

Isle High School



Course Description Booklet
2019-2020

MINIMUM REQUIREMENTS FOR GRADUATION

Students will need 26 credits in order to graduate.

Math

- ISD #473 will require 3.5 credits of mathematics for graduation.

Science

- ISD #473 will require 3.5 credits in Science. Must include one credit of Physics 9, one credit of Biology 10 and either one credit of Senior High Chemistry or one year of Senior High Physics.

Language Arts

- ISD #473 requires the completion of 4 credits in the Language Arts for graduation. Must include one credit in each English 9, English 10, and World Literature 11.

Social Studies

- ISD #473 will require 3.5 credits of Social Studies for graduation.

Economics is a MN graduation requirement and is offered at ½ credit or CIS Economics for 1.0 credit.

Physical Education

- ISD #473 will require Physical Education 10-12 and Health 10 for graduation.

Electives

- Students will register for classes based on a ~~7-period semester~~ school day. Students will select elective courses as explained in the Course Description book. At least one of those elective credits (or a combination) must be in the arts (visual arts, music, theatre, dance, or media arts).

NOTE: A semester course is worth ½ credit. Dual Credit Concurrent college courses are worth 1 credit.

INTRODUCTION

The primary purposes of this registration handbook is to help you register for courses which will best meet your individual vocational needs and interests as well as fulfill the basic requirements for graduation.

It is strongly recommended that you develop a tentative plan of classes you should have for each grade level. A well-planned schedule takes time and effort. Give some thought to what you might be doing after graduation and plan your schedule with that in mind. Talk with your parents, the 7-12 Principal, counselor, teachers, office staff and friends and consider their advice in your planning.

Scheduling conflicts or changes in your goals may result in alterations in your schedule, but with a well thought out plan you are much more likely to get the classes you want and need.

REGISTRATION PROCEDURE ISLE HIGH SCHOOL

The student should fill out the registration form in pencil after counseling with his/her parents, the high school counselor, teachers/advisor, and administration. No student will be allowed to drop a course after he/she has registered unless permission has been granted from the teacher, parent and the counselor/administration or there is a schedule conflict. The deadline to drop a class will be the end of the first week of each new semester. Students who drop a class after the deadline will receive a mark of either WU (withdraw unsatisfactory) or WP (withdraw passing). No credit will be given.

- It is reasonable to conclude that students planning to continue their education beyond high school should take all the mathematics they can obtain in their high school years. In most instances students would be well advised to take chemistry in high school since college work in any science area will involve some college level physics and chemistry courses. In this day and age it would also be in a student's best interest to include Media Production to complement an overall technical education.
- A "C" average should have been maintained in previous math courses before acceptance in an advanced elective course. Exception: through counseling or a request of the instructor, a student may be given a trial period.
- Preference shall be given to upperclassmen for some subjects. Scheduling is done on a first come first serve by grade level.
- Students who plan to take independent study courses must have permission from the supervising teacher, the administration, and must plan their program. Independent student contract forms are obtained from the counselor's office and must be filled out before approval will be given. Online courses, such as, but not limited to, Infinity, also fit into the independent study criteria.
- No independent study course may be taken for a course that is offered during the regular school year unless there is some extreme circumstance and approved by the administration.
- Student Teacher's Assistant - one-half credit (.25/semester) will be allowed towards graduation. Teacher aide forms are obtained from the high school office and must be filled out before approval will be given. Grading will be either S (Satisfactory), or U (Unsatisfactory). Students must be on the A/B Honor Roll in order to be a TA and must be a senior, though special administrative consideration may be given to individual students should the circumstances warrant it.
- Included with each course description are the grades in which the student will be permitted to take a course. Prerequisite courses must be taken prior to taking some advanced courses.
- The courses listed on the following pages will be offered during the next school year if there are enough students who sign up for the course. Some courses may be dropped if enrollment is low.
- Please complete the registration form at the end of this booklet in pencil. You, the administration, your advisor and your parent/guardian must sign the registration form before you will be able to complete your registration.
- All students registering for grades 11-12 must meet with the counselor or administration before they will be allowed to register for classes. The counselor or administrator will review a student's progress toward graduation and approve their prospective courses for the next year.
- Students will be notified of any changes to academic policy and procedures.
- Some courses may be subject to change.
- ITV courses have class size limitations.

Web-Based Courses

What is a "Web-Based" course? A web-based course is a course taught by using the Internet. The information needed to study for this course is posted on the web. You can download information from a location using an internet-ready computer. This gives you the opportunity to take this class from anywhere and study when it's convenient to you.

For information on registering for a web-based course, use the Central Lakes web site (www.clc.cc.mn.us) or the Infinity web site (www.mninfinitivity.org). See the high school office for more information.

Once a student has registered for a course, he/she may work on that course in the computer lab or media center during a time convenient to the student.

Bridges Career Academies

The Bridges Career Academies offer students, grades 9 through 12, the opportunity to explore a career pathway while preparing for employment and/or post-secondary education. Academy courses are project based with hands-on learning activities that combine technical, academic and work-skills related to a specific career. The Academy curriculum offers students personalized, practical, and integrated learning experiences. Students enrolled in the Academies take class at their high school and receive high school and in some cases college credit.

The Bridges Career Academies are coordinated by Central Lakes College, and supported by Central Lakes College, Brainerd Lakes Area Chamber, Carl Perkins Consortium, Initiative Foundation, and the Otto Bremer Foundation.

Current Bridges Career Academies offered at Isle High School:

- Isle Career Exploration Career Academy (CE)
- Isle Child Development Career Academy (CD)
- Isle Health Sciences Career Academy (HS)
- Isle Hospitality Career Academy (HC)
- Civic Responsibility and Government Career Academy (CR)

Bridges Career Academy courses are identified in this booklet with an asterisk (*) and a label as to which academy they apply to.

COURSE DESCRIPTIONS

ART

Name of Course: **ART 9**

Amount of Credit: 1/2

Available to Grade: 9

Required for Graduation: N/A

Prerequisite(s): None

Description: Students in this class will explore a variety of art materials while demonstrating an understanding of the elements and principles of design. Students will create, critique and display their artwork throughout the semester.

Name of Course: **DRAWING AND PAINTING**

Amount of Credit: ½

Available to Grades: 10-12

Required for Graduation: Elective

Prerequisite(s): None

Description: In this studio class students will increase both their technical and compositional skills in both drawing and painting. Students will work with acrylic and watercolor paints and explore both abstract and realistic subject matter.

Name of Course: **FOLK ART**

Amount of Credit: 1/2

Available to Grades: 10 -12

Required for Graduation: Elective

Prerequisite(s): Preferably Drawing.

Description: In contrast to fine art, folk art is primarily utilitarian and decorative rather than purely aesthetic in nature. Some of the techniques that will be covered in this class include basketry, fiber art, bookbinding and hand built pottery.

Name of Course: **POTTERY / CERAMICS**

Amount of Credit: 1/2

Available to Grades: 11-12

Required for Graduation: Elective

Prerequisite(s): None

Description: Students will become familiar and increase their skill in both handbuilding and throwing techniques using ceramic clay.

Name of Course: **DIGITAL PHOTOGRAPHY FUNDAMENTALS**

Amount of Credit: 1/2

Available to Grades: 10-12

Required for Graduation: Elective

Prerequisite(s): None

Description: Introduces the aesthetic and technical theories and techniques of digital photography with and emphasis on composition. Topics include camera and lens operation, memory cards, file formats, exposure, white balance, composition, lighting, creativity, image editing software and output. Students will use both provided digital cameras and personal devices.

Name of Course: **ADVANCED STUDIO TECHNIQUE**

Amount of Credit: 1//2

Available to Grades: 10-12

Required for Graduation: Elective/Art credit

Prerequisite(s): None

Description:

Advanced Studio Techniques is a course available to students 10-12 who have completed at least 1 H.S. art emphasis course (ie: Drawing, Painting, Ceramics, Folk Art, Photography, Graphic Design, Sculpture) . In advanced studio

techniques, students will work to independently grow their skills, experience and artwork portfolios in their chosen emphasis area(s) through research, experimentation, in class demonstrations, and final works. Class lectures will cover art movements and approaches from multiple media perspectives, as well as cover topics such as art emphasis career paths, entering shows and galleries, and building your own art portfolio.

Name of Course: **ITV COLLEGE ART(INTRO TO VISUAL ARTS)**

Amount of Credit: 1 high school and 3 college credits

Available to grades: 11-12

Required for graduation: READ 0220 Reading Strategies and ENGL 0230 Writing Foundations OR placement determined by placement scores AND/OR have completed 1 semester of Studio Art or Art History with a grade of B or higher, a cumulative GPA of 3.1, and Top 1/3 of Junior class or Top 1/2 of senior class.

Description: Introduction to Visual Arts is a 3-credit course offered through Pine Technical and Community College. This course is an introduction to the essential concepts, styles, and forms of Western and non-Western visual arts, along with the variety of manners in which arts is understood. The students will learn the appreciation of art through studying the principles, techniques and materials of design; the popular and historical development of art; art criticism; and aesthetic awareness.

BUSINESS

Name of Course: **9th GRADE FUTURES PREP**

Amount of Credit: 1/2

Available to Grades: 9

Required for Graduation: No

Prerequisite(s): None

Description: Ninth Grade Future Prep will cover a wide array of topics useful in the workplace. This will include lessons on career investigation, job applications, and job interview techniques, as well as personal finance lessons on budgeting money, credit, taxes, and maintaining a checking account. The class will also supplement these topics with technology lessons including the use of Microsoft Word, and Microsoft Excel.

Name of Course: **ACCOUNTING I ***

Amount of Credit: 1

Available to Grades: 10-11-12

Required for Graduation: Elective-Bridges Academy Class- **(CD)**, Bridges Academy Class- **(HC)**

Prerequisite(s): None

Description: In today's world, there is a continually increasing need to keep accurate financial records. Accounting is a one-year course that teaches the fundamentals necessary in keeping books for either personal or business use. Students will examine source documents, and determine how to classify and journalize each item. Also covered is creation of financial documents, including worksheets, income statements, and balance sheets.

Name of Course: **ACCOUNTING II**

Amount of Credit: 1/2

Available to Grades: 10-11-12

Required for Graduation: Elective usually offered as Independent Study with the consent of the teacher.

Prerequisite(s): completion of one trimester of Accounting I

Description: Accounting II is a one-trimester course that explores financial recordkeeping at a corporate level. Students will examine source documents, determine how to classify and journalize items including stocks and bonds issued by a corporation, and calculate turn-over ratios. Also covered is creation of financial documents, including worksheets, income

statement, balance sheets and plant asset records including determining depreciation ratios.

Name of Course: **ECONOMICS**

Amount of Credit: 1/2

Available to Grades: 10-11-12

Required for Graduation: Yes (*Or CLC American Economy*), Bridges Academy Class- **(CR)**

Prerequisite(s): None

Description: This course is a study of basic economic principles aimed at improving the student's understanding of the economic system in which we function. Included will be a consideration of personal financial management, recognizing our economic system and how it fluctuates, the relationship between supply and demand, recognizing costs of starting and running a business, and how taxes are a valuable part of our economy. Students will also participate in a stock market simulation and keep up to date on current economic trends

Name of Course: **BUSINESS LAW** (*Independent Study*)

Amount of Credit: 1/2

Available to Grades: 10-11-12

Required for Graduation: Elective, Bridges Academy Class- **(CR)**

Prerequisite(s): None

Description: Business law is a study of how our laws were created, how they affect us, and the ethical decisions that our laws are based upon. Students will study current laws as well as terminology related to law. We will concentrate on laws related to businesses, those working for businesses, and working with businesses. We will also cover laws related to the workplace, contracts, renting property, and marriage and will study the U.S. Constitution, Supreme Court justices, and landmark Supreme Court cases.

Name of Course: **MARKETING** (*Independent Study*)

Amount of Credit: 1/2

Available to Grades: 10-11-12

Required for Graduation: Elective

Prerequisite(s): None

Description: Marketing is all around us. From the moment we enter this world we are exposed to marketing. This course will enable students to recognize, understand, and apply marketing techniques. This will allow them to make informed decisions on consumer choices and to transition from thinking like a consumer to thinking like a marketer.

Name of Course: **MICROSOFT OFFICE CERTIFICATION**

Amount of Credit: 1/2

Available to Grades: 10-11-12

Required for Graduation: Elective

Prerequisite(s): None

Description: This course will help you demonstrate your expertise in using the Microsoft Office suite of programs including Excel Word and PowerPoint. Assignments are designed to prepare students for the Microsoft Office Specialist (MOS) certification exam, which can be taken at the end of the course. Microsoft Office Specialist Certification is a great resume builder that boosts employment opportunities in a wide range of careers.

Name of Course: **CLC ACCOUNTING I and CLC ACCOUNTING II** (*two semesters*)

Amount of Credit: ½ Per Semester (*plus 3 college credits through Central Lakes College*)

Available to Grades: 11-12

Required for Graduation: Elective (*counts as ¼ math credit per semester*)

Prerequisite(s): GPA Requirements (minimum 3.0 for juniors and 2.5 for seniors) and completed Accuplacer test. No prerequisites if taken for high school credit only.

Description: In today's world, there is a continually increasing need to keep accurate financial records. Accounting is a one-year course that teaches the fundamentals necessary in keeping books for either personal or business use. Students will examine source documents, and determine how to classify and journalize each item. Also covered is the creation of financial documents, including worksheets, income statements, balance sheets, and balancing checkbooks.

Name of Course: **CLC AMERICAN ECONOMY**

Amount of Credit: 1/2 (*plus 3 college credits through Central Lakes College*)

Available to Grades: 11-12

Required for Graduation: Yes (*or Economics*), Bridges Academy Class- **(CR)**

Prerequisite(s): GPA Requirements (minimum 3.0 for juniors and 2.5 for seniors) and completed Accuplacer test.

No prerequisites if taken for high school credit only.

Description: This course is an introduction to and a descriptive survey of the modern American economy.

Concentration is on the major forces affecting the economy, with special attention given to the role and responsibility of the federal government. Students will also participate in a stock market simulation and keep up to date on current economic trends.

Name of Course: **INTRO TO BUSINESS**

Amount of Credit: 1/2

Available to Grades: 11-12

Required for Graduation: Elective

Prerequisite(s): No prerequisites if taken for high school credit only.

Description: This course is a survey of the forces that shape business in America and an overview of how American business responds. Topics include business economics, forms of business organizations, management functions, marketing procedures, business finance, and insurance consideration

FAMILY AND CONSUMER SCIENCE

Name of Course: **FACS 9**

Amount of Credit: ½

Available to Grades: 9

Required for Graduation: Elective

Prerequisite(s): None

Description: This semester course covers the basics of nutrition and how to work with others in a kitchen setting. Everything from picking recipes, shopping, preparing, eating, and cleaning will be practiced during this time. Sewing skills will be learned by constructing two projects. Skills that will be used are sewing machine operation, reading directions, and hand sewing.

Name of Course: **FOODS I ***

Available to Grades: 10-12

Amount of Credit: ½

Required of Graduation: Elective-Bridges Academy Class- **(HC)**

Prerequisite(s): None

Description: Students will also learn to read recipes and use measurements. Kitchen safety, basic nutrition and planning nutritious meals are also part of this course. How different cultures influence the meals we eat everyday will be researched. Food experiments and Food Science will be used during this class.

Name of Course: **FOODS II / FOODS LAB ***

Amount of Credit: 1 (½ credit for each period)

Available to Grades: 11-12

Required of Graduation: Elective-Bridges Academy Class- **(HC)**

Prerequisite(s): Pass Foods I

Description: Building on previous skills, students will experience different techniques for preparing foods. Areas covered will be yeast breads, pastries, candies and cookies, garnishes and food presentation. Ethnic foods will also be explored.

Name of Course: **FAMILY LIFE ***

Amount of Credit: ½

Available to Grades: 10-12

Required for Graduation: Elective-Bridges Academy Class- **(CD)**

Prerequisite(s): None

Description: This course explores the family unit from birth through the aging process, focusing on family responsibilities and how problems in society affect families. Functions and stages of the family are discussed as well as coping with family crises, alcoholism, divorce, family violence, aging, abuse, death and dying. The institution of marriage and mate selection will also be covered.

Name of Course: **CHILD PARENTING ***

Amount of Credit: ½

Available to Grades: 10-12

Required for Graduation: Elective-Bridges Academy Class- **(CD)**

Prerequisite(s): None

Description: This course covers parenthood and the responsibilities involved, conception, birth, prenatal and postnatal care of the mother and child and birth defects. The course also covers the physical, mental, emotional and social development of the newborn up to the toddler. Students will also develop, plan and implement a mini preschool. The students will also have an opportunity to work with and observe children of different ages in a variety of different settings.

Name of Course: **HOUSING AND INTERIORS**

Amount of Credit: ½

Available to Grades: 10-12

Required for graduation: No

Prerequisite(s): None

Description: Students in this course will develop knowledge and skills at the exploratory and advanced level to allow students to make appropriate housing decisions in the future . They will be able to evaluate which design principles they would like to incorporate into their home. Some principles to be covered are color schemes, elements of design and flow charts for rooms. The different architecture of homes throughout history will also be covered. They will be able to understand construction by reviewing construction basics and remodeling interiors. Students will also explore green versus regular housing construction options.

Name of Course: **INTRO TO LIFE**

Amount of Credit: ½

Available to Grades: 11/12

Required for Graduation: No

Prerequisite(s): None

Description: This course will put the students through life's choices and challenges. Some of the things covered include job searches, housing, marriage, banking, insurance, and all the experiences that make life an adventure.

Name of Course: **QUILTING**

Amount of credit: 1/2

Available to Grades: 10-12

Required for Graduation: No

Prerequisite(s): None

Description: Students will learn the tools, techniques, art and history of quilting. Students will learn to cut and measure with precision as they apply many of the theories of basic geometry as they create a quilt of their own.

HEALTH

Name of Course: **HEALTH 9/CHARACTER DEVELOPMENT AND LEADERSHIP**

Amount of Credit: ½

Available to Grades: 9

Required for Graduation: Yes

Prerequisite(s): None

Description: The main objective of this course is to improve the character and leadership traits by developing critical thinking skills, building basic social skills, emphasizing positive changes in attitude and promoting essential components of character and leadership. To accomplish this objective: (1) students will complete readings about a positive role model each week, (2) the instructor will utilize various forms of pop-culture to demonstrate core components of character and (3) students will have different opportunities to apply the concepts of the course to their personal lives, academic competencies and future goals. This class also incorporates the TOP 20 skills curriculum adopted by the Isle School District.

Name of Course: **HEALTH 10-12 / SENIOR HIGH HEALTH**

Amount of Credit: ½

Available to Grades: 10-12

Required for Graduation: Yes

Prerequisite(s): None

Description: This course is designed to help the student appreciate good health habits and acquire knowledge of good health habits. Students will demonstrate knowledge of how their social, physical and mental health is directly affected by their daily decisions. Course units include the following: Personal Health and Fitness, Mental Health, Nutrition, Chemical Health, Body Systems, Family Health and Diseases and Disorders. Students will recognize good health as the responsibility of the individual and the community.

Name of Course: **MEDICAL CAREERS** *

Amount of Credit: ½

Available to Grades: 11-12

Required for Graduation: Elective-Bridges Academy Class- **(HS)**

Prerequisite: Senior High Health

Description: The Healthcare Core Curriculum is a series of entry-level courses for the student with an interest in health care but little or no experience. The student will be introduced to entry-level concepts containing necessary information for health care workers. Emphasis is on awareness of client needs and basic skill development. Students will job shadow healthcare professionals in all aspects of health care.

Considerations: Transportation (the student is responsible for transportation to and from labs at the MLHS)

The Healthcare Core Curriculum provides knowledge that is applicable for employment in a wide range of healthcare and human service settings. Eight modules provide the learner with the skills and principles necessary for entry-level positions in healthcare. The modules may be taken in any order. Coursework includes:

Overview of career opportunities available

- Roles of health care workers, licensure or credentialing requirements
- Behaviors suitable for the workplace
- Employer expectations
- Effective communication skills
- Respect for the diversity of staff and clients
- Awareness of client needs
- Legal and ethical implications in health care settings
- Safety issues in the workplace

This course will involve clinical experience through the Mille Lacs Health System.

Name of Course: **MEDICAL TERMINOLOGY** (through CLC or Infinity for concurrent college credit) *

Amount of Credit: ½ (3 college credits)

Available to Grades: 11-12

Required for Graduation: Elective-Bridges Academy Class- **(HS)**

Prerequisite(s): Language Arts 9 and 10

Description: Medical Terminology is a college level course designed for the student interested in pursuing a career in the healthcare field. This course covers introduction to word analysis by study of root words, prefixes, suffixes, and abbreviations common to the medical profession. Students will use the technique of combining root words, prefixes, and suffixes to be able to spell, pronounce and locate words that he/she will encounter in the medical setting.

INDUSTRIAL TECHNOLOGY

Name of Course: **9TH GRADE APPLIED TECH**

Amount of Credit: ½

Available to Grades: 9

Required for Graduation: No

Prerequisite(s): None

Description: Learning about technology can be fun. In this course students will learn about the importance of technology and how it impacts society. Students will develop and use problem solving, critical planning, drafting/designing and engineering techniques to create technical projects relating to the diverse field of technology. Topics will include but are not limited to transportation, energy, construction, computer design, robotics and CNC computer programming.

Name of Course: **CONSTRUCTION TECHNOLOGY**

Amount of Credit: ½

Available to Grades: 10-12

Required for Graduation: Elective

Prerequisite(s): None

Description: This course will cover the technology of constructing residential and commercial buildings. Areas that will be covered include site preparations, foundation systems, superstructures, enclosures, utilities, finishing methods and various types of state of the art building materials. Students will also explore employment opportunities in relation to the construction field. The course is designed to develop minimal skills in a wide variety of construction activities.

Name of Course: **WOODWORKING TECHNOLOGY**

Amount of Credit: ½

Available to Grades: 10-12

Required for Graduation: Elective

Prerequisite(s): None

Description: This course is designed to develop skills and safety related to the care and use of advanced woodworking tools, machines and materials. Students will be able to explore the technical methods that are used in the art of cabinetry/furniture construction. The student will acquire knowledge of processes and technical information, which will enable the student to plan logical work procedures through a project of the student's choice.

Name of Course: **APPLIED TECHNOLOGY**

Amount of Credit: ½

Available to Grades: 10-12

Required for Graduation: Elective

Prerequisite(s): None

Description: Learning about technology can be fun. In this course students will learn about the importance of technology and how it impacts society. Students will develop and use problem solving, critical planning, drafting/designing and engineering techniques to create technical projects relating to the diverse field of technology. Including but not limited to transportation, energy, electricity, construction, computer design, robotics and CNC computer programming.

Name of Course: **MANUFACTURING TECHNOLOGY**

Amount of Credit: ½

Available to grades: 10-12

Required for Graduation: Elective

Prerequisite(s): None

Description: Students will learn about manufacturing and production by developing and operating a manufacturing line. Students will develop skills through hands-on, group, and individual exercises, classroom lessons, and research. Other projects will include CNC programming, robotics, jigs and fixtures, planning, operations and different production methods.

Name of Course: **BASIC WELDING**

Amount of Credit: ½

Available to grades: 11-12

Required for Graduation: Elective

Prerequisite(s): None

Description: This course is an introduction to the fine art of welding. In this class students will develop a better understanding of the types of metals and their applications that go hand in hand with metallurgical processes. Students will gain hands on experience with Oxy-Acetylene welding, Arc welding, MIG (wire feed) welding and plasma cutting. This course is a great opportunity to advance your skills as a welder.

Name of Course: **MEDIA ARTS**

Amount of Credit: ½

Available to Grades: 11-12

Required for Graduation: Elective

Prerequisite(s): Desktop Publishing

Description: Multimedia refers to the various types of media devices that are possible to use in conjunction with a computer. Some of these devices could be scanners, digital camera, video editing and capturing devices and more. This class will create multimedia presentations, computer generated movies, and student-produced and manipulated movies. Students will hone previously learned skills and develop new one while exploring various multimedia formats.

Name of Course: **SMALL ENGINES**

Amount of Credit: ½

Available to Grades: 11-12

Required for Graduation: Elective

Prerequisite(s): None

Description: Through the use of shop and classroom time students will complete an entire teardown and rebuild of a single cylinder 4-cycle engine as well as complete work from chapter reading/workbook assignments on the principles of how and why engines function. Students will be required to provide an engine for disassembly/reassembly. Typically, lawnmowers are the most common and easiest to come by. The shop may have one or two for students that can not obtain one, but there are no guarantees.

Name of Course: **COMPUTER AIDED DRAFTED**

Amount of Credit: ½

Available to Grades: 11-12

Required for Graduation: Elective

Prerequisite(s): None

Description: This course will provide students with a creative overview of the applications and development of Computer Aided Drafting/Design. Students will learn, design and apply computer drafting techniques and principles to create 2D and 3D drawings. Students will become familiar with the various career opportunities that are directly related to CAD technology and engineering. Evaluation will consist of how well the students learn and apply the information to specific drafting and design projects throughout the trimester

Name of Course: **CONSTRUCTION METHODS**

Amount of credit: 1 (½ credit for each period)

Available to Grades: 11-12

Required for Graduation: Elective

Prerequisites(s): None

Description: In this hands-on light construction course, students will prepare for a career in the skilled trades. Through actual planning and building, this class will design and construct a small structure. Topics covered include: job site safety, drafting, construction codes, estimating and fundamentals.

LANGUAGE ARTS

Name of Course: **COMMUNICATIONS 9**

Amount of Credit: 1

Available to Grades: 9

Required for Graduation: Yes

Prerequisite(s): English 8

Description: Students learn to improve listening skills, to improve small group discussion skills as well as learning to make presentations to a class. Students write essays and deliver speeches designed to inform, and describe experiences/places. Sentence styles, sentence lengths, sentence variety, topic sentences, organizational methods, conclusions, writing mechanics and other techniques will be learned to facilitate essays and speeches. Learning to research, organize and document sources/information in reporting on a variety of topics will also be explored. Students will enhance the communication skills necessary to continue to succeed in senior high communications courses.

Name of Course: **ENGLISH 10**

Amount of Credit: 1

Available to Grades: 10

Required for Graduation: Yes

Prerequisite: Communications 9

Description: This course focuses on Western Hemisphere American Literature – including the United States, Canada, and Mexico. Comprising a selected survey of American literature and cultures, this course we will focus on literature written in English from pre-Colonial times through the 21st Century. The course explores the invention and formation of “American literature”, examining some of the fundamental ideas, myths, assumptions, intellectual concepts, and popular perceptions, as well as examining the interaction between literature and history, seeing how authors have responded to important historical events and how they have contributed to major social movements, especially the struggles of women and racial minorities for social justice. Emphasis is placed on an understanding of major American works and their authors, continued development of vocabulary, writing, and oral communication skills, appreciation of multicultural literature, and the completion of at least one formal research paper paired with a multi-media presentation.

Name of Course: **WORLD LITERATURE I**

Amount of Credit: ½

Available to Grades: 11

Required for Graduation: Yes

Prerequisite: Communications 9 and English 10

Description: This course is intended to expose students to 20th century literature from diverse cultures of the world. This section focuses on authors from Africa, the Middle East and Asia. Students will focus on the concepts of human condition/nature, conflict and culture. The average day will begin with journal writing and a homework check, followed by discussion of the homework, group literature activities and time to begin homework. Reading quizzes will often be unannounced; therefore, students should come to class prepared. Each unit will be completed with a unit test that will be comprised of multiple choice, true/false, matching and/or written response questions. Students will write at least one peer reviewed, formal paper and deliver at least one formal speech.

Name of Course: **WORLD LITERATURE II**

Amount of Credit: ½

Available to Grades: 11

Required for Graduation: Yes

Prerequisite: Communications 9 and English 10.

Description: This course is intended to expose students to 20th century literature from diverse cultures of the world. Units in this section focus on authors from: Eastern Europe, Western Europe, Britain, Ireland, and authors from the Americas, but not the United States. Students will focus on the concepts of human condition/nature, conflict and culture, this course does build upon knowledge from World Literature 1. The average day will begin with journal writing and a homework check, followed by discussion of the homework, group literature activities and time to begin homework. Reading quizzes will often be unannounced; therefore, students should come to class prepared. Each unit will be completed with a unit test that will be comprised of multiple choice, true/false, matching and/or written response questions. Students will write at least one

peer reviewed, formal paper and deliver at least one formal speech.

Name of Course: **MYSTERY & FANTASY**

Amount of Credit: ½

Available to Grades: 11-12

Required for Graduation: Elective

Prerequisite: Communications 9 and English 10

Description: This course explores the wondrous realms of

- Modern Fantasy and Speculative Fiction from H. P. Lovecraft and Jack Vance,
- Fables/ Fairy Tales, some “Fractured,” and
- Mystery Writers and their famous detectives: Arthur Conan Doyle’s Sherlock Holmes in the mystery novel The Hound of the Baskervilles, Agatha Christie’s sleuth Hercule Poirot, and Rex Stout’s detective Nero Wolfe as presented in the PBS series.

Name of Course: **BRITISH LITERATURE I** (Early/Medieval to 18th Century British Literature)

Amount of Credit: ½

Available to Grades: 11-12

Required for Graduation: Elective

Prerequisite: Communications 9 and 10

Description: This course covers British Literature from A. D. 449 to 1798. Units include The Old English and Medieval Periods, The English Renaissance Period, and the 17th and 18th Centuries. Major readings include The Epic of Beowulf and Julius Caesar.

Name of Course: **BRITISH LITERATURE II** (The Romantic Period to Post-modern British Literature)

Amount of Credit: ½

Available to Grades: 11-12

Required for Graduation: Elective

Prerequisite: Communications 9 and English 10

Description: This survey course covers British Literature from 1798 to the Present. Units include The Romantic Period; The Victorian Period; and The Modern and Postmodern Periods. Readings may include: Alice in Wonderland, the play The Importance of Being Earnest, Dr. Jekyll and Mr. Hyde; the movies Jane Eyre or Wuthering Heights.

Name of Course: **THE PLAY'S THE THING**

Amount of Credit: ½

Available to Grades: 11-12

Required for Graduation: Elective

Prerequisite: Communications 9 and English 10

Offered: Every other year.

Description: Description: This class is designed to develop an appreciation for and understanding of the theater. Students will learn the basic elements and principles of theatrical performance and technologies, basic theatrical and stage terminology, and the origins of theater. This course presents an historical survey of plays which may include:

- Antigone
- Everyman
- A Midsummer Night’s Dream
- Othello
- Dr. Faustus
- The Phantom of the Opera
- Death of a Salesman
- A Raisin in the Sun
- Rent
- Macbeth

Name of Course: **POETRY**

Amount of Credit: ½

Available to Grades: 11-12

Required for Graduation: Elective

Prerequisite: Communications 9 and English 10

Offered: Every year.

Description: In the book The River Sings, students will study elements of poetry including terms (meter, rhyme, rhythm) and devices (alliteration and onomatopoeia, simile and metaphor.) Students will be introduced to spoken word poetry and study several famous poets and their works. Collections may include My Last Duchess and Other Poems by Robert Browning and The Vintage Book of Contemporary World Poetry. Emphasis is placed on analysis and discussion of poetry.

Name of Course: **SCIENCE FICTION LITERATURE (WORLDS OF WONDER)**

Amount of Credit: ½

Available to Grades: 11-12

Required for Graduation: Elective

Prerequisite: Communications 9 and English 10

Description: Science fiction literature allows students to explore the sense of wonder. This course will cover classic Science Fiction works such as Mary Shelley's Frankenstein and The Time Machine by H. G. Wells. We will read other short stories and even engage in our own creative writing exercises in the genre. In addition, students will gain an understanding of the history of the genre and explore how it has impacted the world.

Name of Course: **NATIVE AMERICAN LITERATURE**

Amount of Credit: ½

Available to Grades: 11-12

Required for Graduation: Elective

Prerequisite: Communications 9 and English 10

Description: Students will read a variety of fiction, nonfiction, and poetry written by Native American authors in Native American Literature, An Anthology, ed. Lawanna Trout. Other materials may include other readings and videos, Indian Givers, How the Indians of the America Transformed the World by Jack Weatherford, and the 500 Nations series hosted Kevin Costner. Emphasis is placed on understanding culture and identity, stereotypes, and historical events. Students will also study select authors such as Sherman Alexie, Minnesota author Gerald Vizenor, and others.

Name of Course: **MEDIA LITERACY**

Amount of Credit: ½

Available to Grades: 11-12

Required for Graduation: Elective

Prerequisite: Communications 9 and 10

Description: Interested in exploring movies, websites, photographs, advertisements, tv shows, or magazines? In a world that is saturated with technology, we can no longer be passive consumers of media. We need to be active viewers, listeners, readers, and creators. Today, we have a personal responsibility to engage in critical thinking about the messages we are exposed to. Media literacy helps us understand, analyze, and create media. It is thinking about and deconstructing the messages we are exposed to. We will explore the goals of various formats, identify the effects media has on us, understand benefits and potential negative effects of media content, and practice techniques to become more media literate. We'll also discuss the importance of understanding multiple points of view, stereotypes, and fallacies. Here, you will be able to develop an informed, critical, and practical understanding of media and advertising.

Name of Course: **PUBLIC SPEAKING**

Amount of Credit: ½

Available to Grades: 11-12

Required for Graduation: Elective

Prerequisite: Communications 9 and English 10

Description: In this course, students will construct and deliver speeches for a variety of purposes such as persuading, informing, demonstrating, and entertaining. To communicate effectively, students will learn to select appropriate techniques, construct informational support through the use of research, visual aids, technology, and other equipment; and use effective presentation styles. Students will also learn the importance of understanding who their audience is prior to

presenting a speech.

Name of Course: **YOUNG ADULT LITERATURE**

Amount of Credit: ½

Prerequisite: Communications 9 and English 10

Available to Grades: 11-12

Required for Graduation: Elective

Description: This course will require students to do a great deal of independent reading both in and out of class. During the course, we will be reading 10 full-text novels. The focus of this course is reading for life. This goal is to help young adults gain insights into their futures while examining themselves through the use of literature. This course is intended to be an exploration of the issues and themes prevalent in young adult literature and how this literature can affect young readers. Reading young adult literature in the classroom can help students become more understanding of themselves, their peers, their parents and other adults, and their world. Therefore, the primary purpose of the course is to read and critique excellent contemporary young adult novels that contain themes and lessons that young adults may apply in their own lives while enabling student to practice their critical reading skills.

Name of Course: **CREATIVE WRITING**

Amount of Credit: ½

Available to Grades: 11-12

Required for Graduation: Elective

Prerequisite: Communications 9 and English 10

Description: This course focuses on writing, a lot of writing. Students will study the elements of literature, examine them in the words of famous authors, and implement them into their own writing. Through daily assignments, projects and revisions, students will create a body of work that includes short stories, poetry, short dramas, and essays. In order to create the best possible product, students will also study techniques of establishing setting, character, conflict and theme; using figurative language in both poetry and prose; and how to use satire, irony, humor, and inventive language. Students will build vocabulary, strengthen grammar skills, and practice the various modes of writing.

Name of Course: **COMPOSITION I**

Amount of Credit: 4 CLC credits (12 Students), also offered through Infinity for CLC credit

Available to Grades: Juniors/Seniors with a “B” average and appropriate Accuplacer score

Required for Graduation: English Elective

Prerequisite(s): As prescribed by Central Lakes College

Description: Students will write a minimum of seven (7) formal essays. Three of these essays will be the process paper, interpretation paper, and evaluation paper. These seven essays will employ such rhetorical methods as description, exemplification, narration, comparison/contrast, definition and classification. In addition the students will receive a minimum of twelve (12) hours of grammar. At the discretion of the instructor, students may also write journals, a resume, a cover letter, and an analogy.

Name of Course: **COMPOSITION II**

Amount of Credit: 4 CLC credits (12 Students), also offered through Infinity for CLC credit

Available to Grades: Juniors/Seniors with a “B” average and appropriate Accuplacer score

Required for Graduation: English Elective

Prerequisite(s): ENGL 1410 and other as prescribed by Central Lakes College

Description: Students will write a minimum of five (5) formal essays. At least one of these essays will be a formal research paper. These essays will cover argument, cause and effect, reaction to literature, evaluation and interpretation. Students will also learn how to use the Learning Resource Center’s computer catalogues and the Internet for research purposes. Included in this will be ways to link topic headings in order to narrow a search. Students will also write papers in both the Modern Language Association (MLA) and American Psychological Association (APA) styles

MATHEMATICS

(All students are required to have a **graphing** calculator)

Name of Course: **ALGEBRA I**

Amount of Credit: 1 (Two Semesters)

Available to Grades: 9+

Required for Graduation: Yes

Prerequisite(s): Grade 8 Algebra 1

Description: Algebra 2 transitions between Algebra 1 and higher-level mathematics courses such as Trigonometry and Precalculus. It also provides a solid foundation for Geometry. Students will learn to solve, factor, evaluate, and graph various kinds of equations. These include quadratic, polynomial, radical, exponential, logarithmic, and rational functions. Students will also learn the basics of data analysis and probability. Students will preview concepts from Geometry such as the Pythagorean Theorem, logic and fallacy, and congruences if time allows. Algebra 2 will focus on mathematical problem-solving skills and applications.

Name of Course: **ALGEBRA II**

Amount of Credit: 1 (each semester)

Available to Grades: 11-12

Required for Graduation: Required Elective or Comparable

Prerequisite(s): Algebra I and Geometry

Description: Advanced Algebra provides the foundation for higher-level mathematics courses such as Trigonometry and Precalculus. Students will review topics including and beyond basic linear, quadratic, polynomial, and exponential equations and functions. These topics include absolute value, piecewise, inverse, power, radical, logarithmic, and rational functions. Advanced Algebra students will also learn more advanced data analysis and statistics. Students will also review trigonometric functions, sequences, and conic sections. Advanced Algebra will focus on mathematical problem-solving skills and applications.

Name of Course: **GEOMETRY**

Amount of Credit: 1 (Two Semesters)

Available to Grades: 10-12

Required for Graduation: Yes

Prerequisite(s): Algebra I

Description: This course seeks to develop insight through logical processes and calculations. The course emphasizes understanding of properties, mathematical relationships and proof. It will also stress skills in visualizing, following algorithms, and drawing. Topics to be studied include points and lines, definitions and if-then statements, angles and lines, transformations, polygons, congruence, measurement formulas, 3-dimensional figures, surface areas and volume, coordinate geometry, logic and indirect reasoning, basic trigonometry, and the laws of sines and cosines.

Name of Course: **PRE-CALCULUS /CALCULUS**

Amount of Credit: $\frac{1}{2}$ (each semester)

Available to Grades: 11-12

Required for Graduation: Elective

Prerequisites: Geometry and Advanced Algebra

Description: This course sequence will cover advanced linear, quadratic, polynomial, and exponential equations and functions and an introduction to differential calculus. These topics include absolute value, piecewise, inverse, power, radical, logarithmic, and rational functions in the first semester and limits, continuity, differentiability, basic differentiation; chain, quotient and product rules; maxima and minima, inflection, trigonometric functions and their derivatives, and L'Hospital's rule in the second semester. Antidifferentiation will be introduced if time allows. This sequence is intended for the advanced mathematics student who is planning to pursue higher level mathematics at the college level or beyond or has a strong interest in mathematics. This course will prepare the student to tackle complicated concepts from an analytical standpoint and develop higher order mathematical reasoning and problem-solving abilities. Precalculus students are not required to take the calculus half of the course; Precalculus is a prerequisite for Calculus students.

Course: **CONSUMER MATH**

Amount of Credit: ½ (each semester)

Available to Grades: 11-12

Required for Graduation: Elective

Prerequisite(s): Geometry and Advanced Algebra

Description: Consumer Math is designed to provide students with a comprehensive study of the mathematics used in consumer decision-making for the present time and in the future. Calculator usage will be taught to enable the student to perform advanced calculations and enhance problem-solving skills. Topics taught include banking skills, purchases, insurance, investments and taxes. Students who successfully complete the Consumer Mathematics course will be able to solve practical and functional math problems as related to everyday situations. This course can not be repeated for credit.

Course: **COMPUTER PROGRAMMING**

Amount of Credit: ½ credit (Spring)

Available to Grades: 10-12

Required for Graduation: Elective Mathematics and/or Science

Prerequisites: Algebra 2 and Geometry (Concurrent enrollment in Geometry allowed for Sophomores; must pass semester 1 with C or better to remain enrolled)

Description: Computer Science Principles is a course that provides an in-depth study of computers, their internal functions, and how to use them to accomplish tasks that are taken for granted daily. This course will require the student to have a strong problem-solving aptitude and will develop skills and knowledge related to the Internet, Data Management and Programming to include a study of: representing and transmitting information, invention of the internet, encoding and compressing complex information, manipulating and visualizing data, programming languages and algorithms, the implications of big data, event-driven programming and programming with data and structure. This course will encourage the use of engineering and mathematical processes generally not encountered in other offered courses. Students taking this course should be prepared to work with unfamiliar number systems such as binary and hexadecimal. Reference material for this course can be found at www.bitsbook.com, and students are encouraged to review this material prior to the start of the course. This course cannot be repeated for credit.

MUSIC

Name of Course: **INSTRUMENTAL MUSIC (BAND)**

Amount of Credit: ½ credit per semester (Offered the Full Year)

Available to Grades: 7-12

Required for Graduation: No

Prerequisite(s): Entrance level performance and consent of director.

Description: Music of many different styles is performed with an emphasis on tone, intonation, rhythm, technique, range, sight-reading and vocabulary. Some school owned instruments are available for rent. Band is a year-long course. Attendance at concerts, lessons, and graduation is required

Name of Course: **VOCAL MUSIC**

Amount of Credit: ½ credit per semester (Offered the Full Year)

Available to Grades: 7-12

Required for Graduation: No

Prerequisite(s): Entrance level performance and/or lessons

Description: Students will learn to expressively read musical pitches and rhythms through the performance of many different styles of musical literature. Students will be given the opportunity to practice performance techniques and perform them in concerts throughout the year. In doing so, students will learn to appreciate differences in style, interpretation, and presentation of various pieces of familiar and unfamiliar music by exposure, rehearsal techniques, and performance. Attendance at concerts, lessons, and graduation is required.

Name of Course: **MUSIC THEORY**

Amount of Credit: ½ credit per semester

Available to grades: 10-12

Required for Graduation: No

Prerequisite(s): none

Description: Courses provide students with an understanding of the fundamentals of music and typically include one or more of the following topics: composition, arrangement, analysis, aural development, and sight reading.

PHYSICAL EDUCATION

Course: **PHYSICAL EDUCATION 9**

Amount of Credit: 1/2 credit

Course Duration: Semester

Required: Yes

Description: Physical Education 9 will foster vigorous physical activity with the emphasis on improvement of physical fitness. The students will complete a fitness assessment. The class will provide opportunities for good sporting conduct. Finally, the students will develop specific activity skills through lead-up games and mini games that lead to successful participation in individual, dual, and team activities.

Course: **PHYSICAL EDUCATION 10-12**

Amount of Credit: 1/2 credit

Course Duration: Semester

Required: Yes

Description: Physical Education 10-12 will foster vigorous physical activity with the emphasis on improvement of physical fitness. The students will complete a fitness assessment. The class will provide opportunities for good sporting conduct. Finally, the students will develop specific activity skills that lead to successful participation in individual, dual, and team activities.

Name of Course: **LIFETIME SPORTS**

Amount of Credit: ½

Available to Grades: 11-12

Required for Graduation: No

Prerequisite(s): None

Description: This class will take an in depth look at lifetime activities that will benefit individuals today and in their future. This class will involve more detailed information on the sport or activity. Rules will be explained and monitored closely. The sports involved could be, but limited to: floor hockey, basketball, volleyball, badminton, bowling, weight training, dance, jogging, golf, softball and soccer.

Name of Course: **LIFTING AND CONDITIONING**

Amount of Credit: ½

Available to Grades: 11-12

Required for Graduation: No

Prerequisite(s): None

Description: This class will take an in depth look at several lifting and conditioning activities that will benefit individuals today and in their future. This class will start with a teacher-designed workout, but will progress towards student-designed workouts.

Name of Course: **OUTDOOR EDUCATION**

Amount of Credit: ½

Available to Grades: 10-12

Required for Graduation: No

Prerequisite(s): None

Description: This class will take an in depth look at activities that benefit the individuals today and in their future. This class will take a closer look at activities that involve the outdoors. The class will go outside everyday! Activities included in the class, but not limited to: Cross-Country Skiing, Downhill Skiing, Snowshoeing, Broomball, Skating, Ice Hockey, Snow caving, Canoeing, Fishing, Geocaching, etc.

SCIENCE

Name of Course: **PHYSICS 9 (INTRO TO PHYSICS AND CHEMISTRY)**

Amount of Credit: 1

Available to Grades: 9 +

Required for Graduation: Yes

Prerequisite(s): Completed Algebra 1 (or taking at the same time)

Description: Have you ever seen something that made you wonder, “How’d they do that?” This class will give you the answers for many different aspects of the world around us. We’ll use physics - a study of matter and energy – to study motion, forces, energy, sound, electricity, atoms, chemical bonding, chemical reactions, and our environment. In our studies, we’ll use your life experiences combined with class activities to better understand the world around you – you might even learn a few “tricks.”

Name of Course: **BIOLOGY**

Amount of Credit: 1 (2 semesters)

Available to Grades: 10

Required for Graduation: Yes

Prerequisite(s): No

Description: This course is aligned to the Minnesota Life Science Standards grades 9-12. It lays the foundations for higher-level Life Science courses. Topics include: What is Science, What is Life, Ecology, Macromolecules, Cells, Intracellular Movement, Photosynthesis vs. Respirations, Asexual vs. Sexual Reproduction, Heredity, DNA, Evolution, Bacteria/ Viruses, Plants, and Animals.

Name of Course: **ADVANCED BIOLOGY**

Amount of Credit: 1/2

Available to Grades: 11-12

Required for Graduation: No

Prerequisite(s): Biology

Description: Advanced Biology will explore in more depth the subjects touched on in Biology. Topics will include Forensics, Genetics, Microbiology, & Ecology. This class will be geared more to projects and hands on experiences.

Name of Course: **BOTANY AND ZOOLOGY**

Amount of Credit: 1/2

Available to Grades: 11-12

Required for Graduation: No

Prerequisite(s): Biology

Description: The Zoology portion of this class will be focused on the Animal Kingdom and the major Phyla within it. Then we will switch gears in the Botany portion of this class and study the Plant Kingdom and the major phyla within it. Dissections and hands on activities will be a common practice in this course.

Name of Course: **ANATOMY AND PHYSIOLOGY I**

Amount of Credit: 1/2

Available to Grades: 11-12

Required for Graduation: No, Bridges Academy Class- **(HS)**

Prerequisite(s): Biology

Description: Anatomy and Physiology classes study the structure and mechanisms that drive the Skeletal System, Muscular System, Respiratory System, & the Digestive System. This is an especially useful class for anyone thinking of going into the medical profession. Dissections will be a common practice in this course. They are designed to prepare one for college-level Anatomy and Physiology courses. Topics covered in Anatomy and Physiology I will include Introduction to body plans, tissues, the Integumentary System, Skeletal System, Muscular System, Respiratory System, & the Digestive System. This is an especially useful class for anyone thinking of going into the medical profession.

Name of Course: **ANATOMY AND PHYSIOLOGY II**

Amount of Credit: 1/2

Available to Grades: 11-12

Required for Graduation: No Bridges Academy Class- (HS)

Prerequisite(s): Biology, Anatomy and Physiology I

Description: Anatomy and Physiology classes study the structure and mechanisms that drive the human body. They are designed to prepare one for college-level Anatomy and Physiology courses. Topics covered in Anatomy and Physiology 2 will include the Circulatory System, Urinary System, Reproductive System, Nervous System, Endocrine System, and the Lymphatic System. This is an especially useful class for anyone thinking of going into the medical profession. Dissections will be a common practice in this course.

Name of Course: **CHEMISTRY**

Amount of Credit: ½

Available to Grades: 10-12

Required for Graduation: Yes (unless physics/meteorology and physics/astronomy taken instead), Bridges Academy Class- (HS)

Prerequisite(s): Algebra 9, Physics 9

Description: How do smartphones work? How do we cram so much stuff into such a little space? In this course, we'll learn how to manipulate substances chemically and physically. We'll explore how this knowledge provides us with everything from microwave popcorn to cars to computers. Topics will include chemical and physical properties of matter, chemical reactions and their uses, states of matter, and technology.

Name of Course: **ADVANCED CHEMISTRY ***

Amount of Credit: ½

Available to Grades: 10-12

Required for Graduation: Yes (unless physics/meteorology and physics/astronomy taken instead), Bridges Academy Class- (HS)

Prerequisite(s): Algebra 9, Physics 9

Description: Are we destroying our planet? There are many concerns about how humans are affecting our environment. In this course, we'll study the world around us with special focus on how people are using the Earth's resources, and what improvements can be made. We'll learn the physics and chemistry of our surroundings in order to understand the pros and cons of decisions that affect people and our environment. Topics will include gases, acids and bases, electrochemistry, redox reactions, and life chemistry.

Name of Course: **PHYSICS AND METEOROLOGY**

Amount of Credit: ½

Available to Grades: 10-12

Required for Graduation: Yes (unless chemistry and advanced chemistry taken instead)

Prerequisite(s): Algebra 9, Physics 9

Description: "Is it going to snow tomorrow?" Answer this question yourself, plus many other questions about the world around you. Explore how physics explains the world around us, with special focus on the Earth's atmosphere and weather. We'll study the measurements important for the weather and everyday life. We'll discover how meteorologists use numeric and computer models to forecast weather; then apply concepts learned to make local weather forecasts. Learn about heat, light, electricity, and magnetism as a part of the weather and our daily lives.

Name of Course: **PHYSICS AND ASTRONOMY**

Amount of Credit: ½

Available to Grades: 10-12

Required for Graduation: Yes (unless chemistry and advanced chemistry taken instead)

Prerequisite(s): Algebra 9, Physics 9

Description: Take a field trip to the Moon. Okay, it will be an imaginary trip, but that could change in your lifetime! We'll learn about the motion, properties and interactions of objects in our universe, and learn about what needs to happen to make Moon vacations a reality (maybe Mars vacations too). We'll study the Earth, other planets, Sun, Moon, stars,

constellations, and the rest of the universe. This course allows students to discover the amazing diversity of other worlds, which helps us understand our own planet. We will also focus on physics topics such as motion in 2 dimensions, forces, relativity, optics, and nuclear physics.

Name of Course: **INTRO TO ENGINEERING**

Amount of Credit: ½

Available to Grades: 10-12

Required for Graduation: No (but counts as science elective)

Prerequisite(s): Algebra 9, Physics 9

Description: Engineering is the branch of science and technology concerned with the design, building, and use of machines, structures, and systems. In this course, students will learn about design process, research and analysis, teamwork, communication, impacts of technology, engineering standards, and technical documents. They will develop skills to make science and math useful through activities, projects, and problem-solving.

Course: **COMPUTER SCIENCE PRINCIPLES**

Amount of Credit: ½ credit (Spring)

Available to Grades: 10-12

Required for Graduation: Elective Mathematics and/or Science

Prerequisites: Algebra 2 and Geometry (Concurrent enrollment in Geometry allowed for Sophomores; must pass semester 1 with C or better to remain enrolled)

Description: Computer Science Principles is a course that provides an in-depth study of computers, their internal functions, and how to use them to accomplish tasks that are taken for granted daily. This course will require the student to have a strong problem-solving aptitude and will develop skills and knowledge related to the Internet, Data Management and Programming to include a study of: representing and transmitting information, invention of the internet, encoding and compressing complex information, manipulating and visualizing data, programming languages and algorithms, the implications of big data, event-driven programming and programming with data and structure. This course will encourage the use of engineering and mathematical processes generally not encountered in other offered courses. Students taking this course should be prepared to work with unfamiliar number systems such as binary and hexadecimal. Reference material for this course can be found at www.bitsbook.com, and students are encouraged to review this material prior to the start of the course. This course cannot be repeated for credit.

SOCIAL STUDIES

Name of Course: **WORLD HISTORY I**

Amount of Credit: ½ Credit – One Semester

Available to Grades: 9

Required for Graduation: Yes

Prerequisite(s): None

Description: This course involves the exploration of the historical development of people, places and patterns of life from ancient times until about 1500 A.D. Students will examine the geography, economy, government, social structure, religion, technology and history of selected civilizations. There will be a concentration on history from the dawn of civilization to Medieval Europe and the Dawn of the Renaissance (1500 A.D.).

Name of Course: **WORLD HISTORY II**

Amount of Credit: ½ Credit – One Semester

Available to Grades: 9

Required for Graduation: Yes

Prerequisite(s): World History I

Description: This course will cover history from the Dawn of the Renaissance (1500 A.D.) to the present day. Cultural emphasis is placed upon literature, art, religion, philosophy, and social systems. Historical emphasis is placed upon such areas as comparative political, economic systems, and geographical areas. Contemporary emphasis is placed upon current crises, international relations and the increasing interdependence of nations.

Name of Course: **POLITICAL SCIENCE**

Amount of Credit: ½ Credit – One Semester

Available to Grades: 10-12

Required for Graduation: Yes, Bridges Academy Class- (CR)

Description: Civics is the study of what it is to be an American citizen. Since our participation in government is essential to its effective operation, we have a responsibility as citizens to be knowledgeable of its functions. The subject matter of Civics ranges from studying the operation of local, state, and federal government to how we as citizens impact the world around us by our action or inaction. Students will develop their abilities to apply principles from a variety of social studies disciplines to such issues as the protection of privacy in the age of computers, electronic surveillance, freedom of speech and medical technology with all of its implications for longevity, quality of life and religious beliefs. With this knowledge students can participate effectively and creatively in their political system.

Name of Course: **AMERICAN HISTORY I**

Amount of Credit: ½ Credit – One Semester

Available to Grades: 10-12

Required for Graduation: Yes

Prerequisite(s): None

Description: This class is a study of American History through the historical and geographical themes with an emphasis on the time periods from before European discovery through the American Civil War. Cultural emphasis is placed upon literature, art, religion, philosophy, and social systems. Historical emphasis is placed upon such areas as comparative political, economic systems, and geographical areas.

Name of Course: **AMERICAN HISTORY II**

Amount of Credit: ½ Credit – One Semester

Available to Grades: 10-12

Required for Graduation: Yes

Prerequisite(s): American History I

Description: This class is a study of American History through the historical and geographical themes with an emphasis on the time periods from the American Civil War to the present day. Cultural emphasis is placed upon literature, art, religion, philosophy, and social systems. Historical emphasis is placed upon such areas as comparative political, economic systems, and geographical areas.

Name of Course: **TOPICS IN MILITARY HISTORY**

Amount of Credit: ½ Credit- One Semester

Available to Grades: 11-12

Required for Graduation: No

Prerequisite(s): American History I or American History II

Description: This class will study the past and how the history of the United State has influenced our society and the world. Throughout this course you will study the people, ideas, issues and events that helped create our diverse ever changing American culture. The student will discover that history is not static, but requires careful interpretation of many sources. Our perception of the past shapes our perception of the present. This will also include a scope and focus on Military History and how changes in technology have influenced the evolution of military methods, tactics, and strategic thinking--this includes examining the lives of key people and philosophies that are associated with military theory and history. The course will focus secondarily on the impact that the military has had on society by examining the impact on politics, economies, social life, and history. Military History also will focus on and study specific military terminology, principles of war, art and propaganda, specific studies of conflicts and military engagements including the American Revolution to the Wars of Iraq and Afghanistan. Military History will finally discuss and study specific theories and strategies that relate to the causes of war and conflict as well as peacemaking and diplomacy.

Name of Course: **PSYCHOLOGY ***

Amount of Credit: ½ Credit - One Semester

Available to Grades: 10-12

Required for Graduation: Elective-Bridges Academy Class- (CD)

Prerequisite(s): None

Description: This course will present a general introduction to psychology and fulfill the psychology component required for the Child Development Bridges Academy requirement . Specific topics will include: learning and cognitive processes, memory and thought, workings of mind and body, sensation and perception, motivation and emotion, altered states of consciousness, developmental processes and personality theory. After completing this course the student will gain insight and practical information useful in everyday life.

Name of Course: **HUMAN GEOGRAPHY**

Amount of Credit: ½ Credit - One Semester

Available to Grades: 11-12

Required for Graduation: Yes, Bridges Academy Class- (CR)

Prerequisites: Geography (8)

Description: Students taking this course will study the physical and human aspects of our world. Our studies will use the five themes of geography as well as hands on application of GPS and GIS technology to analyze relationships between people and the land. After completing this course the student will understand the role geography plays in the decision making processes for policy makers around the world.

Name of Course: **CONSTITUTIONAL LAW**

Amount of Credit: ½ Credit - One Semester

Available to Grades: 11-12

Required for Graduation: Elective, Bridges Academy Class- (CR)

Prerequisites: None

Description: This course will examine legal ideas, legal reasoning and the legal process defined as Constitutional Law. This course will study the fundamental basis of the American legal system namely the United States Constitution. We will study the tenets of American Constitutional Law as well as the historical and current debates about the scope and meaning of the Constitution in relation to the Supreme Court's role in the governing of the United States. Supreme Court decisions will be analyzed with consideration for the historic context, past interpretation, and court's overall consistency in following prior precedent. Students will be able to look at current Supreme Court cases from an analytical standpoint and formulate reasoned hypotheses on how the court will rule in current cases while considering its ideological makeup.

Name of Course: **SOCIOLOGY**

Amount of Credit: ½ Credit - One Semester

Available to Grades: 11-12

Required for Graduation: Elective, Bridges Academy Class- (CR)

Prerequisites: None

Description: This course examines how individuals, groups, and institutions interact to make up human societies and culture. You will learn about sociological perspectives, culture, social structures, and social inequality. You will study people and the roles they play in society, both as individuals and groups. Study also includes examining social institutions, elements of social change and, social movements. Topics of interest include: the family, education, political and economic institutions.

Name of Course: **ANTHROPOLOGY**

Amount of Credit: ½ Credit - One Semester

Available to Grades: 11-12

Required for Graduation: Social Studies Elective

Prerequisites: None

Description: This course is a survey of the branches of anthropology. Cultural, Biological, and Linguistic Anthropology along with Archeology will be covered. A special emphasis will be placed on Cultural Anthropology. The course will be concerned with the study of human societies and cultures and their development as well as the understanding of the concept of culture and its impact on society. Content will include the study of other cultures, their technologies, gender roles, marriage and kinship, race and ethnicity, sexuality and gender, social control, religious belief and ritual, and how cultures change. Involves readings, videos, assignments and activities.

Name of Course: **NATIVE AMERICAN HISTORY OF MINNESOTA**

Amount of Credit: ½ Credit - One Semester

Available to Grades: 11-12

Required for Graduation: Social Studies Elective

Prerequisites: None

Description: This course explores past and contemporary history of the Ojibwe (Anishinaabe) and Dakota People of Minnesota. Special emphasis will be on familiarizing students with the history of indigenous people of the region. The course will explore the cultural, social, and economic contributions of Native Americans in contemporary society. The impact of treaty rights, Indian gaming, the use of Indian logos, and other contemporary issues will be discussed. This course will utilize two texts, primary sources, videos, discussions and activities.

Name of Course: **CLC PSYCHOLOGY**

Amount of Credit: 4 college credits

Available to Grades: 11-12

Required for Graduation: No, Bridges Academy Class- (CR)

Prerequisite(s): CLC entrance requirements

Description: This course focuses on healthy person development. Students will use the principles of psychology to understand their own life experiences. Students will examine a variety of models and theories linking psychology to their everyday lives. The course stresses application and is designed for people with little or no background in psychology. Can be taken through Infinity

Name of Course: **HISTORY OF FILM**

Amount of Credit: ½ credit per semester

Available to Grades: 10-12

Required for Graduation: No

Prerequisite: none

Description: Film Studies is the study of the production, aesthetics and history of the 20th century's most important visual medium—the cinema. As a storytelling device, as historical document, as expression of imagination, as artistic object, there is no form more capable of capturing our interest and provoking the senses. The cinema can create worlds of magic, fantasy and romance just as easily as it can expose the dim reality of actually lived life. Students during the progression of this course will study the major industrial, technological,

aesthetic, and cultural developments in motion picture history. Topics will include the invention of motion pictures, the establishment of a film industry and audience, the narrativization of film, developments in the use of cinematic technique, the history of theatrical film exhibition, the establishment of national cinemas, the idea of film as art, changing notions of cinematic realism and its alternatives, and technological innovation.

Name of Course: **CLC HUMAN DEVELOPMENT**

Amount of Credit: 4 college credits - One Semester

Available to Grades: 11-12

Required for Graduation: Elective

Prerequisites: None

Description: This course is a lifespan approach to understanding human behavior. This course will cover theories and research findings in the field of psychology relevant to the psychological development of individuals across the lifespan. Areas to be covered include physical, cognitive, emotional and social development. The course will examine similarities and differences between individuals in the various stages of the lifespan.

SCHOOL TO WORK

Name of Course: **JOB SKILLS / WORK EXPERIENCE ***

Amount of Credit: ½

Available to Grades 12

Required for Graduation: Elective-Bridges Academy Class- **(CE)**, Bridges Academy Class- **(CD)**, Bridges Academy Class- **(HC)**

Prerequisite(s): None

Description: This course will allow students to learn about the world of work by being involved as a working or observing student in a realistic work or job environment. A maximum of two hours of early dismissal shall be allowed for work release. Job must meet child labor law guidelines, and be approved by school administrator and work coordinator. Student must be able to document an average of 15 hours of work per week and be able to verify wages, deductions, etc. Attendance in class is required and graded. This cooperative school and work-based program must include a job skills classroom component. This course will cover specific job skills such as Personal and Career Development, Understanding the Employment Process. Evaluating your Progress on the Job, Developing Communication, Interpersonal and Money Management skills along with your future in the workplace.

WORLD LANGUAGE

Name of Course: **SPANISH I**

Amount of Credit: 1 (Full Year ITV) (12 students per section)

Available to Grades: 10-12 with preference given in the following order: seniors, juniors, sophomores

Required for Graduation: No

Prerequisite(s): None

Description: Spanish I involves an in-depth immersion in skills required to communicate in Spanish. Major objectives of the course include the addition of verb tenses and an emphasis on oral communication. The course also teaches an awareness of the Spanish culture and its traditions.

Name of Course: **INFINITY SPANISH I OR ITV SPANISH**

Amount of Credit: 1 (Full Year Online)

Available to Grades: Infinity 9-12 / ITV Spanish 10-12

Required for Graduation: Elective

Prerequisite(s): None

Description: Spanish I is a beginner level course introducing the essential elements of structure, vocabulary, and introductory through themes such as greetings, introductions, good-byes, the alphabet, calendar, numbers, weather, time colors, familiar objects and places, family, food, pastimes, and school. This course is designed to meet the standards of the American Council on the Teaching of Foreign Languages. These standards call for a method of teaching that focuses on successful communication through speaking, writing, reading and listening, as well as a thorough grounding in aspects of culture. Each unit embodies all of these standards in accordance with the theories described in this document. Unit activities blend different forms of communication and culture to ensure that the student meets all standards. Course strategies include warm-up activities, vocabulary study, reading, threaded discussions, multi-media presentations, self-checks, practice activities and games, oral and written assignments, projects, quizzes, and exams.

Name of Course: **ITV SPANISH II**

Amount of Credit: 1 (Full Year ITV) (12 students per section)

Available to Grades: 11-12

Required for Graduation: Elective

Prerequisite(s): Spanish I

Description: This class continues the work begun in Spanish I.

Name of Course: **INFINITY SPANISH II**

Amount of Credit: 1 (Full Year Online)

Available to Grades: 10-12

Required for Graduation: Elective

Prerequisite(s): Spanish I

Description: Spanish II is a continuation of Spanish I; students will develop language skills for communication, review grammar with increasing emphasis on reading and writing in a cultural context. Themes include animals, entertainment, body parts, personality and physical traits, housing, shopping, clothing, meals, sports, and transportation.

Name of Course: **INFINITY SPANISH III**

Amount of Credit: 1 (Full Year Online)

Available to Grades: 11-12

Required for Graduation: Elective

Prerequisite(s): Spanish I and II

Description: Spanish III is a continuation of Spanish II; students will continue to increase their vocabulary and understanding of complex grammatical structures. Themes include directions, chores, feelings, plans and travel, geography, health, household items, measurements, and occupations.

Name of Course: **ITV AMERICAN SIGN LANGUAGE I**

Amount of Credit: 2 (Offered through Pine Tech) (10 students per section)

Available to Grades: 11-12

Required for Graduation: Elective

Prerequisite(s): None

Description: This course is an introduction to American Sign Language (ASL), a visual/gestural language used by deaf and/or hard of hearing people in the United States and parts of Canada. Communicative functions, vocabulary, grammar, and cultural aspects of the deaf community are included.

Name of Course: **ITV AMERICAN SIGN LANGUAGE II**

Amount of Credit: 2 (Offered through Pine Tech) (10 students per section)

Available to Grades: 11-12

Required for Graduation: Elective

Prerequisite(s): ASL I

Description: This course is a second level course in American Sign Language as it is used within the American Deaf community, as well as a continuation of discussion of Deaf Culture and history. The class will emphasize non-verbal communication as students continue to build their sign vocabulary, sentence-structure, facial expression, and other grammatical markers. Students will continue to strengthen their expressive and receptive skills in American Sign Language as they engage in conversations that will be reinforced by a variety of activities.

Name of Course: **INFINITY AND ITV FRENCH I**

Amount of Credit: 1 (Full Year Online)

Available to Grades: Inf/9-12, ITV/10-12

Required for Graduation: Elective

Prerequisite(s): None

Description: French I is a beginner level course introducing the essential elements of structure, vocabulary, and introductory through themes such as greetings, introductions, good-byes, the alphabet, calendar, numbers, weather, time colors, familiar objects and places, family, food, pastimes, and school. This course is designed to meet the standards of the American Council on the Teaching of Foreign Languages. These standards call for a method of teaching that focuses on successful communication through speaking, writing, reading, and listening, as well as a thorough grounding in aspects of culture. Each unit embodies all of these standards in accordance with the theories described in this document. Unit activities blend different forms of communication and culture to ensure that the student meets all standards. Course strategies include warm-up activities, vocabulary study, reading, threaded discussions, multi-media presentations, self-checks, practice activities and games, oral and written assignments, projects, quizzes, and exams.

Name of Course: **INFINITY FRENCH II**

Amount of Credit: 1 (Full Year Online)

Available to Grades: 10-12

Required for Graduation: Elective

Prerequisite(s): French I

Description: French II continuation of French I; develops language skills for communication. Review of grammar with increasing emphasis on reading and writing in a cultural context. Themes include daily routines, animals, the body, descriptions, the house, shopping, free time activities and transportation.

Name of Course: **INFINITY FRENCH III**

Amount of Credit: 1 (Full Year Online)

Available to Grades: 10-12

Required for Graduation: Elective

Prerequisite(s): French I and II

Description: French III continuation of French II; students will continue to increase their vocabulary, past, present, future, and conditional-tense verbs, articles, adjectives and increasingly complex grammatical structures, with continued emphasis on reading and writing in a cultural/real-world context.

Name of Course: **ITV GERMAN**

Amount of Credit: 1 full year high school credit

Available to Grades: 10-12

Required for Graduation: Elective

Prerequisite(s): Student who can work independently and has shown to be responsible and trustworthy.

Description: This course introduces the beginning student to the language and culture of the German-speaking countries. Emphasis is placed on using German in everyday situations. Students will learn to use their new language in such situations as meeting new people, going to school, telling time, ordering in a restaurant, traveling by train, going to the movies, and participating in sports. Much of the language is acquired by classroom drill and practice but learning also takes place through the use of games, songs, and other projects. In addition, students will learn about the culture and customs of Germany, Austria, and Switzerland. Because a foreign language requires memorization and daily study, students should be prepared to spend 10-15 minutes each day studying outside of the class. The basic text used is Genial.