

**REGISTRATION GUIDE  
NORTHLAND HIGH SCHOOL**

2019-2020



**Home of the Eagles!**



## **HOW TO USE THE GUIDE TO COURSE SELECTION**

This manual contains a description of all the courses that have been proposed for the 2012-13 school year. It also informs students as to prerequisites, requirements and credits courses carry toward graduation. Requirements for graduation from Northland High School are provided to help students in planning their schedule as they progress through high school. Once these requirements have been met, students may choose from a variety of elective courses in all subject areas. Students are to select courses that will best prepare them for their post-high school needs, whether they are college, technical college, military, or employment. Some recommendations for preparatory programs are also provided for developing an optimal schedule. A list of all courses by department along with a short description of courses is provided to help make good decisions for planning for the future. Students are advised to read the manual thoroughly and develop a tentative "want list" with alternatives if those courses are not available. Students should select courses that will most benefit them in developing future plans and preparing for a career.

Students should talk to the school counselor, their teachers, parents, others in your field of interest, colleges admissions counselors, etc. – ask a lot of questions. Be prepared and start your career planning and exploring in your freshman year! It is very important that you do some serious career exploration and planning early to assure that you are adequately prepared. Take classes that will truly benefit you and prepare you for your future. If you are undecided, take a variety of solid courses so you can go in several directions.

### **WHAT'S IMPORTANT ABOUT YOUR HIGH SCHOOL RECORD FOR EMPLOYMENT AND TRAINING?**

**SCHOOL GRADES:** Grades are important as they indicate how much you have achieved in school classes. Colleges, technical colleges, and employers require that you have the necessary background for further learning and training. Employers are interested in what your accomplishments have been in high school. People who have not worked up to their abilities in school usually do not work up to their abilities on the job.

**ATTENDANCE:** Poor attendance and low marks go hand in hand. Employers check on your school attendance record because people with low school attendance generally have poor attendance at work. When employees miss work it costs employers money.

**RELATIONSHIP WITH OTHERS:** Many people are fired from their jobs because they could not get along with other employees or their employers. It is important to learn how to get along with others in school.

**SCHOOL AND COMMUNITY INVOLVEMENT:** Studies have shown that students who participate in school and community activities tend to have better attendance, better grades and get along better with fellow students, teachers and administrators.

## **HIGH SCHOOL GRADUATION REQUIREMENTS**

(Updated March 2018)

Credits for graduation are earned in grades 9-12. Students are generally considered to be “on track” for graduation if they are successfully completing six or more credits per year. ½ credit = 1 semester long class.

### **Core Courses: 14.5 credits**

#### **English: 4 credits**

English 9 Writing

English 10 Reading

English 11

English 12

\*CIS Comp I + Comp II can be use as a replacement for either English 11 or English 12.

#### **Math: 4 credits**

Intermediate Algebra\* (1 credit)

Geometry (1 credit)

Algebra II (1 credit)

Math elective (1 credit)

\*students who are allowed to bypass Intermediate Algebra are still required to take 4 credits of math.

#### **Social Studies: 3.5 credits**

U.S. History 9 (1 credit)

Global Studies 10 (1 credit)

Economics 11 (1/2 credit)

U.S. Government 12 (1 credit)

#### **Science: 3 credits**

Physical Science 9 (1 credit)

Chemistry 10 or Physics

Biology 11

**Health: 1/2 credit** (Healthy Living 10)

**Physical Education: 1/2 credit**

**Visual/Performing Arts: 1 credit**

**Personal Finance ½ credit**

**Electives: 7 credits (any subject area)**

**MINIMUM NUMBER OF CREDITS REQUIRED TO GRADUATE: 24**

# **STATE TESTS**

## **MCA Tests**

### **Standards-Based Accountability Assessments**

The Minnesota Comprehensive Assessments (MCA) and alternate assessment Minnesota Test of Academic Skills (MTAS) are the state tests that help districts measure student progress toward Minnesota's academic standards and also meet federal and state legislative requirements. Students take one test in each subject. Most students take the MCA, but students who receive special education services and meet eligibility requirements may take the alternate assessment MTAS instead.

The list below shows tests by subject and the grades they are given.

- **Reading:** MCA or MTAS (grades 3-8, 10)
- **Mathematics:** MCA or MTAS (grades 3-8, 11)
- **Science:** MCA or MTAS (grades 5, 8, and once in high school)

### **Career and College Readiness**

Districts have a number of requirements to fulfill for students' career and college planning for students first enrolled in grade eight in 2012–13 and later. This includes offering students in grades 11 and 12 an opportunity to participate in a nationally recognized college entrance exam (ACT or SAT) on a school day.

For further information, please visit the Minnesota Department of Education website.

## **CREDIT LOAD LIMIT/CREDIT RECOVERY**

Northland High School students are not to attempt more than 5.5 credits in any single academic semester or 11 in any single academic year. The rationale behind this rule is to avoid putting unrealistic expectations on students, thereby setting them up for failure.

A typical NHS student carries a full load consisting of 3.5 credits per semester, or seven credits per year. Students who are behind in credits may utilize supplemental learning opportunities (i.e., after school credit recovery, ALC or online classes) not to exceed two

additional credits per semester or four per year. Any exceptions to this rule must be approved by administration.

NHS will continue to accept summer school credits from other districts.

A senior not on track for graduation is allowed to return to high school until he/she reaches the age of twenty-one. Alternatives for such students who do NOT wish to return to NHS for an additional senior year or years include the ALC (Area Learning Center), GED and online learning programs.

## **PREPARING FOR HIGHER EDUCATION**

Admission requirements for colleges in Minnesota and throughout the United States vary from school to school. Many four year colleges, including the Minnesota State Universities and the University of Minnesota require or strongly recommend the following college preparatory curriculum\* (for grades 9-12):

- a. At least four years of English.
- b. At least three years of math, including two years of algebra and one of geometry.
- c. At least three years of science, including one year each of a biological and physical science, each with laboratory experience.
- d. At least three years of social studies, including one year each of geography and U.S. History.
- e. At least one year of visual and/or performing arts
- f. At least 2 years of a single world language

\* With the exception of the World Language recommendation, Northland High School graduation requirements meet or exceed the minimum high school course recommendations for post-secondary preparation. **Please note that students who lack the World Language component CAN be denied admission into some colleges!**

## **COLLEGE ADMISSIONS**

Most four-year colleges and universities in Minnesota require a college admission test. Minnesota colleges and universities will accept either the ACT or SAT college entrance examination for admission (though the ACT is more commonly used throughout the upper Midwest). While not currently an admissions requirement for public two-year community and technical colleges, ACT and/or SAT is still encouraged by these institutions for placement reasons. It is recommended that college-bound students consider taking a college admission test at the end of their junior year or very early in

their senior year. Please see your high school counselor for information on study guides and other resources to prepare for college admissions tests.

Class rank, grades and program of study are usually the most important criteria for student admission to college. Studies made by colleges and universities indicate that student's grades are an excellent indicator of college success. Selective schools may also require students to complete an essay, submit letters of recommendation, and/or sit for a personal interview.

The admission requirements of schools vary. Talk with your guidance counselor, look at college websites and email or call the individual school to schedule a campus visit

### **COLLEGE IN THE SCHOOLS (CIS)**

College in the schools is a concurrent enrollment program administered by Central Lakes College (CLC). When enrolled in a CLC course through CIS, students are eligible to receive both high school and college credit. CIS students get a jump start on college while concurrently satisfying high school requirements. CIS courses are taught during the regular high school day by high school instructors at NHS. CIS teachers are selected, and supported by CLC collaborating faculty. The content, assignments and assessments of CIS courses are the same as CLC's on-campus courses. Students successfully completing a course receive college academic credits which are transferable to other colleges.

Eligibility: juniors with a 3.0 and seniors with a 2.5 cumulative grade point average are eligible to apply. In addition, all CIS applicants must complete the college assessment (Accuplacer) test for placement in math and English classes. Students who do not meet the GPA requirements may appeal to enroll in the CIS program. Appeal information is submitted to the CIS Appeals Committee for review and applicants will receive written notification of acceptance or denial.

For more information, please see the high school Guidance Counselor or visit CLC's College in the Schools website at [www.clcmn.edu/cis](http://www.clcmn.edu/cis).

## SEVENTH AND EIGHTH GRADE CURRICULUM

The seventh and eighth grade curriculum consists of the following courses:

<u>Course</u>	<u>Duration</u>	<u>Credit</u>
Math	1 year	1 credit
English	1 year	1 credit
Science	1 year	1 credit
Social Studies	1 year	1 credit
Art	1 semester	½ credit
Gateway (IT)	1 semester	½ credit
PE 7	1 year	1 credit
PE/Health 8	1 semester each	1 credit
Band, Choir or Intro to Ojibwe	1 year	1 credit

### **RETENTION:**

Should a student fail 4 or more classes in grade 7 or 8, that student may be retained at that grade level the following year. A student may only be retained once in junior high. Students who fail to meet the junior high requirements may be evaluated for retention based on data compiled from, but not limited to:

- Performance in jr. high coursework
- MCA test scores
- MAP (Measures of Academic Progress) test scores

Special considerations will be given for circumstances beyond the student's control such as illness, death in the family, divorce, etc. When retention is not recommended, a student may be asked to complete coursework over the summer to demonstrate understanding of a failed core (math, science, English, social studies) course.

Note: Credits earned in grades 7 and 8 do NOT count toward high school graduation. The only exceptions are cases in which a high school level class is taken early. In these cases, that credit will count toward total high school graduation credits, but the letter grade earned in that class will not positively OR negatively affect a student's **high school** GPA.



# COURSE DESCRIPTIONS

## INDUSTRIAL TECHNOLOGY

### **5163 CADD:**

Prerequisites:	None
Duration:	1 semester
Credit:	1/2 credit (elective)
Open to:	Grades 9-12

**Description:** Students will learn to use a software program called Autodesk Inventor. Students will create three dimensional drawings by first creating a two dimensional drawing and then extruding or revolving that object into a solid form. Students will learn how to create many different types of drawings. These will include sections views, engineering drawings, assembly views, and exploded views. Students will also be able to utilize the Autodesk architectural program to complete a variety of laser engraver projects. This would be a beneficial class for students interested in any STEM (science, technology, engineering, math) field.

### **17003 CARPENTRY**

Prerequisites:	None
Duration:	1 semester
Credit	½ credit (elective)
Open to:	Grades 9-12

**Description:** The carpentry class will offer students a variety of experiences in residential carpentry. A wide range of building trades will be included in coursework and projects completed during the course. **Potential to earn college credit at Mesabi Range College with the ALI option.**

### **13058 DIGITAL PRODUCT DEVELOPMENT**

Prerequisites:	None
Duration:	1 semester
Credit	½ credit (elective)
Open to:	Grades 9-12

**Description:** Students will be introduced to the field of digital manufacturing and product development. We will apply our understanding to produce a variety of student work ranging from spreadsheets to photoshop/video production and laser engraver manipulation. What each student produces will vary due to student choice of projects and personal style.

## **21005 ENGINEERING**

Prerequisites:	None
Duration:	1 semester
Credit:	½ credit (elective)
Open to:	Grades 9-12 (limit 16)

**Description:** Engineering is a hands-on application of math and science knowledge. The student will be posed a series of problems and will have to create a working solution to each problem. Transportation, architectural structures, mechanical processes and other related fields of study will be covered. Students will be expected to keep on pace with tight deadlines and extensive tool usage.

## **20102 SUPERMILEAGE/ENGINEERING**

Prerequisites:	None
Duration:	1 semester
Credit:	½ credit (elective)
Open to:	Grades 9-12 (limit 16)

**Description:** This course is designed to introduce the student into the applied field of engineering and vehicle design. Engineering uses science, math, and technical skills to come up with a desired solution. The challenge of the course is to plan, design and construct a working vehicle that will compete at the annual Supermileage vehicle competition in Brainerd.

## **5166 MODEL BUILDING/PROTOTYPING**

Prerequisites:	None
Duration:	1 semester
Credit:	½ credit (elective)
Open to:	Grades 9-12

**Description:** This is a semester-long course in which different types of media and prototyping processes will be exposed to the student. The student will create a variety of 3D objects ranging from scale models, prototypes, molding and casting, and digital (computer) projects. Students will use many different hand and power tools to complete their project work.

### **13103 PRODUCT DEVELOPMENT**

Prerequisites:	None
Duration:	1 semester
Credit:	1/2 credit (elective)
Open to:	Grades 9-12 (limit 15)

**Description:** The student will follow the life cycle of a product from conception to resolution. An actual class product will be produced, marketed and sold for profit. Students participate in a valuable hands-on experience of the world of production manufacturing. Students will be able to recognize and appreciate a quality product in class as well as the current marketplace.

### **10110 SMALL ENGINES**

Prerequisites:	None
Duration:	1 semester
Credit:	½ credit (elective)
Open to:	Grades 9-12 (limit 16)

**Description:** Small Engines is a course designed to introduce the student to small gas engines and repair. Students will partake in the task of disassembly and reassembly of a 2-stroke and 4-stroke engine. Students will develop an understanding of the 2 and 4 stroke cycle as well as advantages and disadvantages of both. Students will be expected to work on a several repair projects to test their content knowledge upon completion of the group project.

### **13207 WELDING**

Prerequisites:	None
Duration:	1 semester
Credit:	½ credit (elective)
Open to:	Grades 9-12

**Description:** Welding is a course for students to learn basic skills in Shielded Metal Arc Welding, Oxyacetylene Welding, Oxyacetylene Cutting, Metallic Inert Gas Welding, Brazing and Plasma Arc Cutting. Students are exposed to all aspects of safety relating to the previous list of welding processes. Career exploration and opportunities in welding and related fields will be included. We will also begin metal working and machining. Students will learn to use and operate the milling machine and metal lathe, time permitting. **Potential to earn college credit at Mesabi Range College with the ALI option.**

## **17006 WOODWORKING**

Prerequisites:	None
Duration:	1 semester
Credit:	½ credit (elective)
Open to:	Grades 9-12

**Description:** Woodworking class is centered on developing skills in the woodworking trade. The course will provide students with skills and knowledge in the areas of machine safety, hand tools, project design, wood characteristics and wood project assembly.

## **17005 WOODWORKING II**

Prerequisites:	None
Duration:	1 semester
Credit:	½ credit (elective)
Open to:	Grades 9-12

**Description:** Students will have the opportunity to advance their woodworking skills and abilities by planning, designing and creating more challenging student choice projects. The skills learned from the Woods 1 course will be built upon to create the desired outcomes of the course.

## **13052 GENERAL SHOP**

Prerequisites:	None
Duration:	1 semester
Credit:	½ credit (elective)
Open to:	Grades 9-12

**Description:** Students enrolled in the General Shop course will have a chance to choose which focus of Industrial Technology they would like to further their skills in. The students and the instructor will construct a plan of instruction and benchmarks that will ensure student involvement, dedication, and interest.

## **LANGUAGE ARTS**

Four years of English is required to graduate from Northland High School. Students must take one credit of English per year. 9<sup>th</sup> graders take 1 full credit of English 9. Students in grades 10-12 take ½ credit of English 10, 11 or 12 and can choose from a variety of electives to fulfill the other half of their English requirement each year. CIS juniors should take CIS American Short Story and CIS Intro to Lit. CIS seniors should take CIS Comp I and Comp II.

### **01001 ENGLISH 9: WRITING**

Prerequisites:	None
Duration:	1 Year
Credit:	1 Credit (required)
Open to:	Grade 9

**Description:** This course will place a major emphasis on the development of student composition, grammar, and spelling skills. Students will on a daily basis write in response to prompts in short answer, short essay, and extended essay formats. Narrative, expository, and persuasive modes/styles of writing will be addresses in particular with an emphasis on employing mechanical (grammar, spelling, syntax etc.) proficiency to essay writing. Students will also develop vocabulary use, revise and polish their writing according to the writing process model, and develop the skills to successfully pass the MCA-II writing assessment. Major readings will include Romeo & Juliet and To Kill a Mockingbird.

### **01002 ENGLISH 10: READING**

Prerequisites:	English 9
Duration:	Full Year
Credit:	1 Credit (required)
Open to:	Grade 10

**Description:** This course will place a major emphasis on close reading skills and analytical writing. Students on a daily basis will read nonfiction and be asked to respond to it in four major ways: discussion, short answer/essay prompts, five-paragraph essays and quizzes/tests. The course, while not specifically aimed at teaching to the MCA-III reading exam, will certainly assist in the development of necessary skills to pass the exam, continue development of writing skills, and improve student reading skills for the balance of their high school career. Students will take this course during their sophomore year.

### **01003 ENGLISH 11: SURVEY OF BRITISH LITERATURE**

Prerequisites:	English 10
Duration:	FULL YEAR
Credit:	1 Credit (required)
Open to:	Grade 11

**Description:** This course surveys prominent works of fiction and nonfiction from Britain and from British authors. The course will move systematically from the very beginnings of literature written in English with works like Beowulf and The Canterbury Tales by Geoffrey Chaucer to modern authors like T.S. Eliot and George Orwell. Also surveyed in this class are literary periods germane to British literature (e.g. Romantic vs. Victorian) as

well as counterpart literature from British nationals living elsewhere in the world. Finally, students will complete two major writing assignments and an English Capstone assignment. Students will take this course during their senior year.

### **01004 ENGLISH 12: SURVEY OF AMERICAN LITERATURE**

Prerequisites	English 11
Duration:	FULL YEAR
Credit:	1 Credit (required)
Open to:	Grade 12

**Description:** This course has two major emphases. One is a review and continuation of composition development as students write two major papers during the semester. The other is application of critical/analytical reading skills to a survey of American literature from pre-colonial times to the postmodern era in hopes of developing a better understanding of American ideals, philosophy, and the American experience. This class is required and is taken during a student's junior year.

### **TP01054 AMERICAN SHORT STORY(CIS)**

Prerequisites:	None
Duration:	1 Semester
Credit:	½ Credit (elective) 3 CLC credits
Open to:	Grades 11-12

**Description:** This course focuses on reading and analyzing selected short stories of renowned American writers. Students participate in class discussions and write papers to demonstrate close reading skills, to express individual interpretation, and to understand the common themes and unique literary characteristics of the genre. The course also covers cultural and historical contexts that influenced the authors.

### **1020 CREATIVE WRITING:**

Prerequisites:	None
Duration:	1 semester
Credit:	½ credit (elective)
Open to:	Grades 9-12

**Description:** In this course students will apply the writing process, drafting, editing, and revising to reach publication quality. The course will have reading selections and discussions of basic techniques of literary expression, including narrative strategies, genres, and style. Students will display an ability to reflect on one's own work and set

goals for improvement, and will evaluate and provide constructive criticism for peers' work.

### **TP01102 COMPOSITION I (CIS)**

Prerequisites:	None
Duration:	1 Semester
Credit:	½ Credit (elective) 4 CLC credits
Open to:	Grades 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.

### **TP01103 COMPOSITION II (CIS)**

Prerequisites:	Comp I
Duration:	1 Semester
Credit:	½ Credit (elective) 4 CLC credits
Open to:	Grades 11-12*

**Description:** This course focuses on the research process and the writing of college level research papers. 5 major papers will be composed during the semester in the major domains of research writing. Literature experiences and reactions will also be included in the course. Close attention to conventions and standards of writing will be paid as well the proper use of MLA format. Students in grades 11-12 may take this course for both CLC and Northland High School credit. As this is a Telepresence course, hybrid design and flipped classroom will be used exclusively during the course.

\*Highly recommended for seniors who have completed prior CIS coursework in English as juniors.

### **TP01011 INTRODUCTION TO LITERATURE (CIS)**

Prerequisites:	None
Duration:	1 Semester
Credit:	½ Credit (elective) 3 CLC credits
Open to:	Grades 9-12

**Description:** Introduction to literature is a survey course of great, creative literature, specifically prose, drama, and poetry. In addition to developing personal responses to the selected works in the course, students will become adept at discussing and analyzing literature and will develop fluency in literary concepts (plot, point of view, characterization, setting, symbolism, theme, tone, figurative language, stream-of-consciousness, Realism, et. al.). For students wishing to continue study in poetry, drama, American, or world literatures, this course is a necessary starting point. Students who wish to expand their reading experience, develop a deeper appreciation for creative literature, and learn techniques for literary interpretation will also benefit greatly from this course.

### **01105 JOURNALISM**

Prerequisites:	None
Duration:	1 Semester
Credit:	½ Credit (elective)
Open to:	Grades 9-12

**Description:** This class can be taken either with or without Journalism II and will focus on several things: journalistic writing, photo journalism, caption writing, interviewing skills, yearbook production, and creating a school/class website. Close attention will be paid to journalistic integrity including what is legal and what is not, the citation and protection of sources, and wise selection of content. The class will incorporate hybrid design and flipped classroom experiences. Any student in grades 9-12 may take this class for 1/2 an English credit.

### **1026 NATIVE AMERICAN LITERATURE**

Prerequisites:	None
Duration:	1 Semester
Credit:	½ Credit (elective)
Open to:	Grades 9-12

**Description:** This course focuses on reading and analyzing selected literature of renowned Native American writers. Students participate in class discussions and write papers to demonstrate close reading skills, to express individual interpretation, and to understand the common themes and unique literary characteristics of the genre. The course also covers cultural and historical contexts that influenced the authors. Students may take this class in grades 9-12.



### **01061 NOVELS AND FILM**

Prerequisites:	None
Duration:	1 Semester
Credit:	½ Credit (elective)
Open to:	Grades 9-12

**Description:** This course is intended to be a contemporary comparative art study between modern novels and film. Students will engage in watching snippets of film and reading a similar segment from the corresponding piece of literature. Students will also write comparison contrast essays that answer the universal question “which was better, the movie or the book?” Assessments include writings of various lengths, discussions, tests and quizzes and other performance based assessments. Students may take this class in any grade 9-12.

### **51049 READING STRATEGIES:**

Prerequisites:	Students ID'd as needing extra help on Reading MCA/Grad tests
Duration:	1 Year
Credit:	1 Credit
Open to:	Grades 10-12

**Description:** Reading strategies is a class offered to students who need additional time to prepare for both the MCA III Minnesota State Reading Exam and to continue with reading for learning skills. As the technology age continues to progress; more and more information becomes easily accessible, close reading skills are becoming invaluable. This class will focus on the development of close reading skills, notation strategies, and comprehension.

### **1014 WORLD LITERATURE SURVEY**

Prerequisites:	None
Duration:	1 Semester
Credit:	½ Credit (elective)
Open to:	Grades 9-12

**Description:** This course surveys prominent works of fiction and nonfiction from around the world. The course will move systematically from the very beginnings of literature and its foundations in the oral tradition to more modern samples of literature and their reflections of our global community. Also surveyed in this class are major literary periods impacting literature on a global scale. Finally, students will complete two major writing assignments and a final project assignment. Students may take this class in grades 9-12.

### **01053 YOUNG ADULT NOVELS**

Prerequisites:	None
Duration:	1 Semester
Credit:	½ Credit (elective)
Open to:	Grades 9-12

**Course Description:** This course is an introduction to the multiple genres of contemporary young adult literature. You will read a range of YAL texts written by award-winning authors, which we will discuss from the perspectives of genre, theme, representations of adolescence and adulthood, and approaches to interpretation.

### **TP01065 SCIENCE FICTION**

Prerequisites:	None
Duration:	1 Semester
Credit:	½ Credit (elective)
Open to:	Grades 9-12

**Course Description:** Exploration of the Science Fiction genre in Literature.

### **COLLEGE READINESS**

Prerequisites:	English 7-8
Duration:	1 Semester
Credit:	½ Credit (elective)
Open to:	Grades 10-12

**Course Description:** In College Readiness, students will gain the tools they may need to be successful in future endeavors outside of high school. Some of these tools will include: effective communication, both face-to-face and technological, college application essays, scholarship essays, financial aid applications, cover letters, résumé writing, test-taking strategies, and personal budgeting. Students will be applying for grants and scholarships throughout the course, writing short and applied essays with the purpose of college entrance, creating a professional résumé and cover letter, writing effective and professional correspondences (emails).

### **MULTI-MEDIA LITERACY**

Prerequisites:	English 7-8
Duration:	1 Semester
Credit:	½ Credit (elective)
Open to:	Grades 9-12

**Course Description:** In Multi-Media Literacy, students will be challenged to develop their skills in professional multi-media design. Throughout the course students will learn how to

build, maintain, and communicate ideas through the use of web-design tools (Wix). Students will also learn best-practices in journalistic film design by scripting, filming, and editing video essays with their peers. Finally, students will learn how to communicate critical research findings through the use of info-graphics using online tools (Piktochart). Students will display their new skills by compiling a media-literacy portfolio online through their own personal blog/websites by the end of the semester. The blogs/websites will be based on pre-approved topics that students can select from. Each post/cite will be monitored before publication.

## **MATHEMATICS**

4 years of math is required for all students graduating from Northland High School. Three of these courses must be intermediate algebra, geometry and algebra II (students on an advanced math track should work with their math teacher and counselor to determine an appropriate math sequence.) Students may then choose from a variety of electives to fulfill their 4<sup>th</sup> year math requirement. Students must complete Algebra II before beginning any CIS math coursework.

### **02153 ALL MATH FOR THE TRADES**

Prerequisites:	Successful completion of core math through Algebra II
Duration:	1 year
Credits:	1 credit (elective) 4 ICC credits
Open to	Grades 11-12

**Description:** This applied mathematics course will cover topics to prepare students for successful completion of career and technical programs intended for employment. Four Itasca Community College credits in a technical program will be earned provided that a C or better is received for this course. This credit will be transferable to other technical programs, possibly as an elective credit. Topics include Basic Number Operations and Practical Trade Applications including Measurement, Ratios and Proportions, Algebra and Geometry, Area and Volume, Right Angle Trigonometry, Statistics and Variation.

### **02055 ALGEBRA I**

Prerequisites:	None
Duration:	1 year
Credit:	No HS credit
Open to:	Grade 8

**Description:** The main goal of Algebra is to develop fluency in working with linear equations. Students will extend their experiences with tables, graphs, and equations and solve linear equations, inequalities, and systems of linear equations and inequalities.

Students will extend their knowledge of the number system to include irrational numbers. Students will generate equivalent expressions and use formulas. Students will simplify polynomials and begin to study quadratic relationships. Students will use technology and models to investigate and explore mathematical ideas and relationships and develop multiple strategies for analyzing complex situations and to focus on goals in which mathematical thinking is central. Students will analyze situations verbally, numerically, graphically, and symbolically. Students will apply mathematical skills and make meaningful connections to life's experiences.

### **02142 ALGEBRA II**

Prerequisites:	Advanced Algebra I or Intermediate Algebra
Duration:	1 year
Credits:	1 credit (required)
Open to:	Grade 9-12

**Description:** The study of functions and an extension of the concepts of Algebra I and many of the concepts of Geometry are provided. Topics covered are: linear and quadratic equations and functions; systems of equations and inequalities; polynomials and rational polynomial expressions; polynomial functions; conic sections; exponential and logarithmic functions; probability and statistics; sequences and series. Satisfactory completion of this course prepares students for entry into Pre-Calculus.

### **3071 APPLIED MATH**

Prerequisites:	None
Duration:	1 year
Credit:	1 (elective)
Open to:	Grades 9-12

**Description:** This course will focus on a number of strands within mathematics. These strands are included: mathematical reasoning, number sense, algebra, geometry, trigonometry, statistics, probability and data analysis. It is set up as more of a "traditional" math course. There will be some mathematical exploration using the TI-83 graphing calculator. **Instructor or IEP case manager approval required.**

### **TP02058A INTRO TO COLLEGE ALGEBRA (CIS)**

Prerequisites:	Algebra II
Duration:	1 semester
Credits:	½ credit (elective) 3 CLC credits
Open to	Grades 11-12

**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. **This class is open to CIS students and qualified non-CIS students as a 4<sup>th</sup> year math elective.**

### **TP02058B COLLEGE ALGEBRA (CIS)**

Prerequisites:	Beginning College Algebra
Duration:	1 semester
Credits:	½ credit (elective)
Open to	Grades 11-12 3 CLC credits

**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. **This class is open to CIS students and qualified non-CIS students as a 4<sup>th</sup> year math elective.**

### **02157 CONSUMER MATH**

Prerequisites:	None
Duration:	1 semester
Credits:	1/2 credit (elective)
Open to	Grade 9-12

**Description:** 1/2 year course covers all the financial aspects of living in the world today, including balancing bank statements, loans, budgets, checking accounts, credit, eating out, tax, home care, payroll, income, bills, fraction, decimal, percentage, elementary algebra, solving practical business problems and more.. This course is designed for students who are not planning to attend a university after high school.

## **02072 GEOMETRY**

Prerequisites:	Intermediate Algebra or Advanced Algebra 1
Duration:	1 year
Credits:	1 credit (required)
Open to:	Grades 10-12

**Description:** Geometry provides students with the fundamental and advanced concepts of plane geometry and their related topics in two and three-dimensional geometry, coordinate geometry and transformational geometry. The course will begin with a foundation for Geometry and Measurement. The students will study geometric reasoning, parallel and perpendicular lines, Properties of Triangles, the study of polygons, circles, and transformations. The class's applications of the theorems are intermixed to help the student grasp an understanding of how geometry is used in different careers and everyday life.

## **02055 INTERMEDIATE ALGEBRA**

Prerequisites:	Algebra I or Advanced Algebra I
Duration:	1 year
Credits:	1 credit (required)
Open to:	Grades 9-12

**Description:** This class will reinforce the linear algebra piece of Algebra I and complete the Algebra I book, and then start the Algebra II book. Students will learn techniques for solving linear, quadratic, rational, and radical equations as well as systems of equations and inequalities. Other topics covered include coordinate graphing, properties of exponents, probability and statistics and an introduction to trigonometry. Students will analyze situations verbally, numerically, graphically, and symbolically. Students will apply mathematical skills and make meaningful connections to life's experiences. Students will use technology and models to investigate and explore mathematical ideas and relationships and develop multiple strategies for analyzing complex situations.

## **02201 INTRODUCTION TO STATISTICS**

Prerequisites:	Algebra 1
Duration:	1/2 Year
Credits:	1 credit (elective)
Open to:	Grade 11-12

**Description:** This course is designed to provide students with basic concepts in probability and statistics. Students will explore elementary probability, statistical experiment design, and representation and interpretation of data. The student will have

the opportunity to see the applications in a variety of fields. Today, college students from almost all fields of study are required to take at least one course in statistics. This class is a great math class to get you ready for your college statistics course.

### **TP202 PRE-CALCULUS (CIS)**

Prerequisites:	Accuplacer score of 63 or higher or grade of C or higher in CIS college algebra
Duration:	1 year
Credits:	1 credit (elective) 5 CLC credits
Open to	Grades 11-12

**Description:** Intended to provide the essential mathematical background needed in Calculus. Topics include equation solving, functions (polynomial, radical, rational, exponential, logarithmic, trig and inverse trig), identities, applications and parametric, polar graphing.

## **MUSIC**

Successful completion of one credit of music will fulfill the arts requirements for high school graduation.

### **05102 CONCERT BAND**

Prerequisites:	previous participation in the instrumental program and ability to play concert band level music
Duration:	1 year
Credit:	1 credit (elective)
Open to:	Grades 9-12

**Description:** Band gives opportunity for students to develop and expand their inherent abilities to create and express. This is a necessary component in the development of an educated and disciplined mind. Music is the study of language and culture, history and heritage, and contributes to students' success in every discipline within the school curriculum. Through study and participation in band, students develop critical thinking skill, adaptability, responsibility, organizational effectiveness and leadership, self-discipline, and physical and social skills.

Band is a year-long course. Students must own their own primary instrument. If a student is on a secondary instrument, rent will be due on March 1<sup>st</sup> of each year. Students are responsible for their supplies such as reeds, oils and cleaning kits. Concert band is a performance based class that includes solos, ensembles, full concert band and pep band. Band is a multi-cultural class using many styles of music from around the world. Students will perform in Minnesota High School League contests in these areas. Band members will travel to learn more about music, compete in contests, participate in festivals, programs for the communities, educational trips, and travel with pep band to support their school.

### **05106 JAZZ ENSEMBLE**

Co-requisite:	Concert Band
Duration:	1 year
Credit:	1 credit (elective)
Open to:	Grades 9-12 (8 <sup>th</sup> with permission from instructor)

**Description:** Jazz Ensemble is a performance based group of select instrumentation that includes many big band style pieces from around the world. It is a performance only class and will cover jazz styles, improvisation, and jazz theory. Jazz is a fun and different way to experience new musical styles and become more independent on an instrument. Instrumentation includes saxophones, trumpets, trombones, piano, guitar, bass, and drums. Students must obtain instructor consent before signing up for this course.

### **05110 CONCERT CHOIR**

Pre-requisite:	None
Duration:	1 year
Credit:	1 credit (elective)
Open to:	Grades 9-12

**Description:** The High School Choir is open to all students in grades 9-12 who enjoy singing and wish to be part of a performing ensemble. Emphasis is placed on continued development of basic vocal and musical skills and singing in 2, 3, and 4-part harmony, as well as fostering a love for performing choral music. Students are expected to actively participate and further their vocal abilities.



### **5183 MUSIC EXPLORATIONS**

Pre-requisite:	None
Duration:	1 semester
Credit:	½ credit (elective)
Open to:	Grades 9-12

**Description:** This class will give students the opportunity to study elements of music and music history, to expand their musical repertoire, and to develop music consumer skills. Students will have numerous opportunities for hands-on learning as they play classroom instruments and sing.

### **05113 MUSIC THEORY**

Pre-requisite:	None
Duration:	1 semester
Credit:	½ credit (elective)
Open to:	Grades 9-12

**Description:** This class will dive into the world of tonal harmony including chords, sevenths, key signatures, chord progressions and harmonics. The world of music is all about patterns and rules. This course will discover those patterns and how the rules have been pushed, broken and evolved over time. This course is intended for someone of a musical background who is interested in pursuing music or wants to have a better understanding of music. Pre-requisite: none but some knowledge of music notation may help.

### **05061 MUSIC IN FILM**

Pre-requisite:	None
Duration:	1 semester
Credit:	½ credit (elective)
Open to:	Grades 9-12

**Description:** This class will dive into the world of music in famous films. This course will discover the styles of famous composers, the elements of musical scores, the process of making music for Hollywood Films, the history of music in film, and also the importance of music in film. Some composers that will be covered include John Williams, John Barry, Danny Elfman, Ennio Morricone, Hans Zimmer and more. Films that will be covered may include *Star Wars*, *The Good, the Bad, and the Ugly*, *Edward Scissorhands*, *Inception*, *Up!*, and more.

## PHYSICAL EDUCATION AND HEALTH

½ credit of Health and ½ credit of Physical Education is required for all NHS graduates. Health is typically taken in 10<sup>th</sup> grade. P.E. may be taken in any grades 9-12.

### 7195 FITNESS WALKING (CIS)

Prerequisites:	None
Duration:	1 semester
Credit:	1/2 credit (elective) 2 CLC credits
Open to:	Grades 11-12

**Description:** Exercise walking will be offered as a CIS class for college credit. This class will be used as a way of improving cardiovascular fitness through walking. Students will begin at current fitness levels and work to improve fitness levels through the use of logs, pedometers, and monitoring heart rate. When the weather permits we will be walking outside, otherwise we will walk inside.

### 08057 HEALTHY LIVING

Prerequisites:	None
Duration:	1 semester
Credit:	1/2 credit (required)
Open to:	Grade 9-12

**Description:** This class is designed to improve awareness of ones physical, mental, and social well being. Students will focus on human development, nutrition, fitness, substance abuse, preventing disease, environment and community health, and safety and first aid.

### 7198 OUTDOOR RECREATION

Prerequisites:	None
Duration:	1 semester
Credit:	½ credit (elective)
Open to:	Grades 9-12

**Description:** Outdoor recreation is a course that involves various outdoor activities not covered in a traditional PE class. Some activities we do include archery, biking, snowshoeing, Lacrosse, broomball and several other activities related to the outdoors.

### **08002 TEAM SPORTS**

Prerequisites:	None
Duration:	1 semester
Credit:	½ credit (elective)
Open to:	Grades 9-12

**Description:** This class will introduce students to a number of team games. Some of those games include football, soccer, basketball, volleyball and softball to name a few. Concepts of teamwork and fair play will be emphasized.

### **08009 WEIGHTS & FITNESS**

Prerequisites:	None
Duration:	1 semester
Credit:	½ credit (elective)
Open to:	Grades 9-12

**Description:** The students will design and implement a health-enhancing fitness plan. The students will identify and evaluate activities required to meet their fitness goals. Their fitness plan will include strength, cardiovascular, and flexibility activities.

### **ATHLETIC TRAINING**

Prerequisites:	None
Duration:	1 semester
Credit:	½ credit (elective)
Open to:	Grades 9-12

**Description:** In this course, students will be introduced to the field of athletic training and sports medicine. Students will explore basic injury prevention, evaluation and treatment as well as taping procedures used in sports. Major focus areas include anatomy, kinesiology and an in-depth examination of the lower extremities. CPR and minor first aid will also be covered in this course.

### **08061 LIFETIME FITNESS**

Prerequisites:	None
Duration:	1 semester
Credit:	½ credit (elective)
Open to:	Grades 9-12

**Description:** In this course, students will demonstrate the knowledge and skills to achieve and maintain a health enhancing level of physical fitness through a variety of fitness activities. The content includes, but is not limited to, knowledge of the importance

of physical fitness, skills and knowledge to maintain an active lifestyle throughout life, knowledge of health problems related to inadequate fitness levels, and knowledge of psychological values of physical fitness including stress management. The following activities are included in this semester course: Circuit training, P90X, Insanity, Weight Training, Yoga, Relaxation techniques, Fitness testing and others as interest suggests.

### **08049 WOMEN'S PHY-ED**

Prerequisites:	None
Duration:	1 semester
Credit:	½ credit (elective)
Open to:	Grades 9-12

**Description:** This course is designed for women who may want to benefit from a scheduled activity class that will get you in shape and make you feel better. The focus will be on Nutrition and Fitness education in a less competitive nature compared to other physical education classes. We will be trying many alternative exercise programs like Pilates, Aerobics, Yoga, Kick Boxing, PiYo, weight training, self-defense and others as interests suggests. We will also take a look at recreational activities including backyard games, Softball, Bowling and more.

### **08004 LIFETIME SPORTS AND ACTIVITIES**

Prerequisites:	None
Duration:	1 semester
Credit:	½ credit (elective)
Open to:	Grades 9-12

**Description:** This course will highlight the significance of lifetime physical fitness, leisure time activities and sportsmanship. This course will involve experiences in individual and team sports activities such as tennis, horseshoes, Badminton, golf, darts, Softball, washers/beanbags, croquet, Bowling and more.

## SCIENCE

Students must take three credits of science consisting of physical science, chemistry and biology.

### 03159 PHYSICAL SCIENCE

Prerequisites:	None
Duration:	1 year
Credit:	1 credit (required)
Open to:	Grade 9

**Description:** Physical Science is the study of matter, energy and the changes that matter and energy undergo. An introduction to both earth science and physics will be offered to students enrolling for this class. Although both areas will be accompanied by laboratory experiments, activities and projects, the physics area has a strong technology base providing students with a background for technology and science related careers.

### 03051 BIOLOGY

Prerequisites:	Physical Science, Chemistry
Duration:	1 year
Credit:	1 credit (required)
Open to:	Grade 11

**Description:** Biology is the study of life. Students will examine life from the smallest organism to the most complex through the use of lab, discussion, research and lecture. Proposal for 14-15: Biology will be taken in 11<sup>th</sup> grade instead of 10<sup>th</sup>.

### 03101 CHEMISTRY

Prerequisites:	Physical Science
Duration:	1 year
Credit:	1 credit (required)
Open to:	Grade 10

**Description:** This course involves the study of general laws of chemistry, periodicity, atomic and molecular structure, and physical and chemical changes. This course meets every day all year long. A strong emphasis on lab work is part of this course. Labs will be implemented whenever possible.

### **03102 CHEMISTRY(CIS):**

Prerequisites:	Physical Science 9 Chemistry, and Biology
Duration:	1 year
Credit:	1 credit (elective) 4 CLC credits
Open to:	Grades 11-12

**Description:** This course involves the study of general laws of chemistry, periodicity, atomic and molecular structure, and physical and chemical changes. This course meets every day all year long. A strong emphasis on lab work is part of this course. Labs will be implemented whenever possible.

### **03003 GENERAL SCIENCE**

Prerequisites:	Physical Science 9, Chemistry and Biology
Duration:	1 year
Credit:	1 credit (elective)
Open to:	Grades 11-12

**Description:** The first quarter of this course is a forestry component. Students will work out in the school forest as forester would. Credit is tied to Itasca Community College and will allow the student to test out of the basic forestry class at the college. We will be using many physics concepts and activities in the completion of this part of the course. We also will study the composition, structure and properties of matter and how they interact, motion, energy, sound and light. During this class we may be given the opportunity to work on projects which directly affect our environment. These projects may include such topics as alternative energy resources and environmental conservation.

### **03053 HUMAN BIOLOGY (CIS)**

Prerequisites:	Physical Sci & Chemistry
Duration:	1 year
Credit:	1 credit (elective) 3 CLC credits
Open to:	Grades 11-12

**Description:** This course provides an introduction to the structure and function of the human body using an organ systems approach. The organ systems studies include the integumentary, skeletal, muscular, circulatory, respiratory, digestive, excretory, nervous, endocrine and reproductive systems. Human development and heredity will also be integrated.

### **18052 INTRODUCTION TO GARDENING**

Prerequisites:	None
Duration:	1 semester
Credit:	.5 credit (elective)
Open to:	Grade 10-12

**Description:** In this course students will focus on the basics of gardening. Topics studied will include soils, seeds, pest and disease control, types of gardens, types of plants, garden design, etc. This is a semester long course. The EPICS program based on student designed projects that meet the needs of their communities will be a focus in this course.

### **18502 INTRODUCTION TO FORESTRY**

Prerequisites:	None
Duration:	1 semester
Credit:	.5 credit (elective)
Open to:	Grade 10-12

**Description:** In this course, topics such as forest disease and insects, fires, silviculture, soils, etc will be studied. This is a one semester long course. An articulation agreement with Itasca Community College is offered with this course.

### **03151 PHYSICS (CIS)**

Prerequisites:	Physical Science 9, Chem, Biology (good math background desirable)
Duration:	1 year
Credit:	1 credit (elective) 4 CLC credits
Open to:	Grades 11-12

**Description:** A junior/senior elective course that investigates relationships between energy, work, power and motion. Other topics include gravitation, momentum, heat, light, sound, electricity and wave motion. A laboratory approach to discovering relationships is used whenever possible.

## **SOCIAL STUDIES**

The following social studies courses are required for all students graduating from Northland High School: Social 9, 10, 11 and 12 (1 credit each). Also, Personal Finance, a ½ credit required class, is also taught in the social studies department.

### **04101 U.S. HISTORY/SOCIAL STUDIES 9**

Prerequisites:	None
Duration:	1 year
Credit:	1 credit (required)
Open to:	Grade 9

**Description:** American History from the beginning through the present.

### **04052 GLOBAL STUDIES/SOCIAL STUDIES 10**

Prerequisites:	Social 9
Duration:	1 year
Credit:	1 credit (required)
Open to:	Grade 10

**Description:** Global Studies is a survey course. Students will survey major components of world history and world geography.

### **04201 ECONOMICS/SOCIAL STUDIES 11**

Prerequisites:	Social 9 & 10
Duration:	1 year
Credit:	1 credit (required)
Open to:	Grade 11

**Description:** Economics is a required course in which students will study the production, distribution and consumption of goods and services.

### **04205 THE AMERICAN ECONOMY (CIS)**

Prerequisites:	CIS junior or senior
Duration:	1 semester
Credit:	1+credit 3 CLC credits
Open to:	Grades 11/12 (CIS students)

**Description:** This course is an introduction to and a descriptive survey to the modern American economy. Concentration is on the major forces affecting the economy, with



special attention give to the role and responsibility of the federal government. **This class is open to CIS students only. Non-CIS juniors should take Social 11.**

### **04151 US GOVERNMENT/SOCIAL STUDIES 12**

Prerequisites:	Social 9, 10 & 11
Duration:	1 year
Credit:	1 credit (required)
Open to:	Grade 12

**Description:** The United States government course is designed to provide students with essential knowledge and skills related to the nation's government and its historical development.

### **04152 AMERICAN GOVERNMENT AND POLITICS (CIS)**

Prerequisites:	CIS junior or senior
Duration:	1 year
Credit	1 credit 3 CLC credits
Open to:	Grades 11/12 (CIS students)

**Description:** This course primarily is a study of the individual in relation to government. It examines the actors and institutions of contemporary American government and politics. Topics of study include American political thought, the Constitution, federalism, public opinion, interest groups, political parties, campaigns and elections, the mass media, Congress, the President, the bureaucracy, and the Judiciary. There is special emphasis on citizen participation. The emphasis will be on political parties and the changing relationships between voters and political parties. The course will survey the influences at work today on political parties – public opinion, interest groups, and polling and voting behavior. Campaign organizations and how campaigns are financed will be studied, as well as American political cultures and ideologies, and the impact of the media on elections. The course will include the chapters on the Congress and the Presidency, but the emphasis will be on citizen participation, and also the relationship of campaigns and political parties to the changes taking place in these two institutions of American government. This course will include readings of media articles on the presidential campaign and the elections for the U.S. Congress and news articles on the results of the mid-term campaigns and elections. **This course is open to CIS students only. Non-CIS seniors should take social 12.**

### **04254 INTRODUCTION TO PSYCHOLOGY**

Prerequisites:	Junior or Senior
Duration:	1 semester
Credit:	½ credit (elective)
Open to:	Grades 11/12

**Description:** Introduction to Psychology will consist of the basic principles of psychology including thinking, learning, and intelligence. A study of emotions, motivation, personality and abnormal behavior will be included as part of this course work.

### **2040 MINNESOTA & ANISHINAABE HISTORY:**

Prerequisites:	Grades 10-12
Duration:	1 semester
Credit:	½ credit (elective)
Open to:	Grades 10-12

**Description:** Anishinaabe & Minnesota History is an elective study of Anishinaabe and Minnesota history. Students will explore and gain insight about the land and its first people in the past, historically, and at present. The course will also explore the history and impact of the Vikings, Europeans in the wilderness, the trials of becoming a state and settling, industrial development, and politics.

### **22103 PERSONAL FINANCE (CIS - MONEY MANAGEMENT):**

Prerequisites:	Junior or Senior
Duration:	1 semester
Credit:	½ credit (required)
Open to:	Grades 11/12

**Description:** This course introduces students to basic money management skills so they will make informed decisions in managing their personal finances. Topics include understanding the student loan process and obligations, creating a budget debt management, use of credit and credit cards, credit reports, checking and savings accounts, banking basics, insurance issues, developing a personal financial plan and setting financial goals. \*1 college credit available to CIS students AND to non-CIS students with a 2.0 or better GPA.

### **TP404 WORLD HISTORY: 1500 TO PRESENT (CIS)**

Prerequisites:	Junior or Senior
Duration:	1 semester
Credit:	1 credit (elective) 3 CLC credits
Open to:	Grades 11/12

**Description:** This course will explore the major developments in world history from 1500 to the present. Topics will include the development of the major culture areas and cultural groups that existed in 1500, the influence of European expansion and colonialism, democratic revolutions, industrialization, movements for rational liberation, and the rise of the global economy.

## **VISUAL ARTS**

Successful completion of any art course will count toward the arts requirement for high school graduation.

### **05156 2D DRAWING**

#### **05156 2D DRAWING (CIS)**

Prerequisites:	None
Duration:	1 Semester each
Credit:	1/2credit (elective)
Open to:	Grades 9-12 (limit 25)

**Description:** Students will explore a variety of mediums and processes through painting (watercolor and acrylic), drawing, printmaking, and collage. 2-D drawing will focus on drawing skills and dry mediums. Projects will incorporate the design process, using the elements and principles of art. In addition, students will investigate various art movements throughout history, i.e., ancient art, modern art, art deco, etc. **CIS students may take an advanced CIS version of Drawing for college credit (3CLC credits).**

### **05157 2D PAINTING**

#### **05157 2D PAINTING (CIS)**

Prerequisites:	None
Duration:	1 Semester each
Credit:	1/2credit (elective)
Open to:	Grades 9-12 (limit 25)

**Description:** Students will explore a variety of mediums and processes through painting (watercolor and acrylic), drawing, printmaking, and collage. 2-D painting will focus on painting techniques, artists and mixed media. Projects will incorporate the design process, using the elements and principles of art. In addition, students will investigate various art movements throughout history, i.e., ancient art, modern art, art deco, etc. **CIS students may take an advanced CIS version of Painting for college credit (3 CLC credits).**

### **05159 ART 3D**

Prerequisites:	None
Duration:	1 Semester
Credit:	1/2 Credit (elective)
Open to:	Grades 9-12 (limit 25)

**Description:** Students will work with a variety of 3-D processes through ceramics, (hand building and the potters wheel), sculpture, and mixed media. Projects will vary according to availability of materials.

### **05154 ART & DESIGN**

Prerequisites:	None
Duration:	1 Semester
Credit:	½ credit (elective)
Open to:	Grades 9-12 (limit 20)

**Description:** Projects will focus on the design process, using the elements and principles of art. Students will be exposed to Photoshop and Adobe Illustrator when programs are available. This class is offered on an every other year rotation with Art Foundations 3D.

### **8212 ART FOUNDATIONS 3D**

Prerequisites:	None
Duration:	1 Semester
Credit:	1/2 Credit each (elective)
Open to:	Grades 9-12 (limit 25)

**Description:** Students will be introduced to a variety of 3D processes including clay/hand building, wire and cardboard sculpture, carving and mixed media. Projects will vary according to the availability of materials. This class is offered on an every other year rotation with Art & Design.

### **05199 ART MOVEMENTS**

Prerequisites: None  
Duration: 1 Semester  
Credit: 1/2 credit  
Open to: Grades 9-12

**Description:** Students will explore a variety of art mediums and processes based on the various art movements throughout history; i.e., ancient art, modern art, art deco, etc.

### **05155 INTRODUCTION TO ART:**

Prerequisites: None  
Duration: 1 Semester  
Credit: 1/2Credit (elective)  
Open to: Grades 9-12 (limit 20)

**Description:** This class offers students the opportunity to participate in a wide variety of projects exploring different mediums, tools and techniques. Projects include a sampling from the art 2D, 3D and Design courses.

### **ADVANCED CONTRACT PROJECTS 2D:**

Prerequisites: Teacher Approval & Prior Art Experience  
Duration: 1 Semester  
Credit: 1/2 Credit (elective)  
Open to: Grades 9-12

**Description:** Students will meet with the art teacher to determine a course of study based on the student's area of interest. Students can focus on drawing or painting mediums.

### **ADVANCED CONTRACT PROJECTS 3D:**

Prerequisites: Teacher Approval & Prior Art Experience  
Duration: 1 Semester  
Credit: 1/2 Credit each (elective)  
Open to: Grades 9-12

**Description:** Students will meet with the art teacher to determine a course of study based on the student's area of interest. Students will develop a plan based on the mediums available.

## WORLD LANGUAGE/CULTURE

While there is no foreign language requirement for high school graduation, students planning to attend a 4-year college or university are **STRONGLY** encouraged to take at least two years of the same foreign language in high school. Being “language deficient” **CAN** hinder your admission into certain 4-year colleges and universities.

### TP06101 SPANISH I

Prerequisites:	None
Duration:	1 year
Credit:	1 credit
Open to:	Grades 9-12

**Description:** Spanish I 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. This course is intended for students with no previous knowledge of the Spanish language.

**This class is offered via Telepresence from Hill City.**

### TP06102 SPANISH II

Prerequisites:	Spanish I
Duration:	1 year
Credit:	1 credit
Open to:	Grades 10-12

**Description:** In Spanish II, 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. **This class is offered via Telepresence from Hill City.**

### 074039 INTRODUCTION TO OJIBWE LANGUAGE

Prerequisites:	None
Duration:	1 year
Credit:	1 credit
Open to:	Grades 7/8

**Description:** An introductory course designed to give students basic knowledge about the language, along with the culture of the Ojibwe people. In this course, students will

examine the seasonal living cycle of the Ojibwe. Students will have opportunities to participate in cultural activities throughout the course in order to gain hands-on knowledge.

### **06832 OJIBWE I**

Prerequisites:	None
Duration:	1 year
Credit:	1 credit/course
Open to:	Grades 9-12

**Description:** Students will learn basic Ojibwe vocabulary and grammar including commands, negation, and simple compound sentences. All four verb-types (VAI, VII, VTA, VTI) will be examined with an emphasis on VAI verbs. Traditional Ojibwe culture will be integrated throughout the course as a means of gaining greater comprehension of the language. The orthography used in this class is commonly known as double-vowel. (Open to ALL students.)

### **06833 OJIBWE II**

Prerequisites:	Beg. Ojibwe
Duration:	1 year
Credit:	1 credit/course
Open to:	Grades 9-12

**Description:** Second year students will continue in Ojibwe language through advanced curriculum with emphasis on speaking and listening skills. Students continue the exploration of Ojibwe through listening, speaking, reading, and writing. Students will build-on and expand basic Ojibwe vocabulary and grammar. All four-verb types (VAI, VII, VTA, VTI) will be examined with a particular emphasis on VII and VAI verbs. Traditional Ojibwe culture will be integrated throughout the course as a means of gaining greater comprehension of the language. (Open to ALL students.)

### **TP04107 OJIBWE HISTORY & CULTURE:**

Prerequisites:	None
Duration:	1 semester
Credit:	.5 credit/course (elective)
Open to:	Grades 9-12

**Description:** This course is a survey of Ojibwe history and culture from earliest times through the present. We will pay close attention to Native American-European relations and cross-cultural contact. During the semester, students should come to an understanding of the chronology of events during the period, but should also become

aware of the causes of and reactions to the major events. This course presents an opportunity to think critically about the issues that shaped the past and how that past affects the present.

**06839 OJIBWE CULTURE:**

Prerequisites:	None
Duration:	1 semester
Credit:	.5 credit/course (elective)
Open to:	Grades 9-12

**Description:** Surveys aspects of Ojibwe culture and history from pre-culture contact to the present.

**Other:**

**23292 CAREERS:**

Prerequisites:	None
Duration:	1 semester
Credit:	½ credit
Open to:	Grade 9

**Description:** Students enrolled into the Careers course will be completing extensive career research as well as occupational investigation and expectations. The student will develop a focused plan of their career goals and how to go about attaining them through educational planning, post-secondary education and community activities.

**Other Electives (Offered via Telepresence):**

**TP701 ACCOUNTING:**

Prerequisites:	None
Duration:	1 semester
Credit:	1 credit/course
Open to:	Grades 9-12

**Description:** Does your future include a degree in business, marketing, management, finance or even cosmetology? No matter what field you choose, an accounting course will likely be required. Why not learn the basics of accounting to help prepare you for a future accounting class? Accounting has many benefits, regardless of your career choice and the study of accounting is interesting and fun, yet thought-provoking. Use a



computerized workbook and do your work online. **This class is offered via telepresence from Grand Rapids.**

**TP05162 GRAPHIC ARTS:**

Prerequisites:	None
Duration:	1 semester
Credit:	1 credit/course
Open to:	Grades 9-12

**Description:** Students will learn to think conceptually and to develop their visual communication skills through understanding the combination of image and message. They will gain knowledge about the design principles of typography, layout photography and illustration and the part they play in successful graphic design. Presentation skills are offered to prepare students to present their own ideas to others. Students will create some work by hand, but the majority of projects will be introducing the use of Adobe Illustrator and Adobe PhotoShop). **This class is offered via telepresence from Nashwauk.**

**TP405 CIS US HISTORY TO 1865**

Prerequisites:	None
Duration:	1 semester
Credit:	½ credit
	3 CLC credits
Open to:	Grades 11-12

**Description:** This course will acquaint students with the basic chronological narrative and themes of America's past from native North America through the Civil War. Social, political, economic and cultural developments will be covered. A multi-cultural perspective will be incorporated in to the course; taking into account those Americans denied access to positions of political and economic power in the past. Analytical skills focusing on reading, writing, and the use of primary documents will be emphasized. \*Course description is taken from Central Lakes College Course Catalog. **This class is offered via telepresence from Nashwauk.**

## **ONLINE OPTIONS** (2017/18 Schedule)

The following is a list of online offerings through the INFINITY online program. For latest listings and full course descriptions, please see the INFINITY webpage: [www.mninfinity.org](http://www.mninfinity.org).

### **FALL SEMESTER**

#### **Math**

Algebra 1 A\*  
Algebra 2 A\*  
College Prep Math  
Consumer Math  
Geometry A\*  
Intermediate Algebra  
Pre Calculus A (CIS\*)  
Calculus A (CIS\*)  
Statistics A (CIS\*)

#### **Science**

Anatomy A\*  
Biology A\*  
Chemistry A (CIS\*)  
Ecology  
Marine Biology A\*  
Physics A\*  
Weather/Meteorology

#### **Social**

Ancient Civilization (World History 1)  
Anthropology (CIS)  
Criminology  
Cultural Geography (CIS)  
Early American History (U.S. History 1)  
Economics  
U.S. Government

#### **English**

Composition I (CIS)  
Creative Writing

### **SPRING SEMESTER**

#### **Math**

Algebra 1 B\*  
Algebra 2 B\*  
College Prep Math  
Consumer Math  
Geometry B\*  
Probability & Data Analysis  
Pre Calculus B (CIS\*)  
Calculus B (CIS\*)  
Statistics B (CIS\*)

#### **Science**

Anatomy B\*  
Astronomy  
Biology B\*  
Chemistry B (CIS\*)  
Forensic Science  
Marine Biology B\*  
Physics B\*

#### **Social**

20<sup>th</sup> Century Topics (U.S. History 2)  
Criminology  
Economics  
The American Economy (CIS)  
Minnesota Ojibwe History  
Modern Civilization (World History 2)  
U.S. Government

#### **English**

American Literature  
Composition II (CIS)

English 9 A\*  
English 10 A\*  
Myths & Legends  
Short Stories  
World Literature  
Young Adult Literature

**Electives**

Accounting  
Career & Job Skills  
Fitness for Life  
Health & Wellness  
Health Occupations  
Human Behavior & Development  
Marketing  
Personal Fitness  
Photography & Design  
Psychology  
Study Skills  
Web Design  
French 1, 2, 3 A\*  
Spanish 1, 2, 3 A\*

Creative Writing  
English 9 B\*  
English 10 B\*  
Myths & Legends  
Technical Writing  
Young Adult Literature

**Electives**

Art around the World  
Art Appreciation  
Computer Programming  
Fitness for Life  
Health & Wellness  
Interior Design  
Medical Terminology (CIS)  
Money Management  
Personal Fitness  
Personal Development  
Photography & Design  
Psychology  
French 1, 2, 3 B  
Spanish 1, 2, 3 B

### **AFTER SCHOOL CREDIT RECOVERY COURSES**

The Itasca Area Schools Collaborative (IASC) Credit Recovery Program enables students with missing and/or failed credits to make up coursework in the following core subjects:

- Math, Science, English, and Social Studies

Please note that this program is designed for *credit recovery* purposes only. IASC credit recovery is not meant to replace regularly scheduled required classes available at NHS. Classes take place after school one day per week for one semester and are offered via telepresence. Please see Student/Parent handbook for more details or contact the counseling office.

