 2, and/or 3 dimensional geometric forms are compared and/or calculated. The line, plane, and space are coordinated; and elementary methods of analytical geometry are introduced. Solid geometry is integrated with plane geometry throughout the course.

## RR 09230A & 09230B

(Required unless taking Honors)

## ALGEBRA II

10-12 • 1 Credit

[Prerequisite: Intermediate or Algebra I]

This is the second course in high school algebra. Topics covered include solving equations and inequalities including linear, quadratic, polynomial, inverse, absolute value, and exponential. Other topics include solving systems of equations; simplifying rational, irrational, imaginary, and complex expressions; logarithms, and probability and statistics.

## MATH 1244A & 1244B

## HONORS HIGH SCHOOL ALGEBRA II

10-12 • 1 Credit

[Prerequisite: Honors Geometry or instructor approval]

[Students in this class come directly from Honors Geometry. They are required to maintain a B- average PER SEMESTER and no more than 2 missing assignments PER SEMESTER.]

High School Algebra II is a continuation of High School Algebra I geared toward the college-bound student. The first semester includes discussion of properties of the real number system, graphing and solving linear equations, factoring, solving quadratic equations, and an introduction to roots, radicals, and complex numbers.

The second semester includes properties of special curves (circles, parabola, hyperbola, ellipse), direct and inverse variation, logarithms, arithmetic/geometric sequences and series, statistics and probability, and an introduction to trigonometry.

## MATH 1250A & 1250B

## HIGH SCHOOL TRIGONOMETRY

11-12 • 1 Credit

[Prerequisite: Informal HS Algebra II or HS Algebra II & 1 year of Geometry]

This is NOT a pre-calculus course. It is a continuation of Informal High School Algebra II or High School Algebra II for those students who want another math course. It is a course that should be considered for any student who plans to continue their education beyond high school, either at a college or vocational school. Some of the topics include trigonometric functions, complex numbers, and vectors with a strong emphasis on problem solving.

## MATH 1252

## MATH 1254

(MATH 1547) (MATH 1521)



## COLLEGE TRIGONOMETRY

## COLLEGE ALGEBRA

11-12 • .5 Credit

11-12 • 1 Credit

(6 college credits)

[Prerequisite: High School Algebra II] **Those taking this sequence for college credit will receive 1.5 math credits.**

These courses are considered necessary for any student who plans to take calculus in college. All engineering, mathematics, and science-based majors, along with most medical related fields and advanced accounting fields require calculus to some extent. Completion of this course with good grades and strong study habits should be adequate preparation to take calculus in college. The course "High School Trig" is not designed as a prerequisite for calculus.

(This course may be taken if at least a "C" average in High School Algebra II is maintained.)

**NOTE: Register for both classes to receive college credit.**

**NOTE: See CIS enrollment information**

## MATH 1256A & 1258B

(MATH 1561)



## CALCULUS I

12 • 1 Credit

(5 college credits)

[Prerequisite: College Trigonometry & College Algebra]

This course examines limits, continuity, fundamentals of differentiation and integration of functions of one variable and applications of differentiation and integration.

(This course may be taken for high school credit if at least a "C" average in College Trigonometry & College Algebra is maintained.)

**NOTE: Register for both classes to receive college credit which is earned in the 2nd semester of the course.**

**NOTE: See CIS enrollment information**

## MATH 1264A & 1264B

(GEDM 1165)

## TECHNICAL MATH

12 • 1 Credit

Mathematics for the Trades provides practical mathematical skills needed in a variety of occupations (carpentry, plumbing, electrical, construction, masonry, machinist, HVAC, allied health, landscaping, and many more). This course assists students by providing a direct practical approach that emphasizes careful complete explanation and actual on-the-job applications. Special attention is given to math skills required for successful field work by using a wide variety of real problems and situations. Many applications used are parallel with those that appear on professional and apprenticeship exams.

## MATH 1270A & 1270B

## SENIOR HIGH MATH TOPICS

12 • 1 Credit

This course will help you review and learn important concepts and skills related to high school mathematics. The course will include a wide variety of algebraic, geometric and trigonometric topics that will help students increase their skills in preparation for future post-secondary entrance exams.

# MUSIC COURSES

## **RR 10200A & 10200B**

**(Intermediate SSAA choir)**

## **BEL CANTO**

**9 • 1 Credit**

*This course will be taught on the Eveleth Campus*

Bel Canto is a non-auditioned choir open to all SOPRANO/ALTO SINGERS in 9th grade. The course will focus on the enjoyment of singing, exposure to the many styles of choral music, and the development of the skills necessary for an excellent choral performance. Bel Canto performs in three major concerts each year, the MSHSL Large Group Contest, and travels every four years. The choir may also participate in field trips, community performances, and festivals. This choir is a year long course; students must sign up for both semesters.

## **RR 10220A & 10220B**

**(Intermediate TTBB choir)**

## **KANTOREI**

**9 • 1 Credit**

*This course will be taught on the Virginia Campus*

Kantorei is a non-auditioned choir open to all TENOR/BASS SINGERS in 9th grade. The course will focus on the enjoyment of singing, exposure to the many styles of choral music, and the development of the skills necessary for an excellent choral performance. Kantorei performs in three major concerts each year, the MSHSL Large Group Contest, and travels every four years. The choir may also participate in field trips, community performances, and festivals. This choir is a year long course; students must sign up for both semesters.

## **RR 10230A & 10230B**

**A Cappella Choir (advanced mixed choir, grades 10-12)**

## **A CAPPELLA CHOIR**

**10-12 • 1 Credit**

The Virginia High School A Cappella Choir is the flagship ensemble of the Virginia Choral Department and is open to all singers in grades 10-12. The A Cappella Choir is designed to fulfill the needs of those students who desire a strong background in choral singing. The choir performs all styles of choral literature from the renaissance through the contemporary periods, and a high level of commitment is expected. Emphasis is placed on solo and ensemble singing. The choir performs in three major concerts throughout the year, performs in the MSHSL music contests, participates in music festivals and community performances, and travels every two years. This choir is a year long course; students must sign up for both semesters.

## **RR 10240**

**(MUSC 1566)**



## **FUNDAMENTALS OF MUSIC THEORY**

**11-12 • .5 Credit**

*(3 college credits)*

This course is specifically designed for students interested in music and its inner workings. The basic concepts of rhythm, melody, harmony, and music reading are studied. Students are introduced to fundamental musical structures such as key signatures, intervals, scale and chord construction, elementary harmonic analysis, basic time signatures, form, terminology, elementary keyboard and transposition. This course must be taken concurrently with a music ensemble (band, choir, or orchestra). This course should not take the place of your participation in an ensemble. If you have any questions, please contact Mr. Krage.

**NOTE: See CIS enrollment information.**

## **MUS 2043A & 2043B**

## **CONCERT BAND**

**9 • 1 Credit**

**[Prerequisite: Band 8]**

Concert Band is an elective music course and performing ensemble, which meets daily and emphasizes the basic fundamentals of playing a band instrument. Students will engage in fundamental method book practice throughout band classes to elaborate on the knowledge and skills learned through previous band classes. They will also have the opportunity to practice and perform a variety of exciting and fun music that will build on the fundamentals learned in class. Students are required to attend scheduled band events throughout the year as a part of this course, which includes concerts, pep band events, and marching band performances. Grading in this course will be based on each student's progress in fundamental learning as well as their active participation and attendance at the band's scheduled events.

## **MUS 2041A & 2041B**

## **SYMPHONIC BAND**

**10-12 • 1 Credit**

**[Prerequisite: Band course taken in the previous year]**

Symphonic Band is an elective music course and performing ensemble, which meets daily and emphasizes the basic fundamentals of playing a band instrument. Students will engage in fundamental method book practice throughout band classes to elaborate on the knowledge and skills learned through previous band classes. They will also have the opportunity to practice and perform a variety of exciting and fun music that will build on the fundamentals learned in class. Students are required to attend scheduled band events throughout the year as a part of this course, which includes concerts, pep band events, and marching band performances. Grading in this course will be based on each student's progress in fundamental learning as well as their active participation and attendance at the band's scheduled events.

## **RR 10800A & 10800B**

## **SENIOR HIGH ORCHESTRA**

**9-12 • 1 Credit**

High School Orchestra is a course for advancing string players who have been in orchestra in grades 5-8. In addition to the traditional performance/technique-based curriculum, the students are involved in a more comprehensive curriculum, which includes: analysis of musical form, music theory, music history, solos and small ensembles. The orchestra performs a fall concert, a winter concert, a spring pops concert, the Minnesota State High School League music contest, community functions, and the graduation ceremony. Students are strongly encouraged to take private lessons. Our tour is taken in the spring on a 4 year rotation.

# PHYSICAL EDUCATION COURSES

**RR 12120**

## INDIVIDUAL / DUAL / RACQUET SPORTS

**.5 Credit**

Class emphasis is on gaining a basic knowledge of individual sports, fitness and lifetime activities. Sports and activities may include, but are not limited to, badminton, pickle ball, mushball, speedminton, spikeball, golf, archery, bowling, tennis, walking/jogging, table tennis, disc golf, bean bags, bocce ball and individual fitness plans. Students will progressively learn the skills and game strategies for each sport. These sports/activities have been chosen to encourage students to participate in physical activity for life and to promote good health and wellness. Once a semester, students will go bowling. This bowling activity may require a fee which the student will be responsible to pay.

**RR 12130**

## SHAPE-UP FITNESS

**.5 Credit**

Shape-Up Fitness is a semester class geared toward female students grades 10-12, although all students are welcome. This class will encourage individual goals in developing muscular strength/toning, cardiovascular endurance and flexibility through a variety of activities such as yoga, pilates, zumba, kickboxing, weight lifting, high intensity training, other cardiovascular activities and team/individual games.

**RR 12110**

## TEAM SPORTS

**.5 Credit**

Class emphasis is on gaining a basic knowledge of team sports. Students will learn a variety of rules, fundamentals and strategies used in team sports. Team sports include, but are not limited to, team handball/speedball, volleyball, lacrosse, softball, ultimate Frisbee, soccer, basketball, football and floor hockey. Safety, teamwork and sportsmanship will be emphasized.

**RR 12100**



## THE MIX - PHYSICAL EDUCATION FOR ALL INTERESTS

**.5 Credit**

This Physical Education course will incorporate all types of games and activities. It will include individual and team activities. Units include but are not limited to swimming, racquet sports such as badminton and pickleball, team sports such as basketball, soccer, team handball, football, volleyball, floor hockey, lacrosse, dodgeball, spikeball weight training, team building, individual activities such as bowling, etc. This course will be fun, engaging and high energy. If you like playing a variety of games and activities, while having fun and getting exercise, this course is for you. Activities will be adjusted based off of the time of year that it is offered.

**RR 12140**

## WEIGHT LIFTING/PERSONAL FITNESS

**.5 Credit**

Weight Lifting / Personal Fitness is a semester class for 10-12 grade students. Students will have an opportunity to work on a number of different categories of fitness including: muscular strength, cardiovascular endurance, flexibility and much more. There will be a number of different programs for students to use as training tools depending on their experience and level of comfort in the weight room. Students of all levels of fitness are welcome to register for this class. Workout programs for 1st quarter of the semester will be a choice based upon the options that are available from the teacher and what the student's goals are. Programs can be more strength-based or more cardio-based but should include both aspects. Workout programs for the 2nd quarter of the semester will be of choice to the student based on their research. Students may research a program to use but must have it approved by the teacher. If they choose, they may still pick one of the options from the previous quarter.

**RR 12160**



## OUTDOOR RECREATION

**.5 Credit**

This course is for outdoor novices or experienced individuals with the interest in outdoor recreation and how best to utilize the resource safely without destroying it. This course will focus on hands-on and practical opportunities balanced with academic analysis. This course will examine common Minnesota outdoor activities from a standpoint of safety, proper gear and use of gear, multiple use principles, and cost for the activity. We will examine activities such as canoeing, ice & summer fishing, geocaching, wilderness hiking, summer and winter camping, archery, small and large game hunting and trip planning.



## RR 12150



## COACHING/OFFICIATING

**.5 Credit**

Have you ever thought about a career in sports and what it is to be a coach or an official? This course is an introduction in the field of athletics. Students will learn the basics of how to develop a sports program. Students will develop a philosophy of coaching and learn how to evaluate, teach, set up and schedule games and practices. In the officiating portion of the class students will learn techniques, rules and positioning in how to be an official. Students will be active learning in this class. Students will be watching game film, utilizing in class games to provide access to coaching and officiating peers in a live situation.

# SCIENCE COURSES

## **RR 13100A & 13100B**

(Required unless taking Honors)

## **INTRO TO PHYSICS & CHEMISTRY**

**1 Credit**

Introduction to Physics and Chemistry is a full-year course that investigates the fundamentals of Physics, Chemistry, Astronomy, and Earth Science. Math skills will be called upon as force, motion, and energy are investigated. Students will discuss how these are formed and the features that characterize them. Students will also develop an understanding of the relationship of the properties and structure of matter, explore a variety of chemical reactions and their applications to a variety of industries. The class also incorporates topics concerning the physical processes on earth, and the motions, characteristics, and forces in space. Included in the course will be various types of labs and demonstrations. This course meets the Minnesota physics/chemistry graduation requirement.

## **RR 13102A & 13102B**

## **HONORS INTRO TO PHYSICS AND CHEMISTRY**

**1 Credit**

Honors Intro To Physics and Chemistry is a course designed for students who are interested in taking AP Biology, CIS/CEP Chemistry, Physics, and/or Anatomy/Physiology as 11th or 12th graders. One of the main goals of this class is to offer opportunities for students to develop the critical thinking and problem solving skills necessary to succeed in advanced sciences. Students will also learn reading, writing, studying, and test taking strategies. This is a rigorous course that will require some independent learning and work outside of class. This course meets the Minnesota physics/chemistry graduation requirement.

## **SCI 1344**

## **ASTRONOMY**

**.5 Credit**

Astronomy is one of the oldest sciences and one of the most modern. Tens of thousands of years ago, humans used the positions of the stars to determine when to move from one location to the next to find food. Today we are using very sophisticated tools to look further into space and further into the past. Topics in this course will include, but will not be limited to, the following: The History of Astronomy, The Solar System, Stars and Galaxies, Cosmology, and The Space Program.

## **SCI 1326A & 1326B**

## **ENVIRONMENTAL SCIENCE**

**1 Credit**

Environmental Science is a year-long course designed to show thematic connections between a variety of science disciplines including biology, chemistry, and physics. It gives students a coherent and realistic picture of the applications of a variety of scientific concepts as they manifest in our environment. Topics studied throughout the course of the year include: Earth's environmental systems, human population, environmental health, urbanization, forestry and resource management, soil and agriculture, mineral resources and mining, water resources, the atmosphere, global climate change, nonrenewable and renewable energy, and waste management. and their impact on the environment, Earth's resources, climate change, energy, and waste management. The goal of this course is to increase students' knowledge of the environmental challenges of today, while continuing to cultivate scientific critical thinking skills.

## **SCI 1348**

## **ZOOLOGY**

**.5 Credit**

Zoology is the study of animal life. We will study the general principles of zoology including animal anatomy, reproduction, genetics, habitats and distributions, as well as animal behavior. Outreach with local farmers will be utilized in this course. Taken with Ecology this will fulfill one year of required science credit.

## **RR 13200A & 13200B**

(Required unless taking AP)

## **BIOLOGY**

**10-12 • 1 Credit**

Principles of Biology is designed to give the student an introduction to the methods of science, and the beginning chemistry needed for an understanding of biology, principles of cellular biology, genetics, and an overview of organisms making up the five kingdoms and the life processes of these organisms. Included in the course will be various types of labs, demonstrations and dissections.

## RR 13202A & 13202B

### AP A.P. BIOLOGY

10-12 • 1 Credit

Advanced Placement Biology (A.P. Biology) is designed to be the equivalent of a college introductory biology course. This course differs significantly from the usual first-year course with respect to the textbook which is used, the range and depth of topics covered, the kind of laboratory work performed, and the time and effort required by the student. Three general areas will be covered: molecules and cells, genetics and evolution, organisms and populations.

## RR 13310A & 13310B



### FOOD SCIENCE

11-12 • 1 Credit

What is in the food you eat? In this Food Science course, we will learn about chemistry and the chemistry of foods, using scientific methods. Topics include: Matter, chemical formulas, equations, chemical naming, the study of the periodic table. Through experiments with yeasts, heat, liquid, etc., students plan and implement lab experiments to study the relationships among science, food, and nutrition. Basic laws of chemistry are applied to the production, processing, preservation, and packaging of food. This is a CTE (Career and Technical Education) course, so students will learn about careers related to food and science.

**This course satisfies the graduation requirement for Chemistry.**

## SCI 1330A & 1330B

(CHEM 1511)



### FUND OF COLLEGE CHEMISTRY

11-12 • 1 Credit

(4 college credits)

This course covers the basic principles of chemistry from a conceptual and practical viewpoint with an emphasis on problem solving. Topics generally include organization of matter, language of chemistry, phases of matter, solutions and their behavior, acids and bases, chemical reactions, and organic chemistry. This course is designed as a survey of chemistry for students interested in an exposure to the content of the science of chemistry and an introduction to laboratory science classes. This course is designed for students who are preparing for a career in science; examples of these careers include engineering, medicine, and forestry. This course is intended to fulfill general education (natural science), Minnesota Transfer Curriculum (MNTC), requirements. Students enrolled in this course for concurrent enrollment will earn 4 college credits upon completion.

**NOTE: See CIS enrollment information**

## SCI 1334A & 1334B

(PHYS 1555)



### FUND OF COLLEGE PHYSICS

11-12 • 1 Credit

(4 college credits)

This course covers the basic principles of physics from a conceptual and practical viewpoint, with an emphasis on algebraic problem solving. Topics generally include motion, forces, energy, waves and sound, fluids, heat, electricity and magnetism, and light. Modern physics (quantum mechanics, black holes, particle accelerators, astrophysics) will also be addressed throughout the year. Students will have the opportunity teach a physics lesson to an elementary school classroom as a final exam requirement each semester, and will attend ValleyFair's Science and Physics Days in Shakopee, MN in the spring as part of their year-end-project. The course is a survey of physics for students interested in an exposure to the subject of physics and an introduction to laboratory science classes. This course is designed for "science major" students who are preparing for a career in Science, Technology, Engineering, or Math (STEM); examples of STEM careers include engineering, medicine, architecture, computers, and forestry.

**NOTE: See CIS enrollment information**

## RR 13300A & 13300B

### HIGH SCHOOL CHEMISTRY

11-12 • 1 Credit

This course covers the basic principles of chemistry from a conceptual and practical viewpoint. Topics generally include organization of matter, language of chemistry, phases of matter, solutions and their behavior, acids and bases, chemical reactions, and organic chemistry. This course is designed as a survey of chemistry for students interested in an exposure to the content of the science of chemistry and an introduction to laboratory science classes.

## SCI 1332A & 1332B

(BIOL 2551)



## HUMAN ANATOMY

11-12 • 1 Credit

(4 college credits)

### **[Prerequisite: Biology or AP Biology]**

Human Anatomy is now a project based course! It is a higher-level life science elective course for students in grades 11 & 12. Major elements of the course include an in depth study of human systems based on student chosen and directed projects/research. Lab experiences vary, but include dissections, blood typing, microscope usage, and anatomical study. This is an excellent course for those students who are considering a medical field in the future.

**NOTE: See CIS enrollment information**

# SOCIAL STUDIES COURSES

## RR 14100A & 14100B

(Required)

## SOCIAL STUDIES FOUNDATIONS

9 • 1 Credit

In this course students will explore the three social studies areas of geography, civics, and economics. This course will also focus on current issues. Being informed about current topics helps one become a better citizen and consumer.

## RR 14200A & 14200B

(Required)

## WORLD HISTORY

10 • 1 Credit

In World History we will utilize historical themes and skills to explore and analyze everything from the beginnings of civilizations to modern issues. We will learn about the key players, cultures, locations, causes, effects, and the lasting impacts of historical events that have shaped the world. Learners will find that world history encompasses everything in life as it's the story of us all. Learn and become an informed citizen of our very interdependent world!

## SOC 1468

## MINNESOTA HERITAGE

10-12 • .5 Credit

This course will cover all things Minnesota. Topics will include early native cultures, current culture, and everything in-between. Learn about Minnesota in a variety of ways and discover the rich history of our great state. This class will prepare you to experience Minnesota to the fullest. Newbies to diehards welcome. See More Here: [https://drive.google.com/open?id=1PAeA--e61tDK\\_Y95Wu9bBY-GNS\\_VtLeg](https://drive.google.com/open?id=1PAeA--e61tDK_Y95Wu9bBY-GNS_VtLeg)

## SOC 1460

## SOC 1462

(HIST 1565 & 1566)



## AMERICAN HISTORY I

## AMERICAN HISTORY II

11 • .5 Credit

11 • .5 Credit

(8 college credits)

**Those taking these courses for college credit will receive 2 high school credits.**

American History I & II may be taken in place of the traditional 11th grade United States History course.

American History I & II may be taken by seniors as an elective credit.

American History I & II is a concurrent enrollment course that will focus on the in-depth study, analysis and discussion of the major personalities, events, and ideas from Reconstruction to the present. A variety of source materials will be used. These include the text, lectures, primary sources, videos, pamphlets, and research. Students will also be required to complete 4 research projects during the year.

**NOTE: See CIS enrollment information.**

## SOC 1440A & 1440B

(Required Unless Taking CIS American History I & II)

## US HISTORY

11 • 1 Credit

United States History is a survey course covering social, economic, and political development of the United States from Exploration and the Colonial Era to the present. Special emphasis will be given to the Civil War and Reconstruction, Industrialization, Reform Movements, Foreign Policy, World War I & II, The Great Depression, Civil Rights, and the current issues of the day.

## SOC 1471A & 1471B

## AP A.P. PSYCHOLOGY

11-12 • 1 Credit

This course offers students an engaging introduction to the essential topics in psychology. Throughout this study of human behavior and the mind, you will explore current theories and issues in areas of cognition, sensation and perception, consciousness (including sleep and dreams), motivation, memory, personality types, relationships, and mental health disorders. Rather your headed to college and want to get a jumpstart on your credits or you are just curious about what makes you, you; this class will be the equivalent of a college level class and should only be taken by serious students with an interest in the world of psychology.

## SOC 1472

## SOCIOLOGY

11-12 • .5 Credit

Students in this class will learn about human behavior and social relationships. The class will cover topics such as culture, social interactions, groups and organizations, social change, issues in our current society, and much more! Students taking this class will gain a better understanding of society and learn how different factors mold us into who we are.

## SOC 1467

## AP A.P. ECONOMICS

12 • .5 Credit

AP Economics will be an advanced economics class for seniors wishing to take an in depth look at the world of economics. This will be a class that will focus on macro and micro economic concepts and give the students a chance to see how the study of economics relates to the United States and the World. Students will explore different economic systems and models and be able to use this class to enhance their understanding of all business related topics and principles.

**This class will be the equivalent of a college level class and should only be taken by serious students with an interest in the world of business and economics.**

## SOC 1465

## AP A.P. UNITED STATES GOVERNMENT & POLITICS

12 • .5 Credit

This course gives students a perspective on government and politics in the United States. It includes both the study of general concepts used to interpret US Government and Politics and the analysis of specific examples. Students will gain familiarity with the various institutions, groups, beliefs, and ideas that constitute US Government and politics.

## SOC 1452

## ECONOMICS

12 • .5 Credit

**(Required Unless Taking AP Economics)**

This is a basic economics class where students will be exposed to economic principles and theory. They will gain an understanding of the current economic systems, practices, principles, and theory which apply to the U.S. and foreign economies. Students will be exposed to the different types of economic and business systems that contribute to our economy. Students will also gain an understanding of microeconomics and consumer economics. All students will gain valuable information that will benefit them financially and economically in the next stage of their life.

## SOC 1450

## GOVERNMENT

12 • .5 Credit

**(Required Unless Taking AP Gov't)**

Government will provide students with a solid background in American Government. During the semester, the focus will be on developing student skills and knowledge in the area of American citizenship. Constitutional principles, individual rights and responsibilities, and formal and informal political structures will be investigated. A second component to Government will be current events that compliment the study of American government. Throughout the year, a continual study of videotaped and printed current events is maintained with a strong emphasis on U.S. and Minnesota affairs to illustrate the federal and state governments at work.

# SPEECH COURSES

RR 15500



## COLLEGE PUBLIC AND PROFESSIONAL SPEAKING

11-12 • .5 Credit  
(3 College Credits)

In this college level course, students will be introduced to the basic writing and speaking process of invention, organization, drafting, revision, editing, and presentation. Learners will write and present various types of speeches using appropriate materials and communication choices for specific audiences. Participants will learn how to construct logical arguments and use classic rhetorical devices for persuasion. Learners will also explore the role of listening, responding, and critical thinking in group projects. Lastly, learners can expect to develop self confidence in their ability to communicate in the classroom, in public, and in the professional world.

This course is designed to meet the MN Transfer Curriculum goal area 1: Communication.

**NOTE: See CIS enrollment information.**

SPCH 2200

## SPEECH

10-12 • .5 Credit

(Required for students graduating in 2022 & 2023)

This course focuses primarily on the fundamentals of effective communication, as well as skills in speaking, listening, and media literacy. Students will have the opportunity to develop and strengthen skills in preparing and presenting oral presentations in a variety of situations. They will learn how to research, outline, and deliver short, informal presentations, as well as sharpen skills in critical listening and evaluating. This course aims to provide students with a basic background in the theories and principles of public speaking, as well as practical experience with the basic types of speeches.

# WORLD LANGUAGE COURSES

While not all colleges require language for admission, more and more are doing so. Two years of a single world language is considered the minimum requirement at these colleges. If you plan to attend a 4 year college or university, it is recommended that you complete three years of a world language.

## RR 18200A & 18200B

### GERMAN I

1 Credit

German I is an introduction to the German language and culture. Students will acquire the German language using comprehensible language in class discussions, stories, and cultural explorations. Students will start by developing listening and reading skills that will lead into speaking and writing skills, all the while learning about the fascinating Germanic culture.

**Students will also have the opportunity to participate in a three-week exchange to Germany every other year.**

## RR 18225 & 18225B

### GERMAN II

10-12 • 1 Credit

[Prerequisite: German I]

In German II, students will continue to develop the skills needed to communicate in German through more extensive vocabulary and grammatical concepts. Stories, real world materials and class activities are designed to allow students to acquire the language through comprehensible input.

**Students will also have the opportunity to participate in a three-week exchange to Germany every other year.**

## RR 18250A & 18250B

### GERMAN III

11-12 • 1 Credit

[Prerequisite: German II]

German III is a continuation of German II with further development of listening, speaking, reading, and writing skills.

**Students will also have the opportunity to participate in a three-week exchange to Germany every other year.**

## RR 18300A & 18300B

### OJIBWE I

1 Credit

**This class will be received via an electronic Telepresence course and use an online platform of learning in addition to direct instruction received via television capabilities.**

Instructor: Tim Vollum

Sending District: International Falls

Beginning Ojibwe I utilizes real time classroom instruction via telepresence or online connectivity. Curriculum emphasis is on speaking, understanding, reading and writing of the language building on grammar patterns and TPR (acting/total physical response). It is based on ACTFL.org/MN standards of world language teaching. The Double Vowel system of writing/orthography is used. The student will utilize classroom lessons and interactive online educational tools/apps to practice, create and voice language lessons (Quizlet, Skype, Voki, YouTube, Google Tools, etc). Regional study of Native history and contemporary events and cultural practices in the Lake Superior's Circle of Seasons are included. Artistic design and community outreach as it relates to functional daily living and language is also explored in the second year.



**Not offered in 21-22 because no students enrolled in Ojibwe 1 in 20-21**

This class will be received via an electronic Telepresence course and use an online platform of learning in addition to direct instruction received via television capabilities.

Instructor: Tim Vollum

Sending District: International Falls

[Prerequisites: Ojibwe I]

Ojibwe II utilizes classroom instruction via telepresence or online connectivity. Curriculum emphasis is on building novice to intermediate speaking, understanding, reading and writing of the language; building on grammar patterns and TPR (acting/total physical response). It is based on ACTFL.org/MN standards of world language acquisition. The student will utilize lessons and interactive tools/apps to practice, create and voice language lessons (Quizlet, Skype, Voki, Audacity, YouTube, Google Tools, etc). Topics such as grammar patterns for four (4) verb types and inanimate and animate beings expand on year one. Woodland design, games, community outreach, storytelling and cultural topics as they relates to contemporary daily living and language are included.

**RR 18100A & 18100B****SPANISH I****1 Credit**

Spanish I is an introduction to the Spanish language and culture. Students will acquire the Spanish language using comprehensible language in class discussions, stories, and cultural explorations. Students will start by developing listening and reading skills that will lead into speaking and writing skills, all the while learning about the rich culture of the Spanish-speaking world.

**RR 18125A & 18125B****SPANISH II****10-12 • 1 Credit**

[Prerequisite: Spanish I]

In Spanish II, students will continue to develop the skills needed to communicate in Spanish through more extensive vocabulary and grammatical concepts. Stories, real world materials and class activities are designed to allow students to acquire the language through comprehensible input.

**RR 18150A & 18150B****SPANISH III****11-12 • 1 Credit**

[Prerequisite: Spanish I & II]

Spanish III is a continuation of Spanish II with further development of listening, speaking, reading, and writing skills.

# NON CREDIT BEARING COURSES

## **INDIAN EDUCATION**

### **1008A & 1008B**

9th-12th grade students can elect to take two study hall periods (one each semester).

The purpose of Indian Education is similar to that of a study hall. It is extra time during the day to work on homework or study for tests as well as receive additional cultural awareness. Students have access to iPads and computers as well as the resource center when necessary.

## **STUDY HALL**

### **RR 17000A & 17000B**

9th-12th grade students can elect to take two study hall periods (one each semester).

The purpose of study hall is find extra time during the day to work on homework or study for tests.

Students have access to iPads and computers as well as the resource center when necessary.

The study hall supervisor will work independently with students as necessary.

Some 9-12 grade students elect to sign out of study hall to other areas within the school building. Students will be required to be passing their courses, earning a 2.5 g.p.a, attending school regularly, maintain consistent and appropriate behaviors and have a parent signature on file to do so. Those on athletic ineligibility due to grades must report to study hall. Students who get a pass revoked will be required to stay in study hall for the remainder of the quarter.

Some students elect to sign out of the building during their study hall. This is only open to 11th and 12th grade students that earned a 3.0 g.p.a or higher from the previous marking period. Students will be required to be passing their courses, attending school regularly, maintain consistent and appropriate behaviors and have a parent signature on file to do so. Those on athletic ineligibility due to grades must report to study hall. Students who get a pass revoked will be required to stay in study hall for the remainder of the quarter.

# SPECIAL EDUCATION COURSES

All Special Education students can take any of the electives offered within this course catalog.

This section includes other resource room based courses offered only to students that qualify.

Special services are provided to children (birth - 22) with the following handicapping conditions: Early Childhood Special Education, Autism Spectrum Disorders, Deaf-Blind, Emotional or Behavioral Disorders, Deaf and Hard of Hearing, Developmental Cognitive Disability, Other Health Disabilities, Physically Impaired, Severely Multiply Impaired, Specific Learning Disability, Speech or Language Impairments, Traumatic Brain Injury, Visual Impairment, Development Adaptive Physical Education.

The education program and services that each child requires is based on an assessment or evaluation. If the student meets the criteria for special education and is in need of special education services, a comprehensive Individual Educational Plan (IEP) or Individual Interagency Intervention Plan (IIIP) is then written which includes the results of the evaluation, student needs, goals and objectives set by the team, services to be provided, and times and frequency of progress reports.

## SPECIAL EDUCATION RESOURCE ENGLISH COURSES

### **ENG 2562A & 2562B**

### **FUNCTIONAL ENGLISH**

**IEP Determined**

Functional English I is a course developed for high school students who are currently on an IEP. This class teaches skills in the following sub domains: alphabetic principle, concept of word, visual discrimination, phonics, structural analysis, vocabulary, sentence level comprehension, phonemic awareness, paragraph level comprehension and early numeracy. It includes concepts such as: taking information directly from the text, making inferences, summarizing key details, character development, plot, basic writing skills and interpretation of words in context. Case manager approval is required for students with a current IEP to register.

### **ENG 2564A & 2564B**

### **INTERMEDIATE ENGLISH**

**IEP Determined**

Intermediate English I is a course developed to bridge and support transitioning into the junior high and high school English classroom settings. Students selecting this course will be on an IEP and will need case manager approval. This class teaches the process and skills a student needs to become an independent learner when in the classroom setting. It includes concepts such as: Key Details, Themes, Characters, Point of View, Compare and Contrast, Drawing conclusions, Perceiving Relationships, Making Judgements, Predictions, Sequencing Logical Connections, Drawing Conclusions, reading in the content Areas, Vocabulary and Decoding, Research and Study Skills. Case manager approval is required for students with a current IEP to register.

### **ENG 1111A/1111B**

### **RESOURCE ENGLISH I**

**IEP Determined**

Resource English I is our level 1 English course developed for students who are currently on an Individualized Educational Plan (IEP). This course focuses on developing skills in the areas of reading, writing and speaking through various types of literature including short stories, novels and non fictions articles. Students will explore several genres and work to strengthen their reading skills, develop vocabulary and improve comprehension and identification of literary elements. Students will develop writing skills through creative writing, book reviews and journaling to make connections to literature and to reflect on personal experience. Case manager approval is required for students with a current IEP to register.

## **ENG 1112A/1112B**

## **RESOURCE ENGLISH II**

**IEP Determined**

Resource English II is our level 2 English course developed for students who are currently on an Individualized Educational Plan (IEP). This course concentrates on reading, writing, vocabulary, mechanics, usage and grammar. Special emphasis is placed on improving literacy through strong core of reading and writing practice. Students will take the state reading test in the spring. Case manager approval is required for students with a current IEP to register. Some students will take this in place of English 7/8 and some students will take this as a replacement for English 9/10.

## **ENG 1113A & 1113B**

## **RESOURCE ENGLISH III**

**IEP Determined**

Determined Resource English Sr High III is an English course developed for students who are currently on an Individualized Educational Plan (IEP). Case manager approval is required for students with a current IEP to register.

## **ENG 1124A & 1124B**

## **CO-TAUGHT EXPLORING LIT. & PROFESS. SPEAKING**

**IEP Determined**

Co-Taught Exploring Literature & Professional Speaking is a course that is taught by both a licensed English teacher and a licensed special education teacher. The focus of this ELA course is developing skills in the areas of reading, writing, and speaking through various types of literature, including short stories, novels, and nonfiction text. Students will explore several genres and work to strengthen their reading skills and develop their vocabulary. They will make connections among ideas and between texts and consider a wide range of textual evidence. Students will develop writing skills in areas including persuasion, explanatory texts, and narratives, along with reflection to make connections to literature and to reflect on personal experiences. A strong emphasis is placed on practicing public and professional speaking.

## **ENG 1175**

## **CO-TAUGHT MEDIA STUDIES**

**IEP Determined**

Co-Taught Media Studies is a course that is taught by both a licensed English teacher and a licensed special education teacher. Turn off that YouTube, take out those earbuds, put down your cell phone, and join this class for a unique learning experience. As our world becomes increasingly “plugged in,” we are exposed to a greater variety of media in its ever-expanding forms. In this class you will improve your media literacy skills by examining the effects media has on us as individuals and as a society. We will closely analyze various forms of audio, print, photographic, broadcast, cinematic, and digital media in order to evaluate how its institutions both inform and persuade their audiences. Through reading and writing practices, big questions will be raised and discussed about the importance and ethics of media as it works to both connect and divide us. We will work collaboratively and creatively to produce media that effectively communicates ideas and meets the demands of the ever-changing professional world.

## **ENG 1179**

## **CO-TAUGHT YOUNG ADULT FICTION**

**IEP Determined**

Co-Taught Young Adult Fiction is a course that is taught by both a licensed English teacher and a licensed special education teacher. Young Adult fiction features characters ages 12-18 who are experiencing the same conflicts, struggles, and decisions that you are. Some examples of YA fiction are The Hunger Games, The Hate You Give, The Fault in Our Stars, and The Giver. YA fiction includes all genres of fiction such as realistic, historical, sci/fi, and fantasy. This course can help you make sense of the world around you and help you find your place in the world. In this elective course, you will read YA novels, watch their movie versions, discuss artistic choices, write reflectively and creatively, and create multimedia projects.

\*The titles above are merely examples, and will not necessarily be studied in this course.

# SPECIAL EDUCATION RESOURCE MATHEMATICS COURSES

## **MATH 2573A & 2573B**

## **RESOURCE FUNCTIONAL MATH**

**IEP Determined**

Resource Functional Math is a course developed for students who are currently on an IEP. This class teaches math skills and provides a foundation for the skills to be applied to solve real-world problems. This class includes concepts from the standards-based areas of Number sense, computation, algebra and functions, geometry, measurement, and problem-solving. Examples of skills taught are one-to-one correspondence, number recognition, grouping objects by attributes, comparing/contrasting by size, patterns, and relating time to events with pictures and symbols. Case manager approval is required for students with a current IEP to register.

Typically, students in Functional Math either do not participate in the district STAR assessment and/or achieve below a 333.

## **MATH 2576A & 2576B**

## **RESOURCE INTERMEDIATE MATH**

**IEP Determined**

**This course is not offered in 21-22, it may be offered again in 22-23**

Resource Intermediate Math is a course developed for students who are currently on an IEP. This class teaches the process of math skills and provides a foundation for the skills to be applied to solve real-world problems. This class includes concepts such as skip counting, operations (+, -, x, /), understanding time, telling time, money, measurement, representing and comparing whole numbers, identifying and comparing decimals and fractions, operations (+, -, x, /), problem-solving, collecting/ interrupting data, using patterns/ tables/ graphs to solve problems, understanding equations using a variable, describing geometric shapes, describing and classifying polygons, and describing and classifying 3 dimensional figures reading and comparing integers, calculating operations using integers, recognizing relationships, using patterns/tables/graphs to solve problems, solve equations with variables, represent and use probabilities, calculating perimeter and area of 2-dimensional figures, understand change of scale, translations and reflections on 2-dimensional figures, and using appropriate units of measurements. Case manager approval is required for students with a current IEP to register.

Typically, students in Intermediate Math achieve between a 334-539 on the district STAR assessment.

## **MATH 1299A & 1299B**

## **EVERYDAY MATH**

**IEP Determined**

Everyday Math is a course developed for students who are currently on an IEP. This class teaches math skills and provides a foundation for the skills to be applied to solve real-world problems. This class includes concepts from the standards-based areas of Number sense, computation, algebra and functions, geometry, measurement, and problem-solving. Examples of skills taught are understanding that clocks and calendars are tools that measure time, making direct comparisons of length, capacity, weight, the temperature of objects, and recognize which object is shorter, longer, taller, lighter, heavier, warmer, cooler or holds more, representing, comparing, and interpreting data using pictures and picture graphs and understanding the value of money and its use. Case manager approval is required for students with a current IEP to register.

Students taking the MCA must be concurrently enrolled in another math course.

## **MATH 1295A & 1295B**

## **RESOURCE MATH I**

**IEP Determined**

Resource Math I is a course developed for students who are currently on an IEP. This class teaches math skills and provides a foundation for the skills to be applied to real world problems. This class includes concepts such as: representation of whole numbers, using addition, subtraction, multiplication and division to solve real world problems, comparing & ordering fractions with common denominators, identify parallel and perpendicular lines, calculating perimeter, collect and organize data, classifying angles, read and write decimals, interpret bar graphs, pictographs and tally charts. Case manager approval is required for students with a current IEP to register.

Typically, students in Resource Math 1 achieve between a 540-677 on the district STAR assessment.

## **MATH 1296A & 1296B**

## **RESOURCE MATH II**

**IEP Determined**

Resource Math II is a course developed for students who are currently on an IEP. This class teaches math skills and provides a foundation for the skills to be applied to real world problems. This class includes concepts such as: Divides multi-digit numbers, add and subtract fractions and decimals, translate patterns and rules, apply commutative and associative properties, understand inequalities, classify for three-dimensional figures, create ratios and basic conversions among units within a measurement system. Case manager approval is required for students with a current IEP to register.

Typically, students in Resource Math 2 achieve between a 678-739 on the district STAR assessment.

## **MATH 1297A & 1297B**

## **RESOURCE MATH III**

**IEP Determined**

Resource Math III is a course developed for students who are currently on an IEP. This class teaches math skills and provides a foundation for the skills to be applied to real world problems. This class includes concepts such as: Recognize rational numbers in various forms and convert between forms, compare positive and negative rational numbers, solve linear equations, calculate slope, find the equation of a line, use properties of algebra, use formulas to calculate area and circumference of circles, calculate probability, recognize a linear function, solve equations and inequalities using algebraic properties, factor polynomials and apply the Pythagorean Theorem to solve problems. Case manager approval is required for students with a current IEP to register.

Typically, students in Resource Math 3 achieve between a 740-775 on the district STAR assessment.

## **MATH 1226A & 1226B**

## **CO-TAUGHT INTERMEDIATE ALG I**

**IEP Determined**

Co-Taught Intermediate Alg I is a course that is taught by both a licensed Math teacher and a licensed special education teacher.

Co-Taught Intermediate Algebra I will include an algebraic introduction that builds upon the concepts taught in 8th Grade Algebra.

Intermediate Algebra I will include an algebraic introduction that builds upon the concepts taught in Introductory Algebra. Students will be working with real numbers, solving equations and problems, polynomials, factoring polynomials, algebraic fractions, applying fractions, introduction to functions, systems of linear equations, inequalities, rational and irrational numbers, and finally, quadratic functions.

Typically, students in Co Taught HS Algebra I achieve between a 717-911 on the district STAR assessment.

## **MATH 1241A & 1241B**

## **CO-TAUGHT ALGEBRA II**

**IEP Determined**

**This course is not offered in 21-22, it may be offered again in 22-23**

Co-Taught Algebra II is a course that is taught by both a licensed Math teacher and a licensed special education teacher. This is the second course in high school algebra. Topics covered include solving equations and inequalities including linear, quadratic, polynomial, inverse, absolute value, and exponential. Other topics include solving systems of equations; simplifying rational, irrational, imaginary, and complex expressions; logarithms, and probability and statistics.

Typically, students in Co Taught HS Algebra II achieve between a 763-938 on the district STAR assessment.

## **MATH 1227A & 1227B**

## **CO-TAUGHT GEOMETRY**

**IEP Determined**

Co-Taught Geometry is a course that is taught by both a licensed Math teacher and a licensed special education teacher. In Co-Taught Geometry emphasis is placed on deduction, but significant roles of induction and intuition are also stressed. Linear, angular, surface and volumetric, and quantities of 1, 2, and/or 3 dimensional geometric forms are compared and/or calculated. The line, plane, and space are coordinated; and elementary methods of analytical geometry are introduced. Solid geometry is integrated with plane geometry throughout the course.

## **MATH 1272A & 1272B**

## **CO-TAUGHT SENIOR HIGH MATH TOPICS**

**IEP Determined**

Co-taught Senior High Math Topics will help you review and learn important concepts and skills related to high school mathematics. the course will include a wide variety of algebraic, geometric and trigonometric topics that will help students increase their skills in preparation for future post-secondary entrance exams.

## STUDY SKILLS & TRANSITION COURSES

### RES 2456A & 2456B

### WORK EXPERIENCE

IEP Determined

[Prerequisite/Co-Requisite: Career Seminar]

Work Experience 9-12 is a course developed for high school students who are currently on an IEP. This class will have the student experience what a job will be like as they transition out of High School. In this course students will learn the importance of appearance, good worker habits, communication skills, and other job related skills. Case manager approval is required for students with a current IEP to register.

### RES 2459A & 2459B

### RESOURCE ORGANIZATION & STUDY SKILLS/ POST SECONDARY READINESS

10-12 • 1 Credit

Resource Organization and Study Skills is a course developed for high school students who are currently on an IEP. This class focuses on work related skills such as being responsible, being prepared, using time wisely, planning for tests, and using technology. This course provides students time to complete classroom assignments and creates a foundation for success in future classes. Case manager approval is required for students with a current IEP to register.

## SPECIAL EDUCATION SCIENCE COURSES

### SCI 1325A & 1325B

### CO-TAUGHT INTRODUCTION TO PHYSICS

IEP Determined

Co-Taught Introduction to Physics is a course that is taught by both a licensed Science teacher and a licensed special education teacher. Co-Taught Introduction to Physics is a full-year course that investigates the fundamentals of Physics, Chemistry, Astronomy, and Earth Science. Math skills will be called upon as force, motion, and energy are investigated. Students will discuss how these are formed and the features that characterize them. The class also incorporates topics concerning the physical processes on earth, and the motions, characteristics, and forces in space. Included in the course will be various types of labs, demonstrations, and dissections.

### SCI 1390A & 1390B

### SCIENCE LAB

IEP Determined

Science Lab is a Science Course developed for students who are currently on an Individualized Educational Plan (IEP). Case Manager approval is required for students with a current IEP to register. Some students will take this in addition to Science and seem students will take this as a replacement for Science.

## SPECIAL EDUCATION SOCIAL STUDIES COURSES

### SOC 1433A & 1433B

### CO-TAUGHT WORLD HISTORY

IEP Determined

Co-Taught World History is a course that is taught by both a licensed Social Studies teacher and a licensed special education teacher. Co-Taught World History is a year-long required course that explores the key events and global historical developments that have shaped the world we live in today. The scope of World History 10 covers a wide range of topics across all aspects of the human experience: economics, science, religion, philosophy, politics & law, military conflict, literature & the arts. This course will illuminate connections between our lives and those of our ancestors around the world. Students will use their iPads and skills of historical and geographical analysis to broaden their horizons and expand their worldly knowledge.

**SOC 1403A & 1403B****CO-TAUGHT U.S. HISTORY****IEP Determined**

Co-Taught US History is a course that is taught by both a licensed Social Studies teacher and a licensed special education teacher. United States History is a survey course covering social, economic, and political development of the United States from Exploration and the Colonial Era to the present. Special emphasis will be given to the Civil War and Reconstruction, Industrialization, Reform Movements, Foreign Policy, World War I & II, The Great Depression, Civil Rights, and the current issues of the day.

**SOC 1405****EVERYDAY SOCIAL STUDIES****IEP Determined**

Everyday Social Studies is a course developed for students who are currently on an IEP. This class teaches skills based on the Minnesota social studies standards. Minnesota social studies standards include concept areas of citizenship & government, economics, geography, and history. This course will also work to develop skills in communication, problem-solving, inquiring, and critical thinking. Case manager approval is required for students with a current IEP to register.

**SPECIAL EDUCATION LIFE SKILLS COURSES****RES 2553A & 2553B****RESOURCE RECREATION & LEISURE****IEP Determined**

This course focuses on teaching students how to choose appropriate recreation and leisure activities independently. The purpose is to help students identify activities that they enjoy doing, be able to locate them in the community, and participate in them independently. In addition to these activities, individual student personal cares may be attended to during these hours.

**RES 2450A & 25450B****RESOURCE LIFE SKILLS****IEP Determined**

Resource Life Skills is a course focused on the daily living skills students need to gain to prepare for increased independence. Skills such as hygiene, basic cooking, and other life skills.



# SPECIAL CIRCUMSTANCES

## **Work Permits**

Work permits may be available for students in grades 11-12 that are making satisfactory progress towards graduation and have an available study hall. Permission will be granted solely by the building principal.

## **Credit Recovery**

Credit recovery opportunities are utilized for students that have taken a course, but did not earn credit for any reason including a failing grade or loss of credit due to extensive absenteeism. These opportunities are not available for students that are trying to replace a course or earn credits more quickly.

Students may be eligible for additional credit recovery opportunities after school or during the traditional school day through supplemental online programs. Students should see their counselor for support in making credits up. Generally, the following practices will be in place for most students.

## **Summer School**

Students may be eligible for up to 1 credit (2 semester courses).\*

## **Night School**

Students may be eligible for up to 1 credit (2 semester courses).\*

This is held at the Northland Learning Center.

## **OdysseyWare, MSC Online, and MnInfinity Online**

Students may become eligible to utilize online options if summer school and night school options have been utilized and a student cannot fit the needed course into their traditional school schedule. Unnecessary electives may need to be dropped to fit a traditional course into a student's schedule.

If a student has failed a traditional course two different times, OdysseyWare may become available. Students in a credit recovery course will need to remain on campus when taking the class.

In rare and special circumstances, other options may be available by speaking with your school counselor.