

Independent School District #2

**Master
Registration
Guide**



Updated February 2021

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Graduation Requirements

2020-21 Course Registration

- ❖ Check your credits and graduation requirements. Make sure you're on track to graduate.
- ❖ Look at the classes you plan to take in the future to see if there are prerequisites that you need to take now.
- ❖ Think about what you want to do after you graduate and take relevant courses. If you don't know what you want to do, try something new to see if it interests you.
- ❖ Remember, "elective" credits can be any credits beyond the required credits in any of the areas noted below, as well as any of the credits in the "Electives" portion of the course guide.

Hill City Graduation Requirements

English - 4 credits

Math - 3 ½ credits

Science - 3 ½ credits

Social - 3 ½ credits

P.E. - 1 ½ credits

Health - ½ credit

Fine Arts - 1 credit

Careers - ½ credit

Electives - 7 credits

Total of 25 credits needed to graduate

English required courses: 1 credit each of English 9 and 10 (plus 2 credits choice English)

Social required courses: 1 credit each of Civics, US History, and World History; ½ credit Economics

Math required courses: 1 credit each of Algebra 1, Algebra 2, and Geometry; (plus ½ credit choice Math)

Science required courses: 1 credit each of Science 9, Biology, Chemistry OR Physics; (plus ½ credit choice Science)

Registration Directions

1. Log into Parent Portal
2. Under your name choose “Academic Planner” then “Next”
3. Click in the box for the subject and year that you want to select classes for and your options will appear. Select the course(s) you would like. ** 9th and 10th grade required classes have been entered for you!*
4. Once you have selected your courses select “SAVE” at the top of the page - ignore the alert that pops up -- *it is saved!* This pop-up is noting that you have not completely filled out your plan for 4 years - *which is fine unless you are going to be a senior in which case you should check what you’re missing.*

Hill City High School
Credit Requirements and Registration Worksheet

Student Name _____ Registering for grade: 9 10 11 12

Required Credits	9th Grade Credits Earned	10th Grade Credits Earned	11th Grade Credits Earned	12th Grade Credits Earned	Remaining Required Credits
English 4 Credits	English 9-1____ English 9-2____	English 10-1____ English 10-2____	Composition 2107____ Dramatic Lit 2108____ Mass Comm 2110____ Novels 1 2111____ Novels 2 2112____ Creative Writing 2131____ RW Reading 2130____ RW Writing 2113____ Short Stories 2114____	Composition 2107____ Dramatic Lit 2108____ Mass Comm 2110____ Novels 1 2111____ Novels 2 2112____ Creative Writing 2131____ RW Reading 2130____ RW Writing 2113____ Short Stories 2114____ TPCIS Comp 1____ TPCIS Comp 2____	
Social 3 ½ Credits	Civics 9-1____ Civics 9-2____	US History 1____ US History 2____	World History 1____ World History 2____ Economics____	World History 1____ World History 2____ Economics____	
Science 3 ½ Credits	Physical Sci 9-1____ Physical Sci 9-2____	Biology 1____ Biology 2____	Chem 1 2306____ Chem 2 2307____ Ag/Horticulture 2342____ Environ Sc 2344____	Chem 1 2306____ Chem 2 2307____ Ag/Horticulture 2342____ Environ Sc 2344____	
Math 3 ½ Credits	Algebra 1-1____ Algebra 1-2____	Geometry 1____ Geometry 2____	Algebra 2-1____ Algebra 2-2____	RW Math 2221____ Pro &Stats 2208____ Trig/Calc 2209____ (yearlong 1 cr) TPCIS Pre Calc____ TPCIS Algebra____ TPCIS Coll Alg____ TPCIS Intro Stats____	
Physical Ed. 1 ½ Credits					
Health ½ Credit					
Fine Arts 1 Credit					
Careers ½ Credit					
Total Required: 25 Credits	Elective Credits ____ Total:_____	Elective credits ____ Total:_____	Elective Credits____ Total:_____	Elective Credits____ Total:_____	

***Additional credits in any area go toward the 7 required elective credits.**

Schedule Changes

Changes in a student's class schedule should be made at the start of the new school year. Stop by the Counseling Office to consult with the Counselor about your proposed schedule change. A student may drop a class and add another during the first week at the beginning of each semester. Dropping and adding classes is not encouraged after the first day of classes. Student schedules may be changed at the discretion of school officials based on needs determined after grades and test scores are received. All drop/add proposals are handled through the Counseling Office.

Educational Options

The Counseling Office at Hill City High School is interested in helping you develop to the best of your abilities. Career counseling is an important part of your junior and senior high school education. If you need help in deciding which classes will prepare you for your future plans, contact us. If you need information on careers, schools, financial aid, and scholarships, come to the Counseling Office.

A. Postsecondary Enrollment Options (PSEO) are **Not included in Honor Roll Calculation**

PSEO Criteria:

-Juniors need a GPA of 3.2 or higher

-Seniors need a GPA of 3.0 or higher

-Qualifying Accuplacer Score

Postsecondary Enrollment Options (PSEO) is a program that allows 10th-, 11th- and 12th-grade students to earn both high school and college credit while still in high school, through enrollment in and successful completion of college-level, nonsectarian courses at eligible participating postsecondary institutions. Most PSEO courses are offered on the campus of the postsecondary institution; some courses are offered online. Each participating college or university sets its own requirements for enrollment into the PSEO courses. Eleventh and 12th-grade students may take PSEO courses on a full- or part-time basis; 10th graders may take one career/technical PSEO course. If they earn at least a grade C in that class, they may take additional PSEO courses.

B. Infinity Online Learning: ***These classes are not included in Honor Roll calculations.**

The online program is a collaborative effort between eight districts to provide alternative curriculum opportunities through online courses to students in our region. This program allows students to take classes via the internet. All courses are taught by licensed Minnesota teachers from our region, and are aligned with Minnesota Academic Standards. For more information, contact the Counselor or visit the website at <http://www.mninfinity.org>

C. Telepresence:

Tele-Presence Immersion is a form of instructional delivery that allows students from multiple schools to collaborate and learn together. A teacher in one location delivers instruction and students from multiple locations receive the instruction via technology. It is a highly interactive learning environment

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that increases the options for students. Students wishing to enroll in TelePresence courses should be self-motivated and independent learners that can collaborate effectively with students and staff. A heavy emphasis on student participation and individual technologies (Laptops, iPads, Google Docs) is required for success within this learning framework, but instruction on how to use these items will be provided.

D. ALI

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 workforce opportunities, and college to further their education.

E. Independent Study Program

This program is in addition to the regular curriculum. It is a learning activity which is primarily motivated by the student's own aspirations to learn. It can provide for a particular student's needs and interests for post-secondary preparation beyond high school. It also allows a student a way to earn extra credit he/she may need. Independent Study applications and information are available in the Counseling Office and the Main Office. All independent study applications must have a teacher as the supervisor and the counselor's approval.

F. Work Release Program

This program is available for students who are in good standing for graduation. The program allows students opportunities to get on-the-job training for two hours a day. It has led to many students getting and/or keeping summer jobs as well as getting valuable work experience. Stop at the Counseling Office for more information. Credit values are; 1 credit per year or 1/2 credit per semester.

G. MCIS

The Minnesota Career Information System (MCIS) is an Internet-based system that combines a wealth of career, educational and labor market information into one comprehensive, easy-to-use exploration tool. MCIS: All Hill City Students will be using MCIS to develop their Personal Learning Plan.

- * Learn about over 520 occupations
- * Develop a personal portfolio and personal learning plan
- * Research colleges, universities, and career schools
- * Find scholarships and financial aid
- * Improve job search skills and create a resume

J. Upward Bound

Upward Bound works with high school students (9th – 12th grade) to help prepare them for college success! In Upward Bound you will:

- Improve study skills
- Build your resume
- Visit colleges
- Apply to colleges
- Apply for financial aid including scholarships
- Discover your passion
- Prepare for the ACT
- Shadow professionals in your field of interest
- Learn about different colleges
- Have fun!

See your High School Counselor for an application.

K. Service Learning

TAS - Teachers Aid/Students

Grades eligible: 10-12

Locations: Classroom

Max credit allowed: No Credit

Grading: Pass/Fail * Not Included in Honor Roll

Descriptions: Students primary responsibility will be working with students: tutoring, reading to/with, assisting in spelling practice, assisting the teacher, etc. Expectations will be written out by the teacher.

Recommendations for College Entrance

What should I take if I expect to go on to college?

If you plan to attend a liberal arts college, be sure you meet the entrance requirements. Entrance requirements vary with each college. The counselor's office has catalogs which can answer most of your questions concerning individual colleges. Requirements for most colleges include credits taken during the ninth through twelfth grades. Eleven of these should be academic units. Several colleges specify in what areas these 11 units should be.

Many colleges require 4 years of English, 3 years of mathematics, 2 years of foreign languages, 3 years of social studies, and 3 years of sciences. Non-academic courses or vocational units include business education, industrial arts, home economics, art and music.

Non-academic courses are often encouraged for students who plan on taking college training related to that area. For example, a basic understanding of industrial arts is valuable for the engineer, a basic understanding of home-economics is valuable for the agronomist, and a basic understanding of music is essential for the musician, etc.

What do colleges look for in their applicants?

College admissions offices look at High School Rank (HSR) as the best single predictor of college success, followed closely by College Entrance Examinations (CEE). A combination of HSR and CEE yields a higher college success predictor than either do individually. Therefore, most colleges use both of these criteria in rendering admission decisions. Some CEE are:

ACCUPLACER College Placement Test

PSAT Preliminary Scholastic Aptitude Test (offered to Juniors)

SAT Scholastic Aptitude Test

ACT American College Testing Program (offered to Juniors)

These tests or similar ones, will be available during your junior and senior years. Testing dates will be announced and arrangements to take the test can be made at that time. It is recommended that all pupils who plan on applying for admission to any college should check to see what the admission requirements are.

Students with a disability may qualify for accommodations for college entrance or placement exams, such as the Accuplacer/ACT/SAT. For details, talk to the testing coordinator, counselor, or visit the following websites: www.act.org; <http://act.org/aap/minnesota/act.html>; or www.collegeboards.com.

Courses

CAREERS

.5 Credit Required

#2605 Careers

Prerequisite: none

Duration: 1 semesters

Credit: ½ credit

Open to: 9-12

Description: This course will be using MCIS comprehensive career information and planning system for high school students and adults. It includes a wealth of information on occupations, postsecondary schools of all types, scholarships, job search skills and much more. Users are able to create personal portfolios that support lifelong career planning and promote career self-reliance. MCIS includes tools that encourage self-assessment, exploration, research, goal setting, and decision-making.

ENGLISH

4 Credits Required

#2102 English 9-1

Prerequisite: none

Duration: 1 semesters

Credit: ½ credit

Open to: 9

Description: Ninth Grade English focuses on reading, analyzing, and evaluating a variety of grade-appropriate literary texts. Vocabulary expansion and comprehension strategies are used. Narrative, expository, descriptive, persuasive, and critical writing is taught; including instruction in spelling, grammar, and usage. Speaking skills are stressed, and instruction includes speaking clearly and effectively for a variety of purposes and audiences. Media literacy focuses on a critical analysis of information found in electronic and print media.

#2103 English 9-2

Prerequisite: English 9-1

Duration: 1 semesters

Credit: ½ credit

Open to: 9

Description: Ninth Grade English focuses on reading, analyzing, and evaluating a variety of grade-appropriate literary texts. Vocabulary expansion and comprehension strategies are used. Narrative, expository, descriptive, persuasive, and critical writing is taught; including instruction in spelling, grammar, and usage. Speaking skills are stressed, and instruction includes speaking clearly and effectively for a variety of purposes and audiences. Media literacy focuses on a critical analysis of information found in electronic and print media.

#2104 English 10-1

Prerequisite: none
Duration: 1 semesters
Credit: ½ credit
Open to: 10

Description: This course is required for all Sophomores and they will be expected to be enrolled in both semesters. This course is an overview of the fundamentals of critical thinking, writing and reading with a focus on nonfiction as a background for future electives.

#2107 Composition

Prerequisite: none
Duration: 1 semesters
Credit: ½ credit
Open to: 11, 12

Description: The basics of writing skills will be covered. Creative writing and narratives are included, but expository forms will be emphasized. Literary analysis and research techniques are studied to help prepare the college-bound student.

#2108 Dramatic Literature

Prerequisite: none
Duration: 1 semesters
Credit: ½ credit
Open to: 11, 12

Description: This course will center around drama as a form of literature. Reading plays will be the basis for literary analysis, as well as exploring the theatre and technical production. Reading, writing and discussing plays, as well as acting exercises will make up the course.

#2116 Multicultural Lit

Prerequisite: none
Duration: 1 semesters
Credit: ½ credit
Open to: 11, 12

Description: This literature course will integrate diverse writers while exploring common themes in American Literature. Short stories, poetry and novels will be studied. Focus will be on storytelling as an art form. Cultural diversity will be explored through literature. This class will explore and practice a variety of reading strategies for success in reading assignments across the curriculum.

#2112 Novels 2

Prerequisite: Novels
Duration: 1 semesters
Credit: ½ credit
Open to: 11, 12

Description: This course focuses on literary themes, styles and genres. Novels alternate between assigned class reading and individual choice reading. Analysis will involve some oral and written skills.

#2105 English 10-2

Prerequisite: English 10-1
Duration: 1 semesters
Credit: ½ credit
Open to: 10

Description: This course is required for all Sophomores and they will be expected to be enrolled in both semesters. This course is an overview of the fundamentals of critical thinking, writing and reading with a focus on nonfiction as a background for future electives.

#2131 Creative Writing

Prerequisite: none
Duration: 1 semesters
Credit: ½ credit
Open to: 11, 12

Description: Courses in this classification develop a student's writing technique and style in poetry, short story, drama, essays and other forms of prose. The emphasis of these courses is on writing; however, students may study exemplary texts to obtain a fuller appreciation of the form and craft. Some creative writing classes cover several forms; others concentrate on one particular form.

#2110 Mass Communication

Prerequisite: none
Duration: 1 semesters
Credit: ½ credit
Open to: 11, 12

Description: Students will examine the ways that communication plays a role in American society. Speech writing, public speaking, mass media, political speaking and interpersonal or small group communication will all be studied. This class will focus on media literacy.

#2111 Novels

Prerequisite: none
Duration: 1 semesters
Credit: ½ credit
Open to: 11, 12

Description: This course focuses on literary themes, styles and genres. Novels alternate between assigned class reading and individual choice reading. Analysis will involve some oral and written skills.

#2114 Short Stories

Prerequisite: Novels
Duration: 1 semesters
Credit: ½ credit
Open to: 11, 12

Description: This course focuses on the form of the short story, with particular attention to author's craft and voice. In addition to in-depth author studies, students will explore literary themes and movements.

#2130 Real World Reading

Prerequisite: none

Duration: 1 semesters

Credit: ½ credit

Open to: 11, 12

Description: Teacher recommendation is required for enrolling in this course. This course is geared for the student who needs improvement in the basics of written and oral communication skills. Reading and organizational skills will be emphasized. Job related concerns will be included for vocational areas pursued after high school graduation.

#2113 Real World Writing

Prerequisite: none

Duration: 1 semesters

Credit: ½ credit

Open to: 11, 12

Description: This class will focus on writing that students will do in the “real-world” of work. Students will write to express themselves, to share information, to communicate with a wide audience, to persuade, and for various other purposes. The students will explore and practice the writing process using models of professional writing. Students will create resumes and scholarship essays they will be able to use for applications.

TP101NL CIS Composition 1

Prerequisite:

Duration: 1 semesters

Credit: ½ credit

Open to: 11, 12

Description: In this course, students will compose a minimum of seven formal essays. Essays may include, but are not limited to, the following writing genres: descriptive, narrative, literary, and expository (classification, compare and contrast, critical analysis, definition, example, and process analysis), and argument. Students may also be asked to write journals, a resume and cover letter, and to review grammar. * Highly recommended for seniors who have completed prior CIS coursework in English as juniors.

FINE ARTS

1 Credit Required

#2702 Band-1

Prerequisite: Band experience or instructor’s approval

Duration: 1 semester

Credit: ½ credit

Open to: 9-12

Description: Study and performance of concert and pep band literature with emphasis on music fundamentals, performance skills and creative self-expression. Each student will schedule a minimum of four lessons per quarter. Performances include: Winter and Spring Concerts; District Band Contest; various service-related performances (games, pep assembly, marching to be announced).

#2703 Band-2

Prerequisite: Band experience or instructor’s approval

Duration: 1 semester

Credit: ½ credit

Open to: 9-12

Description: Study and performance of concert and pep band literature with emphasis on music fundamentals, performance skills and creative self-expression. Each student will schedule a minimum of four lessons per quarter. Performances include: Winter and Spring Concerts; District Band Contest; various service-related performances (games, pep assembly, marching to be announced).

#2705 Choir-1

Prerequisite: none
Duration: 1 semester
Credit: ½ credit
Open to: 9-12

Description: Any student who enjoys singing, wishes to develop their poise, self-confidence and learn performance techniques should enroll. Chorus content emphasizes vocal training, sight reading, musical style, interpretation, group cooperation and music fundamentals. Performance preparation for Winter and Spring concerts are included along with preparation and performance for the District Choir Contest. In addition to concerts, students are encouraged to use their vocal talents to perform in the spring at the Sub-Sectional Contest.

#2710 Crafts

Prerequisite: none
Duration: 1 semester
Credit: ½ credit
Open to:

Description: Students will explore the line between Art and Craft and how handcrafts entered the artwork during the Industrial Revolution. The students will work with crafts such as pottery, fiber arts, batik, bookmaking and papermaking.

#2716 Drawing

Prerequisite: none
Duration: 1 semester
Credit: ½ credit
Open to:

Description: Drawing is the most basic and often challenging way to record the world around us. In this course students will expand their drawing skills in a variety of drawing media and papers. Students will be introduced to advanced techniques. Students will explore the use of pencil, ink, pastel and colored pencils.

#2720 Painting

Prerequisite: none
Duration: 1 semester
Credit: ½ credit
Open to:

Description: Students will be introduced to painting techniques while working with acrylics, watercolors and oil paints. Students will explore how major historical events have changed painting styles.

#2706 Choir-2

Prerequisite: none
Duration: 1 semester
Credit: ½ credit
Open to: 9-12

Description: Any student who enjoys singing, wishes to develop their poise, self-confidence and learn performance techniques should enroll. Chorus content emphasizes vocal training, sight reading, musical style, interpretation, group cooperation and music fundamentals. Performance preparation for Winter and Spring concerts are included along with preparation and performance for the District Choir Contest. In addition to concerts, students are encouraged to use their vocal talents to perform in the spring at the Sub-Sectional Contest.

#2714 Digital Photography

Prerequisite: none
Duration: 1 semester
Credit: ½ credit
Open to: 10-11-12

Description: This course will explore the world of photography in the digital age. We will learn basic camera techniques, composition guidelines and what makes a good photo.

#2718 Mixed Media

Prerequisite: none
Duration: 1 semester
Credit: ½ credit
Open to:

Description: Ever wonder what makes a drawing a drawing? Or a painting a painting? In this course students will be introduced to techniques that blur the lines of what we know of as art. Students will learn how to use multiple media to communicate artistic ideas.

#2722 Sculpture

Prerequisite: none
Duration: 1 semester
Credit: ½ credit
Open to:

Description: Students will be introduced to advanced techniques for creating three dimensional art forms. They will explore several media including clay, wood, textiles, metal, papier-mache, as well as study various artists related to the media.

MATH

3.5 Credits Required

#2202 Algebra 1-1

Prerequisite: none
Duration: 1 semester
Credit: ½ credit
Open to: 9

Description: Algebra 1 is a class that develops students' skills that were introduced in Math 8. They will work with graphing, equations, tables, systems of equations, polynomials, and mathematical functions.

#2206 Geometry 1

Prerequisite: Algebra 1
Duration: 1 semester
Credit: ½ credit
Open to:

Description: Geometry provides students with experiences that deepen the understanding of two and three-dimensional objects and their properties. Deductive and inductive reasoning as well as investigative strategies in drawing conclusions are stressed. Properties and relationships of geometric objects include the study of: (1) points, lines, angles and planes; (2) polygons, with a special focus on quadrilaterals, triangles, right triangles; (3) circles; and (4) polyhedra and other solids. An understanding of proof and logic is developed.

#2204 Algebra 2-1

Prerequisite: Algebra 1
Duration: 1 semester
Credit: ½ credit
Open to:

Description: Reinforces trigonometry concepts and provides practice with statistics. Real-world problems and applications for other subjects like physics and chemistry are also included. Graphing calculator labs investigate and model mathematical situations.

#2221 Real World Math

Prerequisite: Algebra 2
Duration: 1 semester
Credit: ½ credit
Open to: 12

Description: This course will help to give students the mathematical tools used in daily tasks and personal money management. Topics will include preparation of budgeting, saving and checking products, credit cards, loans, and apartment leases, preparations for life changes, and how to file your taxes. This course is designed to provide each student with the basic and necessary life skills.

#2203 Algebra 1-2

Prerequisite: Algebra 1-1
Duration: 1 semester
Credit: ½ credit
Open to: 9

Description: Algebra 1 is a class that develops students' skills that were introduced in Math 8. They will work with graphing, equations, tables, systems of equations, polynomials, and mathematical functions.

#2207 Geometry 2

Prerequisite: Geometry 1
Duration: 1 semester
Credit: ½ credit
Open to:

Description: Geometry provides students with experiences that deepen the understanding of two and three-dimensional objects and their properties. Deductive and inductive reasoning as well as investigative strategies in drawing conclusions are stressed. Properties and relationships of geometric objects include the study of: (1) points, lines, angles and planes; (2) polygons, with a special focus on quadrilaterals, triangles, right triangles; (3) circles; and (4) polyhedra and other solids. An understanding of proof and logic is developed.

#2205 Algebra 2-2

Prerequisite: Algebra 2-1
Duration: 1 semester
Credit: ½ credit
Open to:

Description: Reinforces trigonometry concepts and provides practice with statistics. Real-world problems and applications for other subjects like physics and chemistry are also included. Graphing calculator/Desmos labs investigate and model mathematical situations.

#2208 Prob & Statistics

Prerequisite: Algebra 2
Duration: 1 semester
Credit: ½ credit
Open to: 12

Description: This course is an introductory course in probability and statistics, covering methods for organizing and summarizing data, elementary probability, and an introduction to statistical hypotheses testing.

#2212 College Algebra

Prerequisite: Algebra 2

Duration: 1 semester

Credit: ½ credit

Open to: 12

Description: College Algebra will prepare students for the college level math classes. We will cover the topics students will have going into their college algebra classes. We will review functions, polynomials, exponentials, systems of equations, matrices, and probability.

#2209 Trig/ Pre-Calc

Prerequisite: Algebra 2

Duration: Yearlong

Credit: 1 credit

Open to: 12

Description: Precalculus is the study of periodic and cyclical functions. Precalculus will study these and the advanced algebra skills used in advanced mathematics. It will include such topics as: Rational, Polynomial, Inverse, Logarithmic, exponential and trigonometric functions and their related graphs. Angle and analytic trigonometry: Students will be using skills developed in all their previous math courses, and will be expected to integrate previous coursework into a united whole.

TP205NL CIS Intro College Algebra

Prerequisite: Algebra 2

Duration: 1 semester

Credit: ½ credit

Open to: 12

Description: This course will review many introductory algebra topics as well as introduce some new topics in algebra. Topics taught in this course include: linear equations, linear inequalities, equations of lines, graphing, exponents polynomials, factoring, systems of equations, quadratic equations, rational expressions and equations complex numbers, radicals, absolute value equations and inequalities, and functions. Additional topics may also be covered.

TP206NL CIS College Algebra

Prerequisite: CIS Intro College Algebra

Duration: 1 semester

Credit: ½ credit

Open to: 12

Description: This course is a college level math course that covers topics such as functions and graphs, inverse functions, linear functions and equations, quadratic functions and equations, polynomial functions, rational functions, radical functions, exponential functions, logarithmic functions, systems of equations and inequalities, and problem solving. A graphing approach will be used in this course and therefore the use of a graphing calculator will be highly emphasized.

PHYSICAL EDUCATION/HEALTH

1.5 PE Credit & .5 Health Credit Required

#2508 Health

Prerequisite: none
Duration: 1 semester
Credit: ½ credit
Open to: 9

Description: The Health program will present the subject of Health in relation to the needs of the students. The Health program must be viewed as an ever changing curriculum area and will touch on areas ranging from making responsible decisions, weight management and eating disorders, mental and emotional health, building self-esteem, managing stress, coping with loss, preventing suicide, use, misuse and abuse of drugs, adolescent relationships and responsibilities, preventing abuse and violence, sexually transmitted diseases, STIs and HIV/AIDS infection, environmental and public health, safety and risk reduction.

#2514 Health and Fitness for Life

Prerequisite: none
Duration: 1 semester
Credit: ½ credit
Open to: 9-12

Description: This course will explore the importance of the five components of physical fitness, nutrition and stress management concepts. Instruction and activities will increase individual health and wellness. Activities include weight room, yoga, healthy cooking, meal planning and classroom instruction on dietary guidelines and fitness goal planning.

#2515 Lifetime Activities

Prerequisite: none
Duration: 1 semester
Credit: ½ credit
Open to: 9-12

Description: This course reinforces the importance of physical activity to one's health and in doing so, introduces students to various lifetime sports and recreational activities as fun and socially engaging options one might pursue to meet physical activity guidelines. Developing sport skill competency and understanding of key tactical aspects of game play/competition are associated with participation and therefore, are major focal points throughout the class.

#2506 Fit for Life

Prerequisite: none
Duration: 1 semester
Credit: ½ credit
Open to: 9-12

Description: This course will begin with an 8-week beginner's walking/running program. This is a walk/run program which will gradually build until students are able to run continuously for 30 minutes at the conclusion of the program. There will also be times when we will do some cross-training by doing activities such as biking. Students will be outside for this class as much as possible, weather permitting of course. After the conclusion of the walk/run program, each student will be designing their own fitness plan to be carried out for the remainder of the semester. Fitness plans can be based on overall fitness or training the body for a specific sport. Fitness plans should be individualized in order for students to meet a realistic fitness goal at the end.

#2504 Intro to Fitness & Strength Training

Prerequisite: none
Duration: 1 semester
Credit: ½ credit
Open to: 9-12

Description: The building blocks of both fitness and strength training would be instilled. You will learn both safety and proper technique to a wide range of lifts. A strength training or fitness training plan will be tailored for each individual student, whether that is to excel in a sport or to just become stronger and feel healthier.

#2502 Outdoor Life

Prerequisite: none
Duration: 1 semester
Credit: ½ credit
Open to: 9-12

Description: This class will be focused on a wide range of activities that are outside, such as: hiking, biking, orienteering, fishing, and hunting skills. The class will be based on getting outside and using the environment to your advantage.

#2512 Sport Fitness 1

Prerequisite: none

Duration: 1 semester

Credit: ½ credit

Open to: 9-12

Description: This course offers students various fitness training techniques with additional emphasis on cardiovascular training and development. Lifetime sport activities are offered seasonally. All weight and cardio training will be sport specific for student-athletes enrolled in this class. Students will receive 4 days of weight lifting and cardio training and 1 day of seasonal lifetime sports. Students will target specific muscle groups no more than every other day in order to allow for proper rest time. On days when the student-athletes have contests they will focus on the seasonal sports aspect of this class.

#2503 Rec Life Skills

Prerequisite: none

Duration: 1 semester

Credit: ½ credit

Open to: 9-12

Description: This physical education program covers a wide variety of activities. Along with fitness assessments, sports such as football, volleyball, basketball, softball and soccer receive emphasis. Lifetime activities supplement the program as the seasons and available activity space changes. Tennis, badminton, pickleball, and racquetball are just a few of many activities.

#2513 Sport Fitness 2

Prerequisite: none

Duration: 1 semester

Credit: ½ credit

Open to: 9-12

Description: This course offers students various fitness training techniques with additional emphasis on cardiovascular training and development. Lifetime sport activities are offered seasonally. All weight and cardio training will be sport specific for student-athletes enrolled in this class. Students will receive 4 days of weight lifting and cardio training and 1 day of seasonal lifetime sports. Students will target specific muscle groups no more than every other day in order to allow for proper rest time. On days when the student-athletes have contests they will focus on the seasonal sports aspect of this class.

SCIENCE

3.5 Credits Required

#2302 Science 9-1

Prerequisite: none

Duration: 1 semester

Credit: ½ credit

Open to: 9

Description: Physical Science is the study of both chemistry and physics. Chemistry is the study of matter and how it changes. Physics is the study of matter and energy and how they interact. This course is an introduction to the high school chemistry and physics courses.

#2304 Biology 1

Prerequisite: none

Duration: 1 semester

Credit: ½ credit

Open to: 10

Description: This course offers interest in the following disciplines: cells and cell structures, and genetics. Biology 1 outlines the history of biology, discusses scientific investigation and characteristics of living things. The major themes of this course include the Practice of Science, Interactions Among Science, Technology, Engineering, Mathematics, and Society.

#2306 Chemistry 1

Prerequisite: Science 9

Duration: 1 semester

Credit: ½ credit

Open to: 11-12

Description: Chemistry is the study of matter and how it changes. When thinking about chemistry, we think of chemical reactions which are the processes by which matter changes. Students not only observe reactions, but also understand how to write chemical equations, and use chemical formulas. Topics covered are the states of matter and what happens during the changes from one to another. Students will also learn about the Periodic Table.

#2308 Physics 1

Prerequisite: Algebra 1

Duration: 1 semester

Credit: ½ credit

Open to: 11-12

Description: It is recommended that students enrolling in this course complete math courses through Geometry before attempting Physics. The first semester covers the following topics: force, motion and energy. The labs will use computers to collect data and to help analyze.

#2303 Science 9-2

Prerequisite: Science 9-1

Duration: 1 semester

Credit: ½ credit

Open to: 9

Description: Physical Science is the study of both chemistry and physics. Chemistry is the study of matter and how it changes. Physics is the study of matter and energy and how they interact. This course is an introduction to the high school chemistry and physics courses.

#2305 Biology 2

Prerequisite: Biology 1

Duration: 1 semester

Credit: ½ credit

Open to: 10

Description: This course covers the broad topics of the history of life, evolution, simple plants, flowering plants, and the animal kingdom, as well as an introduction to ecology and a changing climate, biotic communities, and environmental problems. The major themes of this course include Structure and Function in Living Systems, Interdependence Among Living Systems, Evolution in Living Systems, and Human Interactions with Living Systems.

#2307 Chemistry 2

Prerequisite: Chemistry 1

Duration: 1 semester

Credit: ½ credit

Open to: 11-12

Description: A continuation of Chemistry 1 which will include topics such as stoichiometry, states of matter, gas laws, reaction rates and equilibrium, solutions, and biochemistry.

#2309 Physics 2

Prerequisite: Physics 1

Duration: 1 semester

Credit: ½ credit

Open to: 11-12

Description: This semester continues the exploration of the physical world by examining heat energy, light, electricity and magnetism. During the year as much time as possible will be used to collect data by using computers.

#2311 Advanced Astronomy

Prerequisite: none
Duration: 1 semester
Credit: ½ credit
Open to:

Description: An intense study of the universe. Focus will be on possibly habitable moons of the outer planets, age and size of galaxies and universe, dark matter and dark energy.

#2343 Forestry and Natural Resource Management

Prerequisite: Biology
Duration: 1 semester
Credit: ½ credit
Open to: 11-12

Description: This course will explore all aspects of forestry and natural resource management. Topics in forestry and natural resource management will include: plant biology, invasive species, biodiversity, mutually beneficial plant and animal relationships, communities, populations, native plants, management of local natural resources. Students will be required to work outside in the Hill City School forests. Outside activities could include: tree planting, tree harvesting, tree and plant identification, brush clearing, species cataloging and animal population estimates.

#2342 Agriculture and Horticulture

Prerequisite: Biology
Duration: 1 semester
Credit: ½ credit
Open to: 11-12

Description: This class will explore the many aspects of agriculture and horticulture. Topics in agriculture and horticulture science will include: design and implementation of the Hill City School garden, planning and design of Hill City School Orchard, conservation, sustainability, land and water issues, industrial farming, invasive species, plant genetics, GMO, biodiversity, mutually beneficial plant and animal relationships, native plants, and nutrition.

#2344 Environmental Science

Prerequisite: Biology
Duration: 1 semester
Credit: ½ credit
Open to: 11-12

Description: This course will explore all aspects of environmental science. It is a multidisciplinary field that integrates physical, biological and information sciences. Topics that will be included in this class will include; water pollution, air pollution, acid rain, climate change mining, land development, habitat loss, and wastewater treatment.

SOCIAL STUDIES

3.5 Credits Required

#2402 Civics 9-1

Prerequisite: none
Duration: 1 semester
Credit: ½ credit
Open to: 9

Description: This Civics course offers to the student a cross section of material which every student should know. It provides a full coverage of government; principles, procedures, structure, functions and problems. It also provides some historical background, as well as current problems facing our federal, state and local governments. Designed to instill in students the qualities of good citizenship that will enable them to put their knowledge into action by fully participating in a democratic society.

#2403 Civics 9-2

Prerequisite: Civics 9-1
Duration: 1 semester
Credit: ½ credit
Open to: 9

Description: This Civics course offers to the student a cross section of material which every student should know. It provides a full coverage of government; principles, procedures, structure, functions and problems. It also provides some historical background, as well as current problems facing our federal, state and local governments. Designed to instill in students the qualities of good citizenship that will enable them to put their knowledge into action by fully participating in a democratic society.

#2404 US History 10-1

Prerequisite: none

Duration: 1 semester

Credit: ½ credit

Open to: 10

Description: Students will be exposed to numerous primary and secondary documents as they study Prehistory to the Civil War and Reconstruction to develop and understanding and appreciation for American History.

#2406 World History 1

Prerequisite: none

Duration: 1 semester

Credit: ½ credit

Open to: 11-12

Description: This social science course will study the periods from prehistory through regional interactions 1500 Common Era (A.D.). Students will study Ancient Civilizations and Classical Civilizations and the Middle Ages, paying attention to the components of religion, information/communication, economy, social structures, education, and government.

#2409 Economics

Prerequisite: none

Duration: 1 semester

Credit: ½ credit

Open to: 11-12

Description: Can't buy everything you'd like? Neither can other people, businesses, or governments. Discover how they solve this problem and their relationship with each other. Study how you can operate more intelligently and efficiently in our economic society. For the student who would like to explore the requirements of owning or managing their own business, this class is designed to give students an interesting insight into the characteristics, organization, and operation of business. Coverage includes: Nature of capitalism, private enterprise ethic, business and economic environment ownership, marketing, finance, advertising, computer managerial application, etc.

#2410 Psychology (Elective Credit)

Prerequisite: none

Duration: 1 semester

Credit: ½ credit

Open to: 11-12

Description: This course presents basic knowledge of psychological theories of developmental psychology; human behavior; learning, memory, thinking, language and communication; motivation and emotion; personality, aptitude, and intelligence.

#2405 US History 10-2

Prerequisite: US History 10-1

Duration: 1 semester

Credit: ½ credit

Open to: 10

Description: From reshaping the nation and the emergence of modern America (1877-1916) to Contemporary America, students will learn from this course the social and political history of the United States into the 21st century.

#2407 World History 2

Prerequisite: World History 1

Duration: 1 semester

Credit: ½ credit

Open to: 11-12

Description: From the emergence of a global age with the advent of the Renaissance to the post-WWII period, students will learn about the effects of globalization, technology, and changes in modern day warfare.

#2418 Minnesota History

Prerequisite: none

Duration: 1 semester

Credit: ½ credit

Open to: 10-12

Description: Minnesota History will explore the history of Minnesota from the Ice Age to present day. Students will learn about the people, communities, rituals, landscape and many more topics that make Minnesota unique.

#2411 Sociology (Elective Credit)

Prerequisite: none

Duration: 1 semester

Credit: ½ credit

Open to: 11-12

Description: This course examines the systematic study of the development, structure, interaction, and collective behavior of organized groups of human beings.

ELECTIVES

#2791 Spanish 1-1

Prerequisite: none

Duration: 1 semester

Credit: ½ credit

Open to: 9-12

Description: Spanish 1 gives students a basic understanding of the Spanish language through listening, speaking, reading and writing instruction. The course also provides an understanding of the civilization, culture, and customs of Spanish-speaking people. This course covers only that grammar and structure absolutely necessary for speaking. The course is intended for students with no previous knowledge of the Spanish language.

#2793 Spanish 2-1

Prerequisite: Spanish 1

Duration: 1 semester

Credit: ½ credit

Open to: 9-12

Description: In Spanish 2, there will be a greater emphasis on the students' speaking ability. This course furthers the knowledge of students' language skills through review of the fundamentals of Spanish structure, further grammar and vocabulary study, and by emphasizing oral reading comprehension and self-expression in speaking and writing. The course also expands students' understanding of the civilization, culture and customs of Spanish-speaking people.

#2795 Spanish 3-1

Prerequisite: Spanish 2-2

Duration: 1 semester

Credit: ½ credit

Open to: 9-12

Description: The class will be speaking in Spanish. Speaking skills will be emphasized. You will need to communicate completely in Spanish. You will work with complex tenses and write stories of three to four paragraphs long in Spanish. You will continue to learn about the Spanish culture.

#2797 World Cultures

Prerequisite: none

Duration: 1 semester

Credit: ½ credit

Open to: 9-12

Description: Designed to introduce students to two or more languages in a single course of study. Courses in this classification provide students with general information about the spoken and written languages and introduce the relationships among the products, practices, and perspectives of the associated cultures.

#2792 Spanish 1-2

Prerequisite: Spanish 1-1

Duration: 1 semester

Credit: ½ credit

Open to: 9-12

Description: Spanish 1 gives students a basic understanding of the Spanish language through listening, speaking, reading and writing instruction. The course also provides an understanding of the civilization, culture, and customs of Spanish-speaking people. This course covers only that grammar and structure absolutely necessary for speaking. The course is intended for students with no previous knowledge of the Spanish language.

#2794 Spanish 2-2

Prerequisite: Spanish 2-1

Duration: 1 semester

Credit: ½ credit

Open to: 9-12

Description: In Spanish 2, there will be a greater emphasis on the students' speaking ability. This course furthers the knowledge of students' language skills through review of the fundamentals of Spanish structure, further grammar and vocabulary study, and by emphasizing oral reading comprehension and self-expression in speaking and writing. The course also expands students' understanding of the civilization, culture and customs of Spanish-speaking people.

#2796 Spanish 3-2

Prerequisite: Spanish 3-1

Duration: 1 semester

Credit: ½ credit

Open to: 9-12

Description: The class will be speaking in Spanish. Speaking skills will be emphasized. You will need to communicate completely in Spanish. You will work with complex tenses and write stories of three to four paragraphs long in Spanish. You will continue to learn about the Spanish culture.

#2802 Automotive Service

Prerequisite: none

Duration: 1 semester *THIS IS A TWO PERIOD CLASS*

Credit: 1 credit

Open to: 9-12

Description: Automotive Service is designed to introduce students to the principles, operation and basic care of the automobile. Students will study what the different automotive systems are, their relative locations and functions and how to perform basic repair services through hands-on activities. Students will also learn about automotive careers and vehicle purchasing. Our HCC partner auto instructor will meet with students various times throughout the semester to further explain their automotive maintenance projects. Students will have opportunities to visit some of the automotive businesses in our area.

#2808 Construction Technology

Prerequisite: Woods 1

Duration: 1 semester

Credit: ½ credit

Open to: 10-12

Description: Construction Technology is a course designed to teach students a variety of skills relative to building construction and various trades. Throughout the course, students will have hands-on experience in all areas of construction from start to finish. Students will also learn about potential careers in the trades industry.

#2805 Pre-Engineering

Prerequisite: CAD 1

Duration: 1 semester

Credit: ½ credit

Open to: 10-12

Description: The goal of this course is to introduce you to the aspects of computer aided design and drafting (CADD). This course covers AutoDesk Inventor Professional 2013, AutoDesk ARchitecture 2013, and Solidworks 2014 programs to guide you from constructing basic shapes and making multi-view drawings to 3-D modeling. This course is aligned with Iron Range Engineering standards and students may qualify for college credit in engineering.

#2804 CAD-1

Prerequisite: none

Duration: 1 semester

Credit: ½ credit

Open to: 9-12

Description: The goal of this course is to introduce you to the aspects of computer aided design and drafting (CAD). This course covers AutoDesk Inventor Professional 2013, AutoDesk ARchitecture 2013, and SolidWorks 2014 programs to guide you from constructing basic shapes and making multi-view drawings to 3-D modeling. This course is aligned with Iron Range Engineering standards and students may qualify for college credit in engineering.

#2809 Manufacturing and Production

Prerequisite: none

Duration: 1 semester

Credit: ½ credit

Open to:

Description: Manufacturing and Production is designed to introduce you to the principles, methods and machines used to make everyday items. Throughout the course, students will become well versed in manufacturing techniques and will mass produce a project selected by the group for resale. There is potential for field trips to manufacturing facilities in the area and guest speakers with information regarding their company's manufacturing processes.

#2832 Robotics

Prerequisite: none

Duration: 1 semester

Credit: ½ credit

Open to: 9-12

Description: This course is designed to introduce students to the construction, programming and functionality of robotics. Throughout the class students will learn about electronics and wiring, various mechanical components, and basic programming. By the end of the course students will construct a simple robot with a group of classmates to perform various tasks. The purpose of this class is to prepare students for the robotics competition team.

#2813 Small Engines

Prerequisite: none

Duration: 1 semester

Credit: ½ credit

Open to: 9-12

Description: The basic systems of carburetion, ignition, lubrication and cooling, as well as engine components of the two and four stroke engines will be covered in this class. Students will disassemble and reassemble a two and four stroke engine as part of their lab work. Time will also be provided for students to bring in their own engines to be worked on.

#2815 Welding 1

Prerequisite: none

Duration: 1 semester

Credit: ½ credit

Open to: 9-12

Description: The basic techniques and safety of arc and oxy acetylene welding will be taught. Students will be required to make a butt, lap, and fillet weld in the flat position on the A.C. and D.C. Arc welders. The butt, lap, fillet, cut and braze welds will be taught on the oxy acetylene welders. Some wire feed welding and TIG welding will also be covered in this class. A small project will be completed if time permits. Successful completion of both Welding 1 and Advanced Welding may result in college course credit from Mesabi Range College.

#2817 Woods 1

Prerequisite: none

Duration: 1 semester

Credit: ½ credit

Open to: 9-12

Description: In this class students will study the power machines used in the wood lab and machine safety. This class will also cover special setups, jigs, and fixtures to produce unique wood products. Students will be required to design and create a large project, or a series of small projects using the machines and techniques covered in

#2811 SuperMileage

Prerequisite: Welding 1

Duration: 1 semester

Credit: ½ credit

Open to:

Description: This class covers the design, engineering and construction of a Supermileage vehicle to be run in a two day competition at Brainerd International Raceway. Over the course of the semester, students will be required to use critical thinking and technical skills involving engineering, metalworking, automotive and small engine work to complete the project. Supermileage may be taken two years consecutively during junior and senior years.

#2816 Adv Welding

Prerequisite: Welding 1

Duration: 1 semester

Credit: ½ credit

Open to:

Description: This course is designed for the students to obtain better skills in the welding area. More emphasis is on obtaining good weld joints and the use of welding techniques to produce a metal project. The students must provide a suitable project to weld for the completion of the course or one will be assigned to them as individuals or group projects. Successful completion of both Welding 1 and Advanced WElding may result in college course credit for Mesabi Range College.

#2818 Woods 2

Prerequisite: Woods 1

Duration: 1 semester

Credit: ½ credit

Open to: 9-12

Description: Woods 2 is an advanced course designed to enhance the knowledge students learned from Woods 1 regarding a variety of skills relative to woodworking and project design. Throughout the course, students will learn measurement skills, design/drawing skills and project construction. Project requirements will be more detailed than those from Woods 1, however the end result will be a high quality project the student will be able to take with them.

#2622 Concepts of Programming

Prerequisite: none

Duration: 1 semester

Credit: ½ credit

Open to: 9-12

Description: Computer science-related jobs will be among the fastest growing and highest paying over the next decade. In this course, students will learn the foundational concepts of computer science using the Code.org CS Principles curriculum. You will learn how the multi-layered systems of the internet function as you collaboratively solve problems and puzzles about encoding and transmitting data. You will learn general principles of program design that apply to many programming languages.

#2632 Digital Media 1

Prerequisite: none

Duration: 1 semester

Credit: ½ credit

Open to: 9-12

Description: This is a project based course focusing on podcasting and/or video production. You will learn the essentials of quality sound and podcast/video production and will improve broadcast skills, including communication, research, editing and on-air presentation. You will create a digital portfolio in Google Sites to store all of your projects and have the opportunity to publish your work.

EDUCATION PATHWAY

#2900 Education

Prerequisite: none

Duration: 1 semesters

Credit: ½ credit

Open to: 11-12

Description: Introduction to Teaching provides the support of a cohort as students learn introductory teaching topics such as classroom management, standards, lesson planning, professionalism, the effect of poverty on learning and how to get a teaching degree. The course includes a field experience in a local classroom. Students will read and discuss current critical issues in education while connecting content to the five propositions from the National Board for Professional Teaching Standards. The course will incorporate Native American culture and history as students learn of the importance of cultural competency.

HEALTHCARE PATHWAY

#2522 Medical Terminology

Prerequisite: none

Duration: 1 semester

Credit: ½ credit

Open to: 9-12

Description: This course is designed to give the student an overview of how medical terms are formed. It is designed to give the student a working knowledge of terms used in the healthcare industry today. A primary emphasis is placed on defining various word elements and analyzing how they are put together to form medical terms used in many fields of the medical profession.

#2525 CNA

Prerequisite:

Duration: 1 semester

Credit: ½ credit

Open to: 11-12

Description: The Nursing Assistant Training Program introduces basic nursing and personal care skills, concepts of physical and psychological needs, restorative measures, residents and employee safety, and the resident's rights. After the completion of the classroom instruction, laboratory skills practice, and clinical experience the students will be prepared to take the Minnesota approved nursing assistant competency examination. Preference will be given to seniors.

#2523 Healthcare Careers

Prerequisite: none

Duration: 1 semester

Credit: ½ credit

Open to: 9-12

Description: This course will help develop students' beginning ability to understand the healthcare industry and occupations to pursue. Topics included are history, educational expectations, skill expectations, and healthcare needs.

MANUFACTURING PATHWAY

Intro to Manufacturing

Available to: Northland Remer and Hill City High Schools

Instructor: Mark Gravelle

Offering District: Northland Remer

Grade Levels: 9-12th

Credits: 1 cr.

Shared Modality: Cross-District Block Course

Pre-Requisites: NA

Course Description: Students will dig into the world of manufacturing through a variety of activities and media formats. Emphasis will also be placed on developing interpersonal skills through teamwork in addition to increasing student knowledge of modern manufacturing processes including learning about plant and construction site safety practices, production control processes and quality. Students will perform a variety of manufacturing tasks using various machining tools and fabrication equipment. Milling machine, metal lathe, welding equipment, CNC machining centers, laser engravers and 3D printers are some of the equipment that will be used in the course. Students will develop and use their knowledge of solid modeling skills to design parts and will have the ability to machine them using CNC equipment or print them using the latest Additive (3D) printing technology. There will be an emphasis placed on engineering and the design process, problem solving including root cause and possible solutions.