

# 2018-2019

## COURSE DESCRIPTION BOOKLET

GRADES 9 – 10 – 11 – 12





# VIRGINIA HIGH SCHOOL

Registration Overview  
Student Athletes College Planning

Page 4-5

# VIRGINIA HIGH SCHOOL

All students in grades 7-12 will be required to enroll in six courses with the option to take only 1 study hall 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. **All students will register for 14 semester sections-2 of which may be study halls [one each semester] plus four additional alternative courses.**

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 2018-2019!

## COUNTING CREDITS

Virginia High School operates on a 7 period day, with the school year divided up into 4 quarters, or 2 semesters. Each semester course successfully completed by a student earns 1/2 credit towards the number of credits necessary to graduate. Students must complete both required credits and elective credits to graduate. Details are listed below under the heading “Graduation Requirements”. A student cannot take more than 14 credits in a year unless they are credit deficient. A student must attain a minimum of 6 credit bearing classes each semester. Please note that some college courses are one credit per semester. See the included table.

## 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. All students need to register for 7 classes each semester (14 for a full year) plus an additional two alternative options (4 for a full year).

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 6 academic courses a semester

Some schedule changes require the signature of a parent. In addition, schedule changes made on or after the fourth day of the quarter must have a signature from the teacher of the class to be dropped and the class to be added as well as a parent/guardian signature. Students who drop a course after the 4th week shall 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 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 ACT or SAT score that matches your core-course GPA.

## CORE COURSES

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.

<b>ENGLISH</b>	<b>NATURAL/ PHYSICAL SCIENCE</b> (including one year of lab science, if offered)	<b>MATH</b> (Algebra I or higher)	<b>SOCIAL SCIENCE</b>	<b>ADDITIONAL</b> (English, math or natural/physical science)	<b>ADDITIONAL</b> (English, math, natural/physical science, social science, foreign language, comparative religion or philosophy)
4 years	2 years	3 years	2 years	1 year	4 years

### DIVISION II

<b>ENGLISH</b>	<b>NATURAL/ PHYSICAL SCIENCE</b> (including one year of lab science, if offered)	<b>MATH</b> (Algebra I or higher)	<b>SOCIAL SCIENCE</b>	<b>ADDITIONAL</b> (English, math or natural/physical science)	<b>ADDITIONAL</b> (English, math, natural/physical science, social science, foreign language, comparative religion or philosophy)
3 years	2 years	2 years	2 years	3 years	4 years

## GRADE-POINT AVERAGE

The NCAA Eligibility Center calculates your grade-point average (GPA) based 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/playcollegesports](http://ncaa.org/playcollegesports).

## TEST SCORES

Take the ACT or SAT as many times as you want before you enroll full time in college, but remember to list the NCAA Eligibility Center (code **9999**) as a score recipient whenever you register to take a test. If you take a test more than once, send us all your scores and we will choose the best scores from each test section to create your sum score. We accept official scores only from the ACT or SAT, and won't use scores shown on your high school transcript. Remember to apply the College Board concordance table for SAT tests taken in March 2016 and after.

## POST SECONDARY OPTION / CONCURRENT ENROLLMENT OPTIONS

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

PSEO classes are held on the college campus. **The deadline for applying for PSEO is March 30th.**

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 2.5 or greater for seniors.

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. **Students are expected to notify the school of PSEO intentions by March 30th.**





## 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?*

All students must take the Accuplacer exam in both Reading and Mathematics. See each course in the table for specifics on test score requirements. **ACT test sub scores of 24+ may be substituted for Accuplacer test scores with college approval. Students needing the Accuplacer exam or needing a higher score must sign up in the counseling office.**

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

2.5 for Seniors      3.0 for Juniors

*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 or Accuplacer requirements, but still want to take the class?*

A maximum of 50% of the students in the class can take the course for high school credit only. Please see the counselor if you are interested in a high rigor class, but do not meet the requirements. It may be possible to appeal the decision or take it for high school credit only. The ability to appeal rests solely with the colleges.

*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.



## ALI Course Information and FAQ

Courses marked with an ALI logo icon denote courses in which college credit may be attained.

Applied Learning Institute (ALI) courses are collaborative efforts between high schools and community/technical colleges in northeast Minnesota. These courses are designed to bring industry level equipment and experiences that garner college credits and work ready certificates in some courses. Students will utilize relevant equipment, visit work force opportunities, and college to further their education.

*Can anyone sign up for ALI courses?*

Currently, ALI courses are open to juniors and seniors that meet G.P.A. requirements.

*Do I need a certain grade point average to enroll in ALI courses? No!*

*Do I need to apply to the college? No.*

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

Yes, so please consider enrolling in ALI classes CAREFULLY! Grades in ALI 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 ALI classes you choose!



## 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 sophomores (Biology) and seniors (Gov't).

*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!*

Course Name	Course Number	Course PreRequisite	College Credits	High School Credits
AP Biology	SCI 1324A & 1324B	Available in Grad 10 Only	By Exam	1
AP United States Government & Politics	SOC 1465	Available in Grade 12 Only	By Exam	.5

# Earn your AA Degree from Vermillion Community College & a Virginia High School Diploma AT THE SAME TIME!

Students interested in earning a dual degree FOR FREE should talk with their high school counselor and college advisor regularly!  
The courses highlighted in green are offered right at the high school. Students DO NOT need to take all the highlighted courses. Speak with a counselor today to learn more!

**40 CREDITS REQUIRED IN THE LIBERAL ARTS & SCIENCES GOAL AREAS 1-10--60 credits total for AA degree.**  
Courses marked with an asterisk (\*) may count in a maximum of two goal areas, but course credits only count once toward graduation.

## 1. COMMUNICATION (10 CR)

Must complete 2 ENGL and 1 SPCH.

			Credits	Earned	Grade
ENGL	1511	College Composition I	4	4	
ENGL	1512	College Composition II* (9)	3	3	
ENGL	1522	Report Writing	3		
SPCH	1555	Introduction to Speech	3		
SPCH	1565	Interpersonal Communication	3		
SPCH	1575	Intercultural Communication* (7)	3		
<b>CREDIT SUBTOTAL</b>					

## 2. CRITICAL THINKING - MnTC completion fulfills the Goal 2 requirement.

## 3. NATURAL SCIENCES (7 CR)

Must complete at least one 1 lab science.

			Credits	Earned	Grade
BIOL/ESCI	1555	Environmental Science* (10)	3		
ESCI	1559	Meteorology	3		
BIOL	1255	Dendrology and Plant Ecology	3		
BIOL	1541	College Biology I	4		
BIOL	1542	College Biology II	4		
BIOL	1545	Fundamentals of College Biology	4		
BIOL	2455	Limnology	3		
BIOL	2545	Ecology	3		
BIOL	2551	Human Anatomy & Physiology I	4	4	
BIOL	2552	Human Anatomy & Physiology II	4		
CHEM	1511	Fundamentals of College Chemistry	4	4	
CHEM	1551	General Chemistry I	4		
CHEM	1552	General Chemistry II	4		
CHEM	2551	Organic Chemistry I	4		
CHEM	2552	Organic Chemistry II	4		
GEOL	1557	Physical Geology	4		
PHYS	1555	Fundamentals of College Physics	4	4	
PHYS	1581	College Physics I	4		
PHYS	1582	College Physics II	4		
<b>CREDIT SUBTOTAL</b>					

## 4. MATHEMATICS / LOGICAL REASONING (3 CR)

			Credits	Earned	Grade
MATH	1515	Survey of Math	3		
MATH	1521	College Algebra	3		
MATH	1546	Introduction to Statistics	3		
MATH	1555	Trigonometry & Analytic Geometry	3		
MATH	1557	PreCalc: College Algebra & Trig	5	5	
MATH	1581	Calculus I	5	5	
MATH	1582	Calculus II	5		
<b>CREDIT SUBTOTAL</b>					

## 5. HISTORY AND THE SOCIAL AND BEHAVIORAL SCIENCES (6 CR)

Must complete 1 from each group.

			Credits	Earned	Grade
<b>GROUP I</b>					
ECON	1555	Survey of Economics	3	3	
ECON	1556	Principles of Economics-Micro	3		
ECON	1557	Principles of Economics-Macro	3		
HIST	1555	History of Western Civilization I	4		
HIST	1556	History of Western Civilization II	4		
HIST	1585	American History I	4	4	
HIST	1586	American History II	4	4	
HIST	1588	Minnesota History	3		
HIST	1575	World History I* (8)	4		
HIST	1576	World History II* (8)	4		
POLS	1555	Political Ideas & Institutions* (9)	3		
POLS	1556	American Government* (9)	3		
POLS	1557	State & Local Government* (9)	3		
<b>GROUP II</b>					
ANTH	1525	Cultural Anthropology* (8)	3		
ENGL	2565	Film and Society* (8)	3		
PSYC	2551	General Psychology	3	3	
PSYC	2457	Human Sexuality* (7)	3		
PSYC	2558	Intro to Abnormal Psychology* (7)	3		
PSYC	2587	Lifespan Development Psychology	4		
PSYC	2575	Environmental Psychology* (10)	3		
SOC	1451	Introduction to Criminal Justice* (9)	3		
SOC	1452	Crime and Delinquency* (9)	3		
SOC	1555	Introduction to Sociology* (7)	3		
<b>CREDIT SUBTOTAL</b>					

## 6. THE HUMANITIES AND THE FINE ARTS

**OPTION 1 (7 CR) - Complete HUM 1555 and 3 more Goal 6 credits.**

			Credits	Earned	Grade
HUM	1555	Adventures in the Human Spirit	4		

**OPTION 2 (9 CR) - Complete 3 credits from each group.**

<b>GROUP I: Analysis and Criticism - Art or Music</b>					
			Credits	Earned	Grade
ART	1521	Art History I* (8)	3		
ART	1522	Art History II	3		
ART	1525	Art Appreciation* (8)	3		
MUSC	1556	Music Appreciation	3		
MUSC	1558	Music Topics	3		
MUSC	1586	Basic Music Principles	3		
<b>GROUP II: Analysis and Criticism - Literature or Philosophy</b>					
			Credits	Earned	Grade
ANTH	1585	Native American Worldviews* (7)	3		
ENGL	1535	World Literature* (8)	3		
ENGL	1545	Introduction to the Short Story	3		
ENGL	1546	Introduction to the Novel	3		
ENGL	1547	Introduction to Poetry	3		
ENGL	1557	Literature for the Stage	3		
ENGL	1585	English Topics	3		
ENGL	1588	Environmental Literature	3		
ENGL	2535	Survey of British Literature I	3	3	
ENGL	2536	Survey of British Literature II	3	3	
ENGL	2537	Survey of American Literature I	3	3	
ENGL	2538	Survey of American Literature II* (7)	3		

## 7. HUMAN DIVERSITY (3 CR)

			Credits	Earned	Grade
ANTH	1515	Introduction to Indian Studies	3		
ANTH	1565	Native American Worldviews* (8)	3		
ENGL	2538	Survey of American Literature II* (8)	3	3	
ENGL	2539	Modern Black Literature* (8)	3		
PSYC	2457	Human Sexuality* (5)	3		
PSYC	2558	Intro to Abnormal Psychology* (5)	3		
SOC	1555	Introduction to Sociology* (5)	3		
SOC	1565	Social Problems* (8)	3		
SPCH	1575	Intercultural Communication* (1)	3		
SPCH	1595	Gender Communication	3		
<b>CREDIT SUBTOTAL</b>					

## 8. GLOBAL PERSPECTIVES (3 CR)

			Credits	Earned	Grade
ANTH	1525	Cultural Anthropology* (5)	3		
ART	1521	Art History I* (8)	3		
ART	1525	Art Appreciation* (8)	3		
ENGL	1535	World Literature* (8)	3		
GEOG	1555	Geography	3		
HIST	1575	World History I* (5)	4		
HIST	1576	World History II* (5)	4		
SOC	1565	Social Problems* (7)	3		
SOC	2575	Environmental Sociology* (10)	3		
SPAN	1461	Beginning Spanish I	4		
SPAN	1462	Beginning Spanish II	4	4	
SPAN	2463	Intermediate Spanish I	4		
SPAN	2464	Intermediate Spanish II	4		
<b>CREDIT SUBTOTAL</b>					

## 9. ETHICAL AND CIVIC RESPONSIBILITY (3 CR)

			Credits	Earned	Grade
ENGL	1512	College Composition II* (1)	3	PREVIOUSLY COMPLETED	
JOUR	1555	Introduction to Journalism	3		
PHIL	1551	Introduction to Ethics* (6)	3		
POLS	1555	Political Ideas & Institutions* (5)	3		
POLS	1556	American Government* (5)	3		
POLS	1557	State & Local Government* (5)	3		
SOC	1451	Introduction to Criminal Justice* (5)	3		
SOC	1452	Crime and Delinquency* (5)	3		
SOC	2475	Society and Computer Issues	1		
<b>CREDIT SUBTOTAL</b>					

## 10. PEOPLE AND THE ENVIRONMENT (3 CR)

			Credits	Earned	Grade
BIOL	1265	Introduction to Natural Resources	3		
BIOL/ESCI	1555	Environmental Science* (3)	3		
PSYC	2575	Environmental Psychology* (5)	3		
SOC	2575	Environmental Sociology* (8)	3	3	
<b>CREDIT SUBTOTAL</b>					

## ADDITIONAL AA REQUIREMENTS (3 CR)

Complete these additional course requirements.

			Credits	Earned	Grade
CNSL	1466	Alcohol and College Life	1		
HLTH	Elective		1		
PHED	Activity Elective		1		
(excludes varsity sports taken prior to Fall 2010)					
<b>CREDIT SUBTOTAL</b>					

## 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	Reading 78		4	1
American History II	HIST 1566	Vermilion College	Reading 78	American History I	4	1
Beginning Spanish II	SPAN 1462	Vermilion College	Reading 78	High School Spanish II	4	1
Calculus I	MATH 1561	Mesabi Range College	Reading 78, Sent St 86, Elem Alg 76, Coll Alg 50	Trigonometry & College Algebra Waived w/ Qualifying Accuplacer Score	5	1
College Composition I	ENGL 1511	Vermilion College	Reading 78		4	1
College Composition II	ENGL 1512	Vermilion College	Reading 78	College Composition I	3	0.5
Fund of College Chemistry	CHEM 1511	Vermilion College	Reading 78, Elem Alg 50 or Coll Alg 40		4	1
Fund of College Physics	PHYS 1555	Vermilion College	Reading 78, Elem Alg 50 or Coll Alg 40		4	1
Human Anatomy & Physiology I	BIOL 2551	Vermilion College	Reading 78		4	1
Survey of American Literature I	ENGL 2537	Vermilion College	Reading 78		3	0.5
Survey of American Literature II	ENGL 2538	Vermilion College	Reading 78	Survey of American Literature I	3	0.5
Survey of British Literature I	ENGL 2535	Vermilion College	Reading 78		3	0.5
Survey of British Literature II	ENGL 2536	Vermilion College	Reading 78	Survey of British Literature I	3	0.5
Survey of Economics	ECON 1555	Mesabi Range College	Reading 78, Sent St 86		3	0.5
Trigonometry	MATH 1547	Mesabi Range College	Reading 78, Sent St 86 Elem Alg 76 and Coll Alg 50		2	0.5
College Algebra	MATH 1521	Mesabi Range College	Reading 78, Sent St 86 Elem Alg 76 and Coll Alg 50	Trigonometry	4	1
General Psychology	PSYC 2551	Vermilion College	Reading 78		3	0.5
General Sociology	SOC 1555	Vermilion College	Reading 78		3	0.5

## ALI (Applied Learning Institute Program) Courses

The following courses are part of the “Applied Learning Institute Program”. These are courses offered to high school students, but may be held in either a high school or a college facility. The teacher is either a college instructor or a high school instructor. **There is no minimum GPA or minimum test score requirement to qualify for these classes.**

College Course Name	Course Number	Participating College	Assessment Pre-Requisite	Course PreRequisite	College Credits	High School Credits
Adobe Photoshop & Digital Photo	GRAP 2271	Mesabi Range College			2	1
Basic Maint Welding & Cutting I	IMT 1251	Mesabi Range College			3	1
Basic Maint Welding & Cutting II	IMT 1252	Mesabi Range College		Basic Maint Welding & Cutting I	3	1
Build Construction: Hand & Power Tools II	CARP 1225	Mesabi Range College		Build Construction: Hand & Power Tools I	2	.5
<b>Engineering I</b> - Solid Modeling	TBD	Itasca Community College			TBD	.5
Engineering II-Engineering PD 1	TBD	Itasca Community College		Engineering I - Solid Modeling	TBD	.5
<b>Auto Mechanics</b> - Customer Auto I	TBD	Hibbing College			TBD	.5
<b>Healthcare Technology</b> (Intro to Wellness/CPR for Healthcare Providers/Medical Terminology)	NURS 1227	Mesabi Range College	Incorporates two individual college courses.		3,1	1
	HLTH 1658					
Intro to Nursing: Certified Nursing Assistant	NUNA 1215	Mesabi Range College			4	1
Technical Math	GEDM 1165	Mesabi Range College			2	1

## Advanced Placement Courses (College Credit/Placement)

# GRADUATION REQUIREMENTS

**Graduation requirements: 24 credits**

## Virginia High School Graduation Credit Requirements

### English: 4 Credits

- 1.0 English 9
- 1.0 English 10
- 1.0 English
- 1.0 English

### Social Studies: 4 Credits

- .5 Geography 9
- .5 Economics 9
- 1.0 World History
- 1.0 US History or American History I & II
- .5 Economics 12 or Survey of Economics
- .5 Government 12 or American Government

### Math: 4 Credits

- 1.0 High School Algebra\*
- 1.0 Geometry
- 1.0 High School Algebra II
- 1.0 Senior Math Elective - a variety of options meet this requirement-see course catalog

\*Students that accelerated to Honors Geometry in Grade 9 will meet this requirement through advance coursework in their 11th and 12th grade years.

### Science: 3 Credits

- 1.0 Intro to Physics 9
- 1.0 Biology or AP Biology
- 1.0 Science Elective - a variety of options meet this requirement-see course catalog

### Speech: .5 Credit

### Physical Education and Health: 1 Credit

- 1.0 Physical Education/Health 9

**Fine Arts: 1 Credit** - a variety of options meet this requirement-see music/art sections in course catalog

**Electives: 6.5 Credits** - a variety of options meet this requirement-see course catalog

**Any course beyond the required amount per category will be counted as electives.**

# STUDENT SUPPORT OPTIONS



## REACH 1714(YES) 1714(NO)

9-10 -11-12 1 Credit  
(1 Hour/Yearlong)

This counts as elective credits toward graduation!

If you are interested, you will be given an application. Acceptance is through an application process.

Responsibility, Education, Accountability, Character, and Hard Work.  
See Mrs. Ismil for more information.

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 and a safe place for students to belong, connect, and support each other. Students will set weekly goals for themselves in the areas of personal, academic, and family. The curriculum is guided by the needs of the students and may cover topics such as communication skills, social skills, problem-solving, self-image, drug/chemical awareness, healthy relationships, etc. It is a program prepared to assist students in identifying the challenges/obstacles in their present situations and will lead them through the steps needed to overcome these challenges by teaching the skills needed for lifelong success. You will be graded on your participation, self-reflection and willingness to work on your goals.

During course registration, you will select one of the two following options to be considered:

1714 YES = Yes, I want to be considered for REACH and understand one of my elective options will be dropped if I am selected.

1714 NO = No, I do not want to be considered for the REACH program.



## AVID 1716(YES) 1716 (NO)

10 1 Credit  
(1 Hour/Yearlong)

This counts as elective credits toward graduation!

If you are interested, you will be given an application. Acceptance is through an application process.

The AVID course is an elective class for students who are interested in post-secondary education including certificated programs, two year degrees or four year degrees.

1. The AVID student possesses the desire to succeed in rigorous courses that prepare them for post-secondary education; AVID students may not try post-secondary without help
2. The AVID student is committed to working hard and open to new opportunities
3. The AVID student exhibits a positive attitude toward themselves and others
4. The AVID student wants to learn through self-advocacy and collaboration rather than just receiving the answers
5. The AVID student often has a grade point average between a 2.0 and 3.5; they are in the academic middle with average test scores
6. The AVID student is committed to good attendance or making a change to good attendance and is committed to good behaviors in and out of the classroom or making a change to good behaviors in and out of the classroom.



## **INDIAN EDUCATION 1008A & 1008B**

Select both numbers if you want a year long study hall. Selecting one number will give you a study hall in one semester, but it could be either one and it is determined by the courses you select.

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 1002 & 1003**

Select both numbers if you want a year long study hall. Selecting one number will give you a study hall in one semester, but it could be either one and it is determined by the courses you select.

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.



# ART COURSES

## ART 1512

### DRAWING

9-10 -11-12 ½ Credit  
(1 Hour/1 Semester)

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

Drawing is a semester long class that allows students to further develop their drawing skills. Students will spend the semester making works of art in several different styles using the many different materials of drawing.

## ART 1514

### PAINTING

9-10 -11-12 ½ Credit  
(1 Hour/1 Semester)

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

Painting is a semester long class that allows students to further develop their painting skills. Students will create works on traditional canvases, as well as large murals, and non traditional painting styles such as graffiti.

## ART 1516

### CERAMICS & POTTERY

9-10 -11-12 ½ Credit

**This course is not offered in 18-19, it may be offered again in 19-20**

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

(1 Hour/1 Semester)

Ceramics and pottery is a semester long class to further 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.

Note: This course will not be offered in 18-19. Stained Glass & Mosaics will be offered instead.

## ART 1518

### STAINED GLASS & MOSAICS

9-10 -11-12 ½ Credit  
(1 Hour/1 Semester)

[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.

## ART 1520

### INDIVIDUAL STUDY IN STUDIO ART

9-10 -11-12 ½ Credit

**This course is not offered in 18-19, it may be offered again in 19-20**

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

(1 Hour/1 Semester)

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

11-12 ½ Credit

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

(1 Hour/1 Semester)

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.

### ADOBE PHOTOSHOP & DIGITAL PHOTO 2

## ART 1522B

11-12 ½ Credit

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

(1 Hour/1 Semester)

(GRAP 2271)

**(2 college credits)**

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.

**This is NOT a new course. Do not register for this course if you previously took Adobe Photoshop!**

# BUSINESS EDUCATION COURSES

**BUS 1600A & 1600B URBAN EDGE -Marketing & Entrepreneurship Skills** 11-12 1 Credit  
(1 Hour/1 Year)

This course takes place in an existing small business called **The Urban Edge** which is a coffee house **located in the Virginia High School**. Students will be given the opportunity to participate in an environment that encourages active learning about business formation and operation using hands-on activities. Students participate in active learning models that will develop skills in personal relations, selling, advertising, money management, and a host of other business-related areas. Students will meet each day at **The Urban Edge** to assist in the operation of this business and begin developing skills necessary for a successful career in business and related areas. This class is for all students who have an interest in hands-on learning, and a desire to work in a highly motivating environment. Local professionals and area merchants share in the learning process and make this a class worth taking!

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

**BUS 1602 SPORTS & ENTERTAINMENT MARKETING** 11-12 ½ Credit  
(1 Hour/1 Semester)

**This course is not offered in 18-19, it may be offered again in 19-20**

This course is designed to help you develop a fundamental knowledge of marketing concepts that relate to sports and entertainment events, and the career possibilities currently available in this industry. The areas this course will cover include basic marketing, promotions, sponsorship proposals, and implementation of sports and entertainment marketing plans. In addition to the marketing overview, this course is designed to show how the roles of advertising, sales, and communications are important to the successful implementation of a marketing plan. Sports & Entertainment Marketing may utilize "Mind Tap", a personalized online learning experience with relevant assignments that guide students to analyze, apply and improve their marketing experience.



**BUS 1266 PERSONAL FINANCE** 10-12 ½ Credit  
(1 Hour/1 Semester)

**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: Melissa Betzolt

Sending District: Eveleth-Gilbert High School

This course will inform students how to manage money and maximize earning potential. Real world topics covered will include income, money management, spending and credit, as well as saving and investing. Students will design personal and household budgets utilizing checking and saving accounts, debt and credit management, and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions leading to financial independence.



**BUS 2308 INTRO TO COMPUTER PROGRAMMING** 10-12 ½ Credit  
(1 Hour/1 Semester)

**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: Melissa Betzolt

Sending District: Eveleth-Gilbert High School

This course will give students a broad understanding of computer programming and problem solving. Students will learn to write, design, and execute code, understanding fundamentals such as its keyword, data types, strings, and variables. Students will learn the coding behind video game design, apps, HTML, Javascript, and Java.

# FAMILY & CONSUMER SCIENCE COURSES

FACS 1702

APPAREL DESIGN AND PRODUCTION

9 -10 -11-12 ½ Credit  
(1 Hour/1 Semester)

**This course is not offered in 18-19, it may be offered again in 19-20**

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**

9 -10 -11-12 ½ Credit  
(1 Hour/1 Semester)

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 and INTERIOR DESIGN**

10-12 ½ Credit  
(1 Hour/1 Semester)

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 ½ Credit  
(1 Hour/1 Semester)

In the first quarter students will learn about 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. During this portion of the class we will be pairing up with teachers in the Roosevelt building to observe and interact with 3rd through 5th graders.

FACS 1706A & 1706B

**FOOD OCCUPATIONS I**

11-12 1 Credit  
(2 Hour/1 Semester)

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 1708A & 1708B

**FOOD OCCUPATIONS II**

11-12 1 Credit  
(2 Hour/1 Semester)

Offered at Mt Iron High School

**[Prerequisite: Food Occupations I]**

Designed for those students 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)

# ENGLISH COURSES

## ENG 1120A & 1120B

### ENGLISH 9

9th 1 Credit  
(1 Hour/1 Year)

(Required)

English 9 presents an integrated approach to the study of literature, language, writing, and vocabulary. A review of language structure, usage, and mechanics is provided as needed with special emphasis on the writing process and its application to various forms of composition: expository, persuasive, narrative, and descriptive. Literature study includes the short story, poetry, drama, non-fiction, an epic, and the novel. Vocabulary is in conjunction with literature selections.

## ENG 1131

### HIGH SCHOOL READING STRATEGIES

10th ½ Credit  
(1 Hour/1 Semester)

Co-Requisite: English 10

**This course is not offered in 18-19, it may be offered again in 19-20**

Those seeking a boost to their learning are encouraged to take this reading course. This course is designed to support students enrolled in tenth grade who may desire additional strategies with reading. "The course will focus instruction on effective strategies and will aid in comprehension of reading in all subject areas, including World History and Biology." The class addresses individual needs through direct instruction in reading skills, academic reading and high-interest literature. Particular attention will be given to comprehension strategies in order to support the students in becoming more strategic readers. Space is limited in this select course in order to enhance 1:1 time with instructor and this course must be taken concurrently with English 10 to maximize learning outcomes. Register for this course now if you want to be considered for this highly selective opportunity!

## ENG 1130A & 1130B

### ENGLISH 10

10th 1 Credit  
(1 Hour/1 Year)

(Required)

English 10 is designed to provide a background in the various literary forms. Using world literature, students will study poetry, drama, novel, short story, and essay. Vocabulary study is included as well as a review in usage and mechanics as needed. A strong emphasis is placed on composition.

## ENG 1132A & 1132B

### HONORS WORLD LITERATURE 10

10th Credit  
(1 Hour/1 Year)

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. Besides the usual means of assessment, participants in HWL must also demonstrate commitment to the concept of the learning community and to academic integrity.

**Interested individuals will be required to complete an application for this course. (Please check with the Mr. Thompson) In the event that too many students enroll in the class, GPA's may be used to determine class enrollment.**

## ENG 1140A & 1140B

### AMERICAN LITERATURE

11-12 1 Credit  
(1 Hour/1 Year)

English 11 surveys the work of American authors, including at least one novel and two dramas. Vocabulary study will be associated with the difficult words in every literary assignment. Compositions will include papers which focus on description, literary character 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 1150A & 1150B

### BRITISH LITERATURE

11-12 1 Credit  
(1 Hour/1 Year)

**This course is not offered in 18-19, it may be offered again in 19-20**

English 12 involves a chronological study of British Literature from the Anglo-Saxon period to the Twentieth Century. Composition is firmly emphasized as students practice regularly with form and content. In addition to numerous themes, students are also required to compile a research paper. Finally, units of vocabulary, mechanics and usage are thoroughly addressed.



## ENG 1152

### SURVEY OF AMERICAN LITERATURE I

11-12 ½ Credit  
(1 Hour/1 Semester)

(ENGL 2537)

(3 college credits)

While sampling the literature of the United States, readers will experience short fiction, poetry, drama, novels and non-fiction as a class, members of readers' circles, and as individuals. Assessment will be based upon class participation, composition (both analytical and responsive), projects, presentations and tests. In exchange for a commitment to high standards of achievement, students in Survey of American Literature I & II can expect to be richly rewarded as readers, writers and thinkers. **NOTE: See CIS enrollment information.**



## ENG 1154

### SURVEY OF AMERICAN LITERATURE II

11-12 ½ Credit  
(1 Hour/1 Semester)

(ENGL 2538)

(3 college credits)

Survey of American Literature II is a continuation of Survey of American Literature I. In exchange for a commitment to high standards of achievement, students in Survey of American Literature I & II can expect to be richly rewarded as readers, writers and thinkers. **NOTE: See CIS enrollment information.**



## ENG 1156

### SURVEY OF BRITISH LITERATURE I

11-12 ½ Credit  
(1 Hour/1 Semester)

**This course is not offered in 18-19, it may be offered again in 19-20**

(ENGL 2535)

(3 college credits)

*Survey of British Literature I* introduces the works of major British writers from the Anglo-Saxon period through the Renaissance. The major works from this time period extend a strong and abiding scope of influence, and this course seeks to show their continued relevance. Application of and appreciation for the major themes presented in the literature will be demonstrated. As with all humanities courses, one major outcome of this course will be to foster a deeper understanding of the human condition.

**NOTE: See CIS enrollment information.**



## ENG1158

### SURVEY OF BRITISH LITERATURE II

11-12 ½ Credit  
(1 Hour/1 Semester)

**This course is not offered in 18-19, it may be offered again in 19-20**

(ENGL 2536)

(3 college credits)

*Survey of British Literature II* introduces the works of major British writers from the Restoration period to the present. One of the major contributions this course imparts to the students is a comprehensive examination of the writing genius found in the works of these British giants whose worth and content still stands firmly even now. As such, students will be asked to apply the timeless lessons these writers offer to the culture in which they live today. Additionally, surrounding these works in their historical context will foster a deeper understanding of the human condition. **NOTE: See CIS enrollment information.**



## ENG 1160

### COLLEGE COMPOSITION I

11-12 ½ Credit  
(1 Hour/1 Semester)

(ENGL 1511)

(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.**

**(ENGL 1512)**

In this continuation of College Writing I, students write several analytical essays assigned in conjunction with classroom study of various genres of literature including drama, poetry, and short fiction. This study will culminate in three detailed literary analyses. Additionally, after sequenced instruction in research techniques, students will produce two properly organized, fully documented, scholarly research papers.

**NOTE: See CIS enrollment information.**

**(3 college credits)****ENG 1164****SCIENCE FICTION AND FANTASY LITERATURE**11-12 ½ Credit  
(1 Hour/1 Semester)

The creative potential of an unknown future and the beautiful complexity of imagined worlds are at the heart of Science Fiction and Fantasy. These works have mirrored events throughout the troubled situations of our history and provided optimistic outcomes and horrifying predictions. In this course, students will be reading novels and short stories and will analyze, study, and evaluate the distinguishing characteristics as well as the common themes of each genre and how these themes reflect on society. Students will regularly read, write and speak about issues and ideas surrounding science fiction and fantasy. They will examine the evolution of science fiction and fantasy through the 20<sup>th</sup> Century and will define the aspects of literature. They will also do some research on authors of interest and try their hands at writing in the unique style.

**ENG 1166****DRAMA AND THEATER**11-12 ½ Credit  
(1 Hour/1 Semester)

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.

**ENG 1168****MODERN NOVEL**11-12 ½ Credit  
(1 Hour/1 Semester)

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.

**ENG 1170****CREATIVE WRITING**11-12 ½ Credit  
(1 Hour/1 Semester)

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.

**ENG 1172****TECHNICAL AND BUSINESS WRITING**11-12 ½ Credit  
(1 Hour/1 Semester)

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.



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.

Students must be earning a cumulative grade point average of 2.5 at the time of registration to be eligible for this course. Students not meeting this requirement will be rescheduled into other courses.

# MODERN LANGUAGE COURSES

LNG 1902A & 1902B

## HIGH SCHOOL SPANISH I

9-10-11-12 1 Credit  
(1 Hour/1 Year)

High School Spanish I is an introduction to the essentials of the Spanish language and culture. Through the use of a communicative proficiency-oriented approach and an array of meaningful interaction activities, the student will be given the opportunity to experience not only the Spanish language but also its rich culture.

Students will be provided with a maximum of immediately useful language skills.

LNG 1904A & 1904B

## HIGH SCHOOL SPANISH II

10-11-12 1 Credit  
(1 Hour/1 Year)

[Prerequisite: High School Spanish I]

In High School Spanish II students will review concepts of grammar and culture learned in High School Spanish I with a progressive development of listening, reading, writing and conversational skills.

## HIGH SCHOOL SPANISH III

11-12 1 Credit

LNG 1908A & 1908B

## COLLEGE BEGINNING SPANISH II

(1 Hour/1 Year)

**This course is not offered in 18-19, it may be offered again in 19-20**

[Prerequisite: Spanish I&II]  
(SPAN 1462)

(4 college credits)

Beginning Spanish III is a continuation of High School Spanish II with further development of listening, speaking, reading, and writing skills. **NOTE: See CIS enrollment information.** College Beginning Spanish II will only be offered if a sufficient number of students select this course as a first choice during the registration process.

LNG 1910A & 1910B

## GERMAN I

9-10-11-12 1 Credit  
(1 Hour/1 Year)

High School 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. Topics include survival needs, family, school, the house as well as fascinating cultural information about German speaking. Students will also have the opportunity to participate in a three-week exchange to Germany every other year.

LNG 1912A & 1912B

## GERMAN II

10-11-12 1 Credit  
(1 Hour/1 Year)

[Prerequisite: German I]

Continue to develop your German communications skills as you learn more extensive vocabulary and grammatical concepts. **Students will also have the opportunity to participate in a three-week exchange to Germany every other year.**

LNG 1914A & 1914B

## GERMAN III

11-12 1 Credit  
(1 Hour/1 Year)

[Prerequisite: German II]

**This course is not offered in 18-19, it may be offered again in 19-20**

German III is a continuation of High School 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.**





**LNG 1920A & 1920B****OJIBWE I**9-10-11-12 1 Credit  
(1 Hour/1 Year)

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: Shelly Ceglar

Sending District: Mt. Iron-Buhl

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.

**LNG 1921A & 1921B****OJIBWE II**10-11-12 1 Credit  
(1 Hour/1 Year)

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: Shelly Ceglar

Sending District: Mt. Iron-Buhl

**[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.

**LNG 1924A & 1924B****CHINESE I**9-10-11-12 1 Credit  
(1 Hour/1 Year)

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: TBA

Sending District: Mt. Iron-Buhl

This introductory course in Chinese language provides the basic communication skills in the Modern Standard Chinese. This course is designed for the high school level students who have had no prior experience to Chinese language and are interested in learning basic Chinese language as well as culture. Throughout the course, students will develop their listening, speaking, reading, and writing skills. However, the emphasis in this course will be on building up students' communicative competence in oral and aural skills. Reading and writing will be minimally introduced along with speaking and listening skills. Students will be able to communicate verbally in Chinese language within given situations.

# INDUSTRIAL / VOCATIONAL COURSES

## INDUST 1810

### INDUSTRIAL TECHNOLOGY I

9-10-11 ½ Credit

(1 Hour/1 Semester)

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.

**Note: Industrial Technology I is a replacement for the first semester of Industrial Tech previously offered.**

See More Here: [https://drive.google.com/open?id=1rPqsVt3tpiYd\\_pp2GUpFfP2TJqmH0Ko7](https://drive.google.com/open?id=1rPqsVt3tpiYd_pp2GUpFfP2TJqmH0Ko7)

## INDUST 1812

### INDUSTRIAL TECHNOLOGY II

9-10-11 ½ Credit

(1 Hour/1 Semester)

**[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.

**Note: Industrial Technology II is a replacement for the second semester of Industrial Tech previously offered.**

See More Here: [https://drive.google.com/open?id=1rPqsVt3tpiYd\\_pp2GUpFfP2TJqmH0Ko7](https://drive.google.com/open?id=1rPqsVt3tpiYd_pp2GUpFfP2TJqmH0Ko7)

## INDUST 1814

### WOOD TECHNOLOGY I

10-11-12 ½ Credit

(1 Hour/1 Semester)

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)

## INDUST 1816

### WOOD TECHNOLOGY II

10-11-12 ½ Credit

(1 Hour/1 Semester)

**[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)

## INDUST 1818

### iDESIGN

10-11-12 ½ Credit

(1 Hour/1 Semester)

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, 3D printers, and rapid prototyping machines. Students will create projects such as custom printed t-shirts, personalized picture frames, LED signs, etched mirrors, and much more. 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=1UHfOp02vVwwmtgflvnrWn5fHUd\\_\\_RRy](https://drive.google.com/open?id=1UHfOp02vVwwmtgflvnrWn5fHUd__RRy)

**This course is not offered in 18-19, it may be offered again in 19-20**

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. **Note: Robotics I is a replacement for the first semester of the Robotics class previously offered.**

See More Here: [https://drive.google.com/open?id=1H5jPhuRUNrhmqoXfR\\_-\\_xP9wQ8sN8hPi](https://drive.google.com/open?id=1H5jPhuRUNrhmqoXfR_-_xP9wQ8sN8hPi)

[Prerequisite: Robotics I]

**This course is not offered in 18-19, it may be offered again in 19-20**

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. **Note: Robotics II is a replacement for the second semester of the Robotics class previously offered.**

See More Here: [https://drive.google.com/open?id=1H5jPhuRUNrhmqoXfR\\_-\\_xP9wQ8sN8hPi](https://drive.google.com/open?id=1H5jPhuRUNrhmqoXfR_-_xP9wQ8sN8hPi)

Intro to welding offers students the opportunity to learn about the welding and cutting processes. Students will be introduced to arc welding, wire feed welding, torch cutting, and plasma cutting. Students will have the opportunity to use these skills to create several different projects. Students will complete both required projects and be able to work on projects of choice, some examples would be: snowmobile/ATV accessories, signs, Art sculptures, sporting, hunting or fishing accessories and more.

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=1GdduiawPNOgJz-0Y56ydiWvmvKLniaOq>

[Prerequisite: Auto Maintenance]

\*Only students in Grades 11-12 receive college credits

(TBD college credits)

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. **NOTE: See ALI enrollment information.**

See More Here: <https://drive.google.com/open?id=1GdduiawPNOgJz-0Y56ydiWvmvKLniaOq>

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-52ZWIUps4fYeL4twHu5>

VOC 1840 **BASIC MAINT WELDING & CUTTING I** 11-12 1 Credit  
(IMT 1251) (2 Hour Block/1 Semester)

**This course is not offered in 18-19, it may be offered again in 19-20**

\*Only students in Grades 11-12 receive college credits (3 college credits)  
This course offers basic training in Shielded Metal Arc "Stick" Welding, Oxy-Acetylene Welding and Cutting, Gas Metal Arc "Wire Feed" Welding, Plasma Arc Cutting, PlasmaCam and Welding Safety. Personal welding projects are encouraged. **NOTE: See ALI enrollment information.**

See More Here: <https://drive.google.com/open?id=1jUWS6LrZnMWSREdbDqtY5mfNg7OxEiW9>  
OR

VOC 1841 **BASIC MAINT WELDING & CUTTING I** 11-12 ½ Credit  
(IMT 1251) (1 HOUR CLASS OPTION/1 Semester)

\*Only students in Grades 11-12 receive college credits (3 college credits)

This course offers basic training in Shielded Metal Arc "Stick" Welding, Oxy-Acetylene Welding and Cutting, Gas Metal Arc "Wire Feed" Welding, Plasma Arc Cutting, PlasmaCam and Welding Safety. Personal welding projects are encouraged. **NOTE: See ALI enrollment information.**

See More Here: <https://drive.google.com/open?id=1jUWS6LrZnMWSREdbDqtY5mfNg7OxEiW9>

VOC 1842 **BASIC MAINT WELDING & CUTTING II** 11-12 1 Credit  
(IMT 1252) (2 Hour Block/1 Semester)

**This course is not offered in 18-19, it may be offered again in 19-20**

[Prerequisite: Welding & Cutting I] (3 college credits)

\*Only students in Grades 11-12 receive college credits  
This course offers advanced training in Shielded Metal Arc "Stick" Welding, Pipe Welding Oxy-Acetylene Welding, Gas Metal Arc "Wire Feed" Welding, Gas Tungsten Arc Welding, Plasma Arc Cutting and PlasmaCam operation. Personal welding projects are encouraged. Future Career Paths: Welder, Millwright, Independent Owner Welding / Fabricating Shop, Computer Aided Manufacturing.

**NOTE: See ALI enrollment information.**

See More Here: <https://drive.google.com/open?id=1jUWS6LrZnMWSREdbDqtY5mfNg7OxEiW9>  
OR

VOC 1843 **BASIC MAINT WELDING & CUTTING II** 11-12 ½ Credit  
(IMT 1252) (1 HOUR CLASS OPTION/1 Semester)

[Prerequisite: Welding & Cutting I] (3 college credits)

\*Only students in Grades 11-12 receive college credits  
This course offers advanced training in Shielded Metal Arc "Stick" Welding, Pipe Welding Oxy-Acetylene Welding, Gas Metal Arc "Wire Feed" Welding, Gas Tungsten Arc Welding, Plasma Arc Cutting and PlasmaCam operation. Personal welding projects are encouraged. Future Career Paths: Welder, Millwright, Independent Owner Welding / Fabricating Shop, Computer Aided Manufacturing.

**NOTE: See ALI enrollment information.**

See More Here: <https://drive.google.com/open?id=1jUWS6LrZnMWSREdbDqtY5mfNg7OxEiW9>

VOC 1844 **BUILDING CONSTRUCTION I-Hand & Power Tools** 11-12 ½ Credit  
(1 Hour/1 Semester)

This course is designed to familiarize students with the building trade industry. The student will learn the basics of construction in the areas of job safety, tool identification and proper usage, machines and proper usage, construction terminology, construction components, and career opportunities. Topics to be covered include: building plans, building codes, site preparation, footings, foundations, floor framing and sheeting, walls and sheeting materials, ceilings, roofs, roof trusses, and roofing. Students will be required to create a scale model building and will have the chance to make a small project or multiple small projects, based on time, to take home or sell. **NOTE: Students must complete Building Construction I & Building Construction II to earn technical college credits. It is recommended, but not required, to take Building Construction I & Building Construction II during the same school year.**

See More Here: <https://drive.google.com/open?id=1IVmkg60br5z1ycOYullax-wSlzkWZdfw>



**VOC 1846**  
**(CARP 1225)**

**BUILDING CONSTRUCTION II-Hand & Power Tools** 11-12 ½ Credit  
(1 Hour/1 Semester)

**[Prerequisite: Building Construction I]**

**\*Only students in Grades 11-12 receive college credits) (2 college credits)**

Students will acquire knowledge and skills related to the building trades industry. Topics to be covered more in depth include: windows, doors, exterior walls and siding, plumbing, electrical, heating, insulation, interior walls, drywall, ceiling materials, flooring, painting and career opportunities. A variety of projects will be constructed such as sheds, garages, hunting stands, and fish houses to develop hands-on skills.

**NOTE: See ALI enrollment information.**

See More Here: <https://drive.google.com/open?id=1IVmkg60br5z1ycOYulLax-wSlzkWZdfw>



**VOC 1849**  
**(ENGR 1355)**

**ENGINEERING I - Fundamentals of Solid Modeling** 10-11-12 ½ Credit  
(1 Hour/ 1Semester)

**\*Only students in Grades 11-12 receive college credits) (TBD college credits)**

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. **NOTE: See ALI enrollment information.**

See More Here: <https://drive.google.com/open?id=1I6RQ9KpulEbmXSE6sZiR04x47RgFxMTX>



**VOC 1851**  
**(ENGR 1010)**

**ENGINEERING II-Engineering Professional Development I** 10-11-12 ½ Credit  
(1 Hour/ 1 Semester)

**\*Only students in Grades 11-12 receive college credits) (TBD college credits)**

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.

**NOTE: See ALI enrollment information.**

See More Here: <https://drive.google.com/open?id=1I6RQ9KpulEbmXSE6sZiR04x47RgFxMTX>



**VOC 1852**

**INDUSTRIAL MAINTENANCE-Elements of Mech-Equip Oper**

**This course is not offered in 18-19, it may be offered again in 19-20**

**(IMT 1237)**

11-12 1 Credit  
(2 Hour Block/1 Semester) \*Only  
(2 college credits)

students in Grades 11-12 receive college credits)

This course will include 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 approach to work, job and career opportunities, plant tours, and much more. Students will be expected to apply the keys to success in industry that include safety, continuous learning, positive attitude, reliable attendance, teamwork and a positive work ethic. **NOTE: See ALI enrollment information.**

**VOC 1856****CNA/HOME HEALTH/RESP EMERG**

11-12 1 Credit

**(NUNA 1215/HLTH 1657)**

(2 Hour Block/1 Semester)

**Offered at Mesabi Range Community & Technical College - Eveleth Campus****(4 college credits)**

**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: See ALI enrollment information.****VOC 1854****CPR/MED TERM/EMERG MED RESP**

11-12 1 Credit

**(PSYC1457 / NURS1227 / EMSV1658)**

(2 Hour Block/1 Semester)

**Offered at Mesabi Range Community & Technical College - Eveleth Campus****(4 college credits)**

**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: See ALI enrollment information.**



# MATH COURSES

**MATH 1220A & 1220B**      **INFORMAL HIGH SCHOOL ALGEBRA I**      9th 1 Credit  
(1 Hour/1 Year)

**[Students from Informal 8<sup>th</sup> Grade Algebra I should select Informal High School Algebra unless advised by the teacher and/or counselor to take High School Algebra]**

This course is designed to provide a foundation for algebra. The content of this course includes operations with rational numbers; inequalities; polynomials; factoring; functions and graphs; lines and slopes; squares and square roots; statistics and probability.

**MATH 1222A & 1222B**      **HIGH SCHOOL ALGEBRA I**      9th 1 Credit  
(1 Hour/1 Year)

**[This course may be taken if at least a "C" average in 8<sup>th</sup> Grade Algebra is maintained. Students from Informal 8<sup>th</sup> Grade Algebra I should select Informal High School Algebra unless advised by the teacher and/or counselor to take High School Algebra]**

High School Algebra will include an algebraic introduction that builds upon the concepts taught in 8th Grade 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.

**MATH 1230A & 1230B**      **INFORMAL GEOMETRY**      10 -11-12 1 Credit  
(1 Hour/1 Year)

**[Prerequisite: Informal High School Algebra I or High School Algebra I]**

This course offers the same basic topics listed under Geometry, but places less emphasis on theory and more emphasis on application. This course is a prerequisite for High School Algebra II.

**MATH 1232A & 1232B**      **GEOMETRY**      10 -11-12 1 Credit  
(1 Hour/1 Year)

**[Prerequisite: High School Algebra]**

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. Students who are considering High School Algebra II or Pre-Calculus should enroll in this Geometry course.

**MATH 1234A & 1234B**      **HONORS GEOMETRY**      9- 10 -11-12 1 Credit  
(1 Hour/1 Year)

**[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.

**MATH 1242A & 1242B**      **HIGH SCHOOL ALGEBRA II**      10 -11-12 1 Credit  
(1 Hour/1 Year)

**[Prerequisite: High School Algebra]**

**[Can be taken in conjunction with Geometry per teacher recommendation]**

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

**MATH 1244A & 1244B****HONORS HIGH SCHOOL ALGEBRA II**

10th 1 Credit

**[Prerequisite: Honors Geometry or instructor approval]**

(1 Hour/1 Year)

**[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]**

(1 Hour/1 Year)

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.

**Trig has many difficult concepts, thus many students will need to come in for extra help.** Some of the topics include trigonometric functions, complex numbers, and vectors with a strong emphasis on problem solving.

**MATH 1255A****ACT/ACCUPLACER MATH TEST PREP**

10-11-12 1/2 Credit

This course is taught **1st semester**

(1 Hour/ 1 Semester)

This semester course is designed to help students prepare for standardized tests such as the ACT, SAT, Accuplacer, and college entrance tests, especially the trigonometry portion of the tests. Some of the topics covered include trigonometric functions, trigonometric identities, complex numbers, and polar coordinates, as well as combinatorics, permutations, combinations, and the binomial probability theorem.

**MATH 1252****COLLEGE TRIGONOMETRY**

11-12 1 Credit

**MATH 1254****COLLEGE ALGEBRA**

(1 Hour/1 Year)

**[Prerequisite: High School Algebra II]****(6 college credits)****(MATH 1547) (MATH 1521) 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 "Trig and Selected Topics" 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 & 1256B****CALCULUS I**

12th 1 Credit

(1 Hour/1 Year)

**[Prerequisite: College Trigonometry & College Algebra]****(5 college credits)****(MATH 1561)**

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 2<sup>nd</sup> semester of the course. **See page 5 for College in the Schools enrollment information.**



**This course is not offered in 18-19, it may be offered again in 19-20**

Calculus Clarity (Q/A) must be taken in conjunction with Calculus I. Calculus Clarity (Q/A) is designed to supplement Calculus I. The course will include additional instruction on Calculus I lessons, test corrections, review, test prep and working with peers to complete assignments. Projects will be utilized to reinforce calculus concepts.

**This course is not offered in 18-19, it may be offered again in 19-20**

Math for Business is a math/business interdisciplinary education course designed to prepare students for roles as entrepreneurs, producers, and business leaders by developing abilities and skills that are part of every business environment. A solid understanding of algebra, basic geometry, statistics, and probability provides the necessary foundation for students with career interests in business and skilled trade areas. The content includes mathematical operations relevant to accounting, banking, finance, marketing, and management. Instructional strategies should include simulations, guest speakers, tours, internet research, and business experiences.

This course covers a broad range of accounting principles. Instruction encompasses special journals, posting, trial balancing, work sheets, financial statements, adjustments, and closing ledgers. Accounting I provides an overview of manual accounting systems for sole proprietorships and corporations as well as an introduction to computerized accounting utilizing Vital Source and the eBook platform. This course is highly recommended for students exploring business occupations or pursuing accounting and business majors at the college level.

**(2 college credits)**

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.

**NOTE: See ALI enrollment information.**

# MUSIC COURSES

## MUS 2034A & 2034B

### BEL CANTO

9-10-11-12 1 Credit  
(1 Hour/1Year)

(intermediate women's choir)

Bel Canto is a non-auditioned choir open to all **WOMEN** in grades 9-12; no audition needed. 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 the four major concerts each year as well as the MSHSL Large Group Contest. 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.

## MUS 2036A & 2036B

### KANTOREI

9-10-11-12 1 Credit  
(1 Hour/1Year)

(intermediate men's choir)

Kantorei is a non-auditioned choir open to all **MEN** in grades 9-12; no audition needed. 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 the four major concerts each year as well as the MSHSL Large Group Contest. 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.

## MUS 2032A & 2032B

### A CAPPELLA CHOIR

9-10-11-12 1 Credit  
(1 Hour/1Year)

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

**{Acceptance by audition only, see Mr. Krage}**

The Virginia High School A Cappella Choir is the flagship ensemble of the Virginia Choral Department and is open to female and male singers in grades 10-12. Membership in this choir is obtained through audition only. 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 four 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.

## MUS 2043A & 2043B

### FRESHMAN BAND

9th 1 Credit  
(1 Hour/1Year)

Freshman Band is a performing Ensemble for 9th grade students that have taken 8th grade band. (If you did not take 8th grade band, you will need to take summer lessons and/or take private lessons to learn an instrument. Please speak with the instructor before registering.) Students will perform a variety of music and build on the fundamentals of music they have learned in previous years. In addition to formal concerts, 9th Grade Band is expected to play at a number of scheduled pep band events and marching performances throughout the year including Memorial Day and graduation. Students are required to attend all scheduled band concerts and events throughout the year and are highly encouraged to participate in summer marching band June through early July.

## MUS 2041A & 2041B

### SYMPHONIC BAND

10-11-12 1 Credit  
(1 Hour/1Year)

Symphonic Band is a performing ensemble for all 10th-12th grade students that have previously played in band. (If you have not taken band in the previous year, you will need to take summer lessons and/or take private lessons to learn an instrument. Please speak with the instructor before registering.) Students perform a variety of music and continue building on the fundamentals of music that have been learned in previous years. In addition to contest and formal concerts, the Concert Band is expected to play at a number of scheduled pep band events and marching performances throughout the year including Memorial Day and graduation. Students are required to attend all scheduled concerts and band events during the year and are highly encouraged to participate in summer marching band June through early July.

**MUS 2050A & 2050B****SENIOR HIGH ORCHESTRA**

9-10-11-12 1 Credit

(1 Hour/1 Year)

Senior High Orchestra meets on a daily basis all year. Students are required to participate in three concerts per year in addition to one recital, MSHSL large group, solo/ensemble music contests, and the graduation ceremony. Students are also required to perform for various community functions. Students at this level receive lessons only if they have a study hall. If a student does not have a study hall, they are encouraged to study privately. Interpretation and analysis are taught through the study of basic music theory and music history. Students are expected to practice daily at home.

**MUS 2018****WESTERN MUSIC**

10-11-12 1/2 Credit

(1 Hour/ 1 Semester)

This course is taught **2nd semester**

**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: Tom Frichek

Sending District: Mt. Iron-Buhl

This class will begin by exploring the origins of European, African, and American music. Students will experience how these musics combined in the modern world to give rise to modern popular music. Roughly half of this course will require each students to choose a genre, element, or period of music to explore in-depth on their own. Note: This class will require students to provide their own headphones.

# PHYSICAL EDUCATION COURSES

## PHYED 2120A & 2120B 9<sup>TH</sup> GRADE PHY ED & HEALTH

9th 1 Credit

(Required)

(1 Hour/1 Year)

All Grade 9 students are required to take this full-year course. Included are a variety of individual, dual and team activities, and a personal safety unit in swimming. Each student is required to design and implement a health-enhancing fitness plan which will involve instruction on fitness principles, actual fitness assessment, personal goal-setting, and evaluating the effectiveness of their plan. In addition, this course includes a decision-making unit which ties into individual and community health.

## PHYED 2132

### TEAM SPORTS

10-11-12 ½ Credit

[Prerequisite: 9<sup>th</sup> Grade Phy Ed & Health]

(1 Hour/1 Semester)

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.

## PHYED 2134

### INDIVIDUAL SPORTS/RACQUET SPORTS.

10-11-12 ½ Credit

[Prerequisite: 9<sup>th</sup> Grade Phy Ed & Health]

(1 Hour/1 Semester)

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.

## PHYED 2136

### SHAPE-UP FITNESS

10-11-12 ½ Credit

[Prerequisite: 9<sup>th</sup> Grade Phy Ed & Health]

(1 Hour/1 Semester)

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, weight lifting, high intensity training, other cardiovascular activities and team/individual games.

## PHYED 2133

### HEALTH STUDIES

10-11-12 1/2 Credit

(1 Hour/1 Semester)

The goal of this course is to help young people make healthy decisions throughout their lifetime that will assist them in achieving a balance of physical, mental, and emotional health. The course involves the study of the prevention and control of disease, environmental health, consumer health, nutrition, mental health, stress management, and the prevention of the abuse of alcohol and other drugs.

## PHYED 2130

### WEIGHT LIFTING/ PERSONAL FITNESS

10-11-12 ½ Credit

[Prerequisite: 9<sup>th</sup> Grade Phy Ed & Health]

(1 Hour/1 Semester)

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. If you are interested in registering for this class as a "Zero Hour" please sign up for that option. "Zero Hour" is a before school option for credit.

PHYED 2131A WEIGHT LIFTING/ PERSONAL FITNESS-ZERO HOUR 10-11-12 ½ Credit  
[Prerequisite: 9<sup>th</sup> Grade Phy Ed & Health] *This course is taught 1st semester* (1 Hour/1 Semester)

**This course is not offered in 18-19, it may be offered again in 19-20**

This option for weight lifting will meet on all regularly scheduled school days from 7:10-8:00 AM. Transportation **will not** be available for students; therefore, you should only register for this course if you are sure you will be able to get to the school on time daily. Students that take this course will be allowed two study halls during the day—each student can take a max of 7 classes each semester.

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. If you are interested in registering for this class as a "Zero Hour" please sign up for that option. "Zero Hour" is a before school option for credit.

PHYED 2131B WEIGHT LIFTING/ PERSONAL FITNESS-ZERO HOUR 10-11-12 ½ Credit  
[Prerequisite: 9<sup>th</sup> Grade Phy Ed & Health] *This class is taught 2nd semester* (1 Hour/1 Semester)

**This course is not offered in 18-19, it may be offered again in 19-20**

This option for weight lifting will meet on all regularly scheduled school days from 7:10-8:00 AM. Transportation **will not** be available for students; therefore, you should only register for this course if you are sure you will be able to get to the school on time daily. Students that take this course will be allowed two study halls during the day—each student can take a max of 7 classes each semester.

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. If you are interested in registering for this class as a "Zero Hour" please sign up for that option. "Zero Hour" is a before school option for credit.

# SCIENCE COURSES

Students must take one year of either Physics or Chemistry. The 9th Grade Intro to Physics course meets this requirement, but all students should check their transcripts to see if they took Physical Science or Intro to Physics as Physical Science DOES NOT meet the state requirement and they will need to take Physics or Chemistry as an 11th or 12th grade student. See your counselor for help, if needed.

## SCI 1320A & 1320B

### INTRO TO PHYSICS

9th 1 Credit  
(1 Hour/1 Year)

(Required)

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, dissections, films, and slides.

## SCI 1322A & 1322B

### BIOLOGY

10-11-12 1 Credit  
(1 Hour/1 Year)

(Required unless taking AP)

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, dissections, films, and slides.

## AP SCI 1324A & 1324B

### A.P. BIOLOGY

10-11-12 1 Credit  
(1 Hour/1 Year)

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.

## SCI 1326A & 1326B

### ENVIRONMENTAL SCIENCE

11-12 1 Credit  
(1 Hour/1 Year)

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: environmental policy, ecology, humans and their impact on the environment, Earth's resources, climate change, energy, and waste management. In addition, students will participate in the Youth Energy Summit (YES! <http://www.youthenergysummit.org/>) sponsored, by the Laurentian Environmental Center, as part of the course. YES! provides a unique opportunity for students to learn by engaging directly in community efforts that lead to dramatic demonstrations of renewable energy technology and conservation practices and exposes them to how science is applied in real life. 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 1328A & 1328B

### HIGH SCHOOL CHEMISTRY

11-12 1 Credit  
(1 Hour/1 Year)

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 1330A & 1330B      FUND OF COLLEGE CHEMISTRY**11-12    1 Credit  
(1 Hour/1 Year)**(CHEM 1511)**

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.**

**(4 college credits)****SCI 1332A & 1332B      HUMAN ANATOMY**11-12    1 Credit  
(1 Hour/1 Year)**[Prerequisite: Biology or AP Biology]****(BIOL 2551)**

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. CPR and First aid certification can be earned. This is an excellent course for those students who are considering a medical field in the future. **NOTE: See CIS enrollment information.**

**(4 college credits)****NOTE: THIS CLASS IS NOW PROJECT BASED AND FUN!****SCI 1334A & 1334B      FUND OF COLLEGE PHYSICS**11-12    1 Credit  
(1 Hour/1 Year)**(PHYS 1555)**

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. This course is intended to fulfill general education (natural science), Minnesota Transfer Curriculum (MNTC), requirements.

**(4 college credits)****NOTE: See CIS enrollment information.****SCI 1333A & 1333B      HIGH SCHOOL PHYSICS**11-12    1 Credit  
(1 Hour/1 Year)**This course is not offered in 18-19, it may be offered again in 19-20**

This course covers the basic principles of physics from a conceptual and practical viewpoint. Topics generally include motion, forces, energy, waves and sound, fluids, heat, electricity and magnetism, light. Modern physics (quantum mechanics, black holes, particle accelerators, astrophysics) will also be addressed throughout the year. 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 as a project based course that requires regular attendance and daily participation. Students will attend ValleyFair's Science and Physics Days in Shakopee, MN in the spring as part of their year-end-project. The goal of this course is to increase students' knowledge of physics, while continuing to cultivate scientific critical thinking skills.

# SOCIAL STUDIES COURSES

**SOC 1420**

**GEOGRAPHY 9**

9th ½ Credit  
1 Hour/1 Semester)

**(Required)**

This class will emphasize the use of geospatial skills, human systems, and human environmental interaction. A considerable amount of class time will focus on the cultural aspect of geography, the study of human-to-human interaction, as well as human interaction with the environment.

**SOC 1422**

**ECONOMICS 9**

9th ½ Credit  
(1 Hour/1 Semester)

**(Required)**

This is an introductory course in business and economics. The students will be exposed to many different areas of finance and business. Students will learn about checking accounts, saving for the future, basic insurance needs, consumer credit, and simple economic systems. They will also be given current information regarding careers and professional development. Each student will leave with an understanding of how to manage, budget, and use their future incomes to help make them successful.

**SOC 1430A & 1430B**

**WORLD HISTORY 10**

10th 1 Credit  
(1 Hour/1 Year)

**(Required)**

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 1440A & 1440B**

**US HISTORY 11**

11th 1 Credit  
(1 Hour/1 Year)

**(Required)**

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. The course will also include the completion of a History Day Project.

**SOC 1450**

**GOVERNMENT 12**

12th ½ Credit  
(1 Hour/1 Semester)

**(Required)**

Government 12 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 12 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.

**SOC 1452**

**ECONOMICS 12**

12th ½ Credit  
(1 Hour/1 Semester)

**(Required)**

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 1460

SOC 1462

(HIST 1565 &amp; 1566)

AMERICAN HISTORY I

11th ½ Credit

AMERICAN HISTORY II

11th ½ Credit

(1 Hour/1 Year)

Those taking these courses for college credit will receive 2 high school credits. (8 college 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.**


AP

SOC 1465

UNITED STATES GOVERNMENT & POLITICS

12th ½ Credit

(1 Hour/1 Semester)



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 1466

SURVEY OF ECONOMICS

12th ½ Credit

(ECON 1555)

(1 Hour/1 Semester)

(3 college credits)

Survey of 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.**

**NOTE: See CIS enrollment information.**

SOC 1468

MINNESOTA HERITAGE

10-11-12 ½ Credit

(1 Hour/1 Semester)

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\\_VtLg](https://drive.google.com/open?id=1PAeA--e61tDK_Y95Wu9bBY-GNS_VtLg)

SOC 1470

PSYCHOLOGY

11-12 ½ Credit

(PSYCH 2551)

(1 Hour/1 Semester)

(3 college credits)

This course offers students an engaging introduction to the essential topics in psychology. Throughout this study of human behavior and the mind, you will gain insight into the history of the field of psychology, as well as explore current theories and issues in areas of cognition, motivation, memory, personality, wellness, and abnormal and social psychology. **NOTE: See CIS enrollment information.**

SOC 1472

SOCIOLOGY

11-12 ½ Credit

(SOC 1555)

(1 Hour/1 Semester)

(3 college credits)

This course is a survey of characteristics of human group life with emphasis on the structure of the social environment and its influence upon the individual. We will examine the characteristics of human groups and factors associated with development of human groups along with social environments, structure of social environments, and their influences upon an individual's behavior. **NOTE: See CIS enrollment information.**

## SPEECH COURSES

SPCH 2200

(Required)

**SPEECH**

10-11-12 ½ Credit  
(1 Hour/1 Semester)

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.

## TECHNOLOGY COURSES

VSTS 2310A & 2310B

**VSTS I** -Technology in Society

9-10-11-12 1 Credit  
(1 Hour/1 Year)

**Prerequisite: Application Approval and Teacher Recommendation**

VIRGINIA STUDENT TECHNICAL SUPPORT 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.

VSTS 2312A & 2312B

**VSTS II** -Technology in Society II

9-10-11-12 1 Credit  
(1 Hour/1 Year)

**Prerequisite: Students must have completed VSTS I**

VIRGINIA STUDENT TECHNICAL SUPPORT 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 VSTS II will become team leaders to delegate technology tickets to VSTS I students. VSTS II students will help lead trainings and support for VSTS 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.

# CAREER EXPLORATION

## CE 1018A & 1018B

### Peer Tutoring/Mentoring

11-12 1 Credit  
(1 Hour/1 Year)

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

**This course will receive a Pass/Fail Grade and will not be included in GPA or Class Ranking**

Mentors are typically assigned a student or group of students who have difficulty with their academics. Mentors assist such student(s) in the classroom by guiding their note taking, re-teaching or reviewing concepts, prompting students to pay attention, facilitating group work, and reporting behaviors. Students enrolled in this course will be expected to provide guidance/assistance to specific designated classrooms or students at Roosevelt Elementary in grades 3-6 who need help to develop the work habits or study skills necessary to succeed in class. Students interested in exploring any type of career in human services, including teaching, are encouraged to register for this course. Students will be required to maintain a daily journal, complete a written paper, and complete other activities to show personal growth as a peer tutor/mentor. 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.

Mrs. Perkovich will provide the application to all those registering for the course.

## CE 1024A & 1024B

### Intro to Administrative Careers

11-12 1 Credit  
(1 Hour/1 Year)

**[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.

Mrs. Perkovich will provide the application to all those registering for the course.

# 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**      **RESOURCE FUNCTIONAL ENGLISH I**      9-10-11-12 1 Credit  
(1 Hour/1 Year)

Functional English I is a course developed for high school students who are currently on an IEP. This class teaches skills a students needs to live or make choices independently when in the community or caring for themselves. It includes concepts such as: recognizing letters, letter-sound relationship, phonemic awareness, survival signs, environmental print, personal data, addressing envelopes, thank you notes, cooking to learn. Case manager approval is required for students with a current IEP to register.

**ENG 2563A & 2563B**      **RESOURCE FUNCTIONAL ENGLISH II**      9-10-11-12 1 Credit  
(1 Hour/1 Year)

Functional English II is a course developed for students who are currently on an IEP. This class teaches skills a student needs to live or make choices independently when in the community or in caring for themselves. 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 1113A & 1113B**      **RESOURCE ENGLISH SR HIGH III**      9-10-11-12 1 Credit  
(1 Hour/1 Year)

Resource English Sr High III is an English course developed for students in 9th grade who are currently on an Individualized Educational Plan (IEP). Case manager approval is required for students with a current IEP to register.

**ENG 1114A & 1114B**      **RESOURCE ENGLISH SR HIGH IV**      9-10-11-12 1 Credit  
(1 Hour/1 Year)

Resource English Sr High IV is an English course developed for students in 9th grade who are currently on an Individualized Educational Plan (IEP). Case manager approval is required for students with a current IEP to register.

# SPECIAL EDUCATION RESOURCE MATHEMATICS COURSES

**MATH 2573A & 2573B**      **RESOURCE FUNCTIONAL MATH I**      9-10-11-12 1 Credit  
(1 Hour/1 Year)

Functional Math I is a course developed for high school students who are currently on an IEP. This class teaches skills a student needs to live or make choices independently when in the community or in caring for themselves. It includes concepts such as: one to one correspondence, number recognition, skip counting, operations (+,-,x,/), understanding time, telling time, money and measurement. Case manager approval is required for students with a current IEP to register.

**MATH 2574A & 2574B**      **RESOURCE FUNCTIONAL MATH II**      9-10-11-12 1 Credit  
(1 Hour/1 Year)

Resource Functional Math II is a course developed for high school 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 such as: 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 variable, describing geometric shapes, describing and classifying polygons, and describing and classifying 3 dimensional figures. Case manager approval is required for students with a current IEP to register.

**MATH 2575A & 2575B**      **RESOURCE INTERMEDIATE MATH I**      9-10-11-12 1 Credit  
(1 Hour/1 Year)

Intermediate Math I is a course developed for high school 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 such as: 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.

**MATH 1295A & 1295B**      **RESOURCE MATH I**      9-10-11-12 1 Credit  
(1 Hour/1 Year)

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.

**MATH 1296A & 1296B**      **RESOURCE MATH II**      9-10-11-12 1 Credit  
(1 Hour/1 Year)

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.

**MATH 1297A & 1297B****RESOURCE MATH III**9-10-11-12 1 Credit  
(1 Hour/1 Year)

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: Recognizes rational numbers in various forms and converts between forms, compare positive and negative rational numbers, solve multi-step problems involving rational numbers, use properties of algebra, use formulas to calculate area and circumference of circles and volume and surface area of cylinders, calculate probability, recognize a linear function, solves equations and inequalities using algebraic properties and applies the Pythagorean Theorem to solve problems. Case manager approval is required for students with a current IEP to register.

**MATH 1226A & 1226B****CO-TAUGHT HS ALGEBRA I**9-10-11-12 1 Credit  
(1 Hour/1 Year)

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

**MATH 1227A & 1227B****CO-TAUGHT GEOMETRY**10-11-12 1 Credit  
(1 Hour/1 Year)**This course is not offered in 18-19, it may be offered again in 19-20**

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. Students who are considering High School Algebra II or Pre-Calculus should enroll in this Geometry course.

**MATH 1241A & 1241B****CO-TAUGHT HS ALGEBRA II**11-12 1 Credit  
(1 Hour/1 Year)

Co-Taught 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.



# SPECIAL EDUCATION RESOURCE

## SOCIAL SKILLS, STUDY SKILLS & TRANSITION COURSES

RES 2550A & 2550B

### RESOURCE SOCIAL SKILLS

9-10-11-12 1 Credit  
(1 Hour/1 Year)

Emphasis is placed on deduction, but significant roles of induction and intuition are also stressed. Linear, Resource Social Skills 9-12 is a course developed for students who are currently on an IEP. This class teaches social emotional skills and provides a foundation for the skills to be applied to real world situations. This class uses relevant discussion based content. This class includes concepts such as: Mindsets and Goals, Values and Friendships, Thoughts, Emotions and Decisions, and Serious Peer Conflicts. Students taking this class will also receive support in study and organizational skills. Case manager approval is required for students with a current IEP to register.

RES 2555A & 2555B

### FRESHMAN SEMINAR 9

9th 1 Credit  
(1 Hour/1 Year)

Emphasis is placed on deduction, but significant roles of induction and intuition are also stressed. Linear, Freshman Seminar 9 is a course developed for 9th grade students who are currently on an IEP. This course will have two main parts. In this course students will discuss career interest, education/training needs, the application processes for post secondary options as well as employment. Case manager approval is required for students with a current IEP to register.

RES 2556A & 2556B

### TRANSITION SEMINAR 9

9th 1 Credit  
(1 Hour/1 Year)

Emphasis is placed on deduction, but significant roles of induction and intuition are also stressed. Linear, Transition Seminar 9 is a course developed for 9th grade students who are currently on an IEP. This course will look at the five areas of transition. This course focuses on personal management and will cover areas such as decision making, awareness of self, career exploration, overview of post secondary options, self advocacy. Case manager approval is required for students with a current IEP to register.

RES 2456A & 2456B

### RESOURCE WORK EXPERIENCE

10-11-12 1 Credit  
(1 Hour/1 Year)

Emphasis is placed on deduction, but significant roles of induction and intuition are also stressed. Linear, Work Experience 10-12 is a course developed for high school students in grades 10-12 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 2557A & 2557B

### POSTSECONDARY READINESS

11-12 1 Credit  
(1 Hour/1 Year)

Emphasis is placed on deduction, but significant roles of induction and intuition are also stressed. Linear, Post Secondary Transition Skills is a course developed for high school students in the 11th and 12th grade who are currently on an IEP. This class teaches students how to successfully navigate their post secondary options and study skills needed for post secondary education options. This course provides a foundation for the skills to be applied to real world situations. This class includes concepts such as: college trips, applying to college, job shadowing, Case manager approval is required for students with a current IEP to register.

RES 2558A & 2558B

### TRANSITION

11-12 1 Credit  
(1 Hour/1 Year)

Transition Skills is a course developed for high school students in the 11th and 12th grade who are currently on an IEP. This class teaches students how to successfully navigate their post secondary options and independent living skills. This course will cover areas such as effective communication skills, understanding the world of work, self advocacy, maintaining a healthy life, recreation and leisure, independent living. Case manager approval is required for students with a current IEP to register.

**RES 2458A & 2458B**      **RESOURCE ORGANIZATION & STUDY SKILLS**      9-10 1 Credit  
(1 Hour/1 Year)

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

**RES 1390A & 1390B**      **RESOURCE SCIENCE**      9-10-11-12 1 Credit  
(1 Hour/1 Year)

Science Sr High is a course developed for high school 9-12 graders who are currently on an IEP. This class teaches life science concepts that include: what is an organism, cells, classification, heredity & reproduction, evolution, bacteria & viruses, protist & fungi, plants, animals and the human body. This class also teaches physical science concepts that include: matter, motion & forces, work & energy, heat, sound, light, electricity and magnetism. Case manager approval is required for students with a current IEP to register.

## SPECIAL EDUCATION LIFE SKILLS COURSES

**RES 2553A & 2553B**      **RESOURCE RECREATION & LEISURE**      9-10-11-12 1 Credit  
(1 Hour/1 Year)

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.



# 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.