2024-25 NEW YORK MILLS HIGH SCHOOL COURSE CATALOG

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AGRICULTURE	
Advanced Welding	Prerequisite: Introduction to Welding All students interested in MIG and TIG welding, plasma cutting, metal bending and project making should sign up for this class. The use of measurement tools and equipment will be emphasized, as will safety. You will design and write up detailed instructions for a metal project (technical writing). All students will do a metal project of their own choice that contains elements of welding, cutting sheet metal work or machining. Students taking this class should be interested in doing metal projects that contain elements of welding, and/or sheet metal working. Failure to do a project will result in failure of the course. Individual project design will constitute a large portion of class time.
Animal Science	This course deals with the study of modern day practices used by livestock producers in managing their dairy, beef, sheep, hog, poultry and horse enterprises. Expect to understand cell theory, heredity, biological change, interdependence and behavior of animals and other organisms, and current concepts in animal science such as cloning, genetic engineering, nutrition etc. In addition, we will learn about genetics and reproduction, disease prevention and control, and analysis of management techniques used in the industry. Daily learning will include scientific experiments, use of the microscope in investigation, and dissection. Investigation through individual experiments along with collection and analysis of data and drawing of conclusions will also be done.
Greenhouse Management/Industry	Landscaping is a Horticulture class that emphasizes production of horticulture, landscape design, landscaping processes, gardens, retaining walls, pavers, plant selection, plant identification, plant experiments, greenhouse work, and other aspects of the horticulture industry. It is an elective class and students must have passed Introduction to Horticulture or have instructor's approval. This class involves a lot of hands-on learning along with outdoor work. Students that have allergies to dust, pollen and spring seasons should talk to the instructor prior to taking the class. This is a production class, be prepared to get your hands DIRTY.

Introduction to Welding	Course Title: Introduction to Welding - 8 Grade Level: 9-12 Length of Course: Semester This course is a prerequisite for the advanced welding course. Various aspects of metal working will be explored. Major emphasis will be placed on welding and sheet metal. You will learn how to use oxy acetylene welding, oxyacetylene cutting, arc welding, MIG (wire-feed) welding, various sheet metal equipment, and other power and hand tools associated with metal working. Safety will be emphasized greatly in this class as you complete a mandatory project from a selection list. During the course some technical reading will be done, and this will help prepare you for the technical reading standard found in advanced welding.
Machine Tool Technology	Course Title: Machine Tool Technology - 9 Grade Level: 10-12 – Semester Course This course will involve the theory and operation of precision machine tool equipment. Lathe and vertical milling of aluminum and other metals. Careers and precision measurements will also be covered. Students considering entering the machine tools program at either CLC or Alex Tech will be given preference.
Small Engines	Course Title: Small Engines - 12 Grade Level: 10-12 Length of Course: Semester Tasks include disassembly and reassembly of a small engine, reading repair and technical manuals, and demonstration of ability to use specialized vocabulary and specialized resources. Daily lessons will center on working with small engines, the theory of operation and use of specialized tools, analysis of problems and preventive maintenance, selection, use, and operation of precision measuring equipment.
Agricultural Manufacturing	Course Title: Agricultural Manufacturing Grade Level: 10-12 Length of Course: Semester Students will learn how to use the design edge software to create beautiful signs and home decor. Students will learn welding techniques in mild steel,stainless steel, and plasma cutting. Learn the parts of welding equipment set-up, maintenance, and safety procedures.
Wild Life Management	Course Title: Wildlife Management - 13 Grade Level: 10-12 Length of Course: Semester Wildlife and human interactions and conflicts are the issue of concern in Wildlife Management I. We will study how wildlife enhances, improves, and damages human lifestyles. Several hypothetical situations will provide the basis for learning through discussion and role playing. We will be working with the concept of hunting, hunting ethics, hunting morals, and create fishing poles. In addition, daily lessons will center on identification of birds, fish, mammals, and reptiles / amphibians as well as the interrelationships between wildlife and habitats. You will develop a habitat improvement plan as part of this course, as well as presentations on wildlife activities. Students who complete this class and pass the final test will be certified in advanced hunter's education.

Technology & Agriculture	Course Title: Technology & Agriculture Grade Level: 8 Students will be given the opportunity to study and explore new technologies in agriculture. This course will encompass a broad range of agriculture interests including general livestock and the dairy industry. Basic shop skills in safety and welding will be taught to the students and they will be able to create projects in the shop area. The benefits and opportunities of being involved in the FFA program will be emphasized during class time.

ART	
Digital Art & Photography	Course Title: Digital Art (Photography) - 41 Grade Level: 10-12 Length of course: Semester Class Limit: 20 Digital Photography will be our main emphasis in this course. It is designed to provide theory and practice in the use of digital cameras and how to edit using Photoshop. It will also involve field trips and guest speakers that explore various aspects of the photography industry and Digital Art careers.
Exploring Art	Course Title: Exploring Art - 42 Grade level: 9-12 Length of course: Semester Class Limit: 20 In this course the student will draw different subjects such as still-life, landscape and portraits using a variety of media. You will have the opportunity to explore other areas in art, such as clay and sculpture. Even though the student is encouraged to develop his/her own style, different artists' techniques will be studied. You will be expected to produce visual images and critique art using the elements of art and principles of design. You will also keep a weekly sketch book.
Animate	Course Title: Animate - 43 Grade level: 11-12 Length of Course: Semester Limit of 15 In this course, students will bring characters to life using Adobe Character and Animate. Learn to animate with creativity, exploring the principles of animation, while developing a strong foundation in character movement, facial expressions, and scene dynamics.
Graphics	Course Title: Graphics - 44 Grade level: 10-12 Length of Course: Semester Class Limit: 20 Graphics will give students the opportunity to learn various lettering styles, lay-out methods of advertisements and logo design. Some of the graphic areas they will be exploring will be illustration, advertisement, designing clipart and more. The software that will be used in class will be Illustrator and Photoshop. The class will also use hypothetical situations where the student designs the product and the logo. When graphics is over, you will be able to use different lettering styles to design posters, logos and other projects, design a new product with its logo, illustrate a book, develop an advertisement for a business and create projects using various media. You will also keep a weekly digital sketchbook.
Mixed Media Arts	Course title: Mixed Media Art - 45 Grade level: 10-12 Length of course: Semester Class Limit: 20 In mixed media, you will have an opportunity to explore using 2 or more media at a time. You will expand your knowledge of watercolors, chalk, colored pencils and more. You will experiment with different types of media to create original works of art in both two and three-dimensional media. A weekly sketch book will become a record of your thoughts and ideas.

Painting	Course Title: Painting - 46 Grade level: 10-12 Length of course: Semester Class Limit: 15 Students will further their ability and understanding of 2-D art. Students will develop a strong sense of design through decision-making and problem-solving projects. We will be developing painting skills and techniques using Acrylic and Watercolor paints as well as Color Theory. Students will explore the style of many artists throughout history, while developing their own paintings. The subjects considered and studied are, landscapes, still-life, the figure and abstraction. There is a material fee of $30.00
Sculpture / Pottery	Course Title: Sculpture/Pottery - 47 Grade Level: 10-12 Length of course: Semester Class Limit: 20 In sculpture, the student will work in the subtractive, substitution, and manipulation methods. Some of the media that you will work with are plaster, clay, and paper mache. During Pottery, you will be exploring several types of clay techniques, such as Coil, Pinch, Slab, etc. Finally, you will be creating several original pieces of pottery to show your knowledge in this area. Critiques will be done to evaluate your artwork as well as others.
Video Arts	Course title: Video Arts - 48 Grade level: 11-12 Length of course: Semester Prerequisite: English 10 and teacher approval required Video arts will give students a general understanding of the basic principles of working in a TV studio. Students will learn about the history of Television and Film. They will be learning the basics of filming, editing and creative applications of computer editing. They will also express themselves through different types of media art forms; Photoshop, Movie maker and Adobe Premiere. They will be critiquing television shows, commercials, etc.
3D Technology & Design	Course Title: Grade Level: 10-12 Length of course: Semester Class Limit: 15 Ever wonder how to develop your ideas? Tinkercad, Sculpt GL, and this course will help you to quickly develop quality projects. In this course you will learn how to sculpt your idea, then move to parts and assembly modeling, and, as a final step, create drawings, and renderings and prepare for manufacturing on a 3D printer.

BUSINESS/TECHNOLOGY	
Accounting 1: Foundations	This ACCOUNTING I course will provide background information and hands-on experience in planning, recording, analyzing, and interpreting financial information. Students will complete Chapters 1-15 in the computerized Comprehensive Accounting textbook. An accounting system will be used to plan, provide and organize all accounting records along with computerized accounting using QuickBooks software and Excel software.
Accounting 2: Partnerships & Corporations	In this ACCOUNTING II course, students will continue with Chapters 16-28 and hands-on experience in planning, recording, analyzing, partnerships, corporations, and interpreting financial information. An accounting system will be used to plan, provide and organize all accounting records. The second level of accounting studies business practices that relate to a merchandising business that is operated as a partnership. To enhance the learning of principles taught during the course, the student will complete an advanced level business simulation practice set which includes: preparation on an expanded journal, general and subsidiary ledgers, analysis and preparation of employee payroll records, preparation of financial reports, recording of adjusting and closing entries, and period ending operations.
Computer Applications I	The course will focus on developing student skills in word processing, spreadsheet, presentation, and database software applications. Students acquire keyboarding skills while learning word processing fundamentals and explore the processes of using technology for research, communication, and information processing. Students will learn fundamental concepts of computer hardware and software and become familiar with a variety of computer applications, including word-processing (Word), spreadsheets (Excel), databases (Access), multimedia presentations (PowerPoint), object-oriented (Projects), design (Publisher), and email communication (Outlook). Microsoft Office Chapters 1-5. Students will create worksheets with formulas and functions and graphical charts. Students will learn to develop presentations with charts, graphics, and special effects, and become familiar with the ethics of copyright, downloading, and file sharing.
Computer Applications II	In Computer Applications II students will continue learning the Microsoft Office Program using the advanced textbook. Students will develop professional documents such as reports, multi-column newsletters, resumes, and business correspondence. Students will create workbook examples including professional-looking budgets, financial statements, team performance charts, sales invoices, and data-entry logs. Students will learn to develop professional-grade sales presentations, employee training, instructional materials, and kiosk slide shows. Students will learn database objects including tables, relationships, data entry forms, multi-level reports, and multi-table queries.
Desktop Publishing	Course Title: Desktop Publishing - 85 Grade Level: 9-12 Length of Course: Semester This course gives students the opportunity to learn many different publishing formats and design using Microsoft Publisher. Documents such as newsletters, brochures, business cards, greeting cards, flyers, web sites, business calendar, business forms, and many more will be developed. Students will use advanced features and design concepts to create a portfolio of a variety of business and personal publications using industry standard software (examples include Adobe InDesign, Microsoft Word or Publisher, or Quark). Students will learn the principles of design and layout for print and digital work as applied in a variety of careers including graphic design, marketing, and administrative support careers.

Sports/ Entertainment Marketing	Course Title: Sports Marketing - 89 Grade Level: 9-12 Length of Course: Semester This course will help students develop a thorough understanding of the marketing concepts and theories that apply to the sports industry and sporting events. The areas this course will cover include basic marketing, target marketing and segmentation, sponsorship, event marketing, promotions, sponsorship proposals, and sports marketing plans. Students will explore research and learn the use of sports to market products and capitalize on the popularity of sports. Students will learn the importance and inter-relatedness of event marketing components that include: endorsements, sponsorship, corporate partnerships, merchandising, and entertainment venues.
Digital Design I	Course Title: Yearbook I- 91 Grade Level: 9-12 Length of Course: Semester This course develops the knowledge and skills involved in the planning and production of the school yearbook. Students gain experience in product design, layout, and production requirements. Students will learn to develop page layouts incorporating graphics, various fonts and word styles, text, clipart, and photographs. Students will develop marketing campaigns for yearbook sales and/or advertisements which may include face-to-face and e-commerce models. Students will learn to develop page layouts incorporating graphics, various fonts and word styles, text, clipart, and photographs.
Digital Design II	Course Title: Yearbook II - 100 Grade Level: 9-12 Length of Course: Semester This course develops the knowledge and skills involved in the planning and production of the school yearbook. Students gain experience in product design, layout, and production requirements. Students will learn to develop page layouts incorporating graphics, various fonts and word styles, text, clipart, and photographs. Students will develop marketing campaigns for yearbook sales and/or advertisements which may include face-to-face and e-commerce models. Students will learn to develop page layouts incorporating graphics, various fonts and word styles, text, clipart, and photographs.
Intro to Programming	Course Title: Software Gaming -74 Grade Level: 9-12 Length of Course: Semester Students with have the option to choose and explore the following programming and engineering systems: 3-D Gaming, Advanced HTML, Web CSS, JavaScript, Perl, Visual Basic, Microsoft C++, Java Applets, XML, DHTML, Database design, research, COBOL, AJAX, MySQL, Oracle, etc. Learn and design projects using your favorite programming language and tools. This course will introduce a student to computer science and programming concepts. The course content will cover both procedure-oriented and object-oriented programming. Structured programs will be written with a computer programming language with an emphasis on procedure-oriented programming.

Web Site Design I	This course introduces students to the design and creation of multiple-page web sites with text, graphics, multimedia elements, and interactivity. This course covers the use of HTML5 (Hypertext Markup Language version 5), CSS3 (Cascading Style Sheets version 3), the optimization of graphics, and the application of multimedia elements to produce efficient interactive Web sites. Units will include Intro to HTML, Web Site Structure, Intro to CSS, Layout and Format with CSS, Hyperlinks, Inserting and Working with Images, and Organizing Content with Lists and Tables.
Finance & Money Management	Personal Finance: Grade 9 Students will develop skills in: budgeting, checking and savings, banking, investing, credit, owning a home, buying and selling, insurance, and risk management. With financial decisions to be made now and in the future this course will help students become familiar with the strategies of choosing the best financial decision. You will learn practical information about everyday living along with learning business aspects.
Work-Based Learning	WORKED-BASED LEARNING Grade 12 only Work experience courses provide students with opportunities to apply the skills and knowledge learned in previous CTE and general education courses within a professional work environment in a field related to their career interests. Students interact with industry professionals to develop postsecondary and career readiness knowledge and skills. Goals are set cooperatively by the student, teacher, and employer and students. Career Pathway: Work-based Learning-Diversified

ENGLISH	
English 9	Course Title: English 9 I, English 9 II - 124 Length of Course: Semester This course will be a combination of reading, writing, and speaking with an emphasis on preparing students to meet state standards. We will read and study works from various authors and genres. Our main novel will be The Hobbit by J.R.R Tolkien where we will be focusing on literary analysis through the Heroic Journey. Our goal throughout the literature and study within this course is to help students strengthen their skills in reading, writing, and speaking. We will also read independently throughout the year with novels of the student's choice that suits the expectation of the course assignment. There will be many other short stories, poems, and nonfiction readings that we will read throughout the year including the play Romeo and Juliet. Additionally, we will develop grammar skills, vocabulary knowledge, and utilize the six plus one writing traits routinely throughout the year. Outline skills in both writing and speech will be stressed in addition to focusing on interpersonal communication in both written and oral communication.
English 10	Course Title: English 10 I and II Length of Course: Semester I and II Prerequisite: Successful completion of English 9 1 & II English 10 I and II further develop your language arts skills. Learning activities in English 10 I will strengthen your academic and technical writing skills. In English 10, you will write for a variety of purposes. As a writer, you will be asked to participate in writing groups in order to help your classmates become better writers. All writing is evaluated with the NCREL six-trait writing system and your knowledge and use of the process of writing: generate/percolate, draft, conference, revise, edit, and publish. In addition, the learning activities will develop your research skills. Your speaking skills will be further developed through your presentation to the entire class. All types of literature will be studied. You will be assigned regular independent reading projects to analyze different aspects of a novel. You will study at least one major novel and one drama. By the time you have completed this course, you should be able to understand and use approaches to analyzing and interpreting literature.

American Literature	Course Title: English 11 I & II (American Literature) - 128 & 129 Length of Course: Semesters I & II Prerequisite: Successful completion of English 10 I & II As a member of English 11, you will study American literature. This is a great opportunity to further your understanding of your country's authors and the rich heritage we have as a literary nation. You will study at least one major American novel, such as *To Kill a Mockingbird* and one American play, such as *The Crucible*. This course will be a combination of reading, writing and speaking with an emphasis on the exploration and understanding of cultures around our country. Students will read and study works from various authors and several genres from different cultures. Students will also read novels independently and show knowledge of those novels with various projects and essays. In addition, we will focus on various studies in grammar and writing, as well as preparation for the ACT test.
British and World Literature	Course Title: English 12 I & II (British Literature) - 130 & 131 Length of Course: Semesters I & II Prerequisite: Successful completion of English 11 I & II This course will be a combination of reading, writing, and speaking with an emphasis on the exploration and understanding of British literature. Students will read and study works from various authors and several genres within the British literary canon. Major works include the novel *1984* by George Orwell, the drama *Macbeth* by William Shakespeare, and *Beowulf*. Students will also read novels independently that suit the expectation of the course assignments. In addition, students will continue to develop grammar skills, vocabulary knowledge, and writing skills.
Film Studies	Course Title: Film Study - 132 Length of Course: Semester We will begin this course with a brief overview of the film industry. Then, throughout the semester we will study the different elements of films through screenings of various clips, behind-the-scenes footage and complete movies. Students will analyze various elements of film through discussion, journaling, written analysis and reviews. The intention of this class is to help students develop a more purposeful method of viewing and responding to the films they watch.
Mythology	This elective will provide students with a global view of mythology. Students will explore the universal qualities of our search for meaning and understanding. Readings will include Greek, Roman, Norse, Arthurian, and modern mythologies. Students will read selections and view films as a class. Afterwards, students will respond through discussion, writing, and individual and group projects.
Short Stories	Calling all readers! This elective provides students with the opportunity to read and appreciate classic and modern short stories. Our short story selections include works by noted American authors and acclaimed world authors. Thematic units will focus on short story elements, mystery, naturalism, horror, and twist endings. After reading, students will through writing, group discussion, and individual and group projects.

Creative Writing	Finally, a chance to realize your true creative potential! Students in this course will experiment with writing in the genres of memoir, poetry and fiction. Students will imagine and create during each daily activity and writing opportunity. The emphasis will be on generating a lot of raw material from which to draw for polished writing pieces. At the same time, students will get familiar with some of the basic strategies for reading and talking about their own writing as well as others' writing.
Literary Topics	This course is designed specifically geared towards teenagers' interests. This elective will involve reading and evaluating a wide range of literature written by current authors for or read by teenagers. Students will read and respond to self-selected individual novels. We will also explore many young adult novels as a class; genres include but are not limited to science fiction, fantasy, contemporary realistic fiction, adventure, mystery, and humor.
Holocaust thru Film and Literature	Shed light on the darkness by studying the origins and development of the Holocaust, as well as how film and literature impact our understanding of the Holocaust. Students will study the Holocaust through a variety of mediums, including movies, novels, poetry, historical documents, etc. in order to gain a better understanding of the ideas presented by the Holocaust as a significant event in world history.
Acting and Improv	Through improv and ensemble building, students will explore the different techniques and background of directing, acting, and set design. Students will apply this knowledge to filmed productions and group performances throughout the year.

FAMILY AND CONSUMER SCIENCE	
Fashion Design	Course Title: Fashion Design - 164 Grade Level: 10-12 Length of Course: Semester Fashion Design is a course designed to take the student on a "behind-the-scenes" tour of clothing construction, textiles, and the Fashion Design Industry. Students begin with a review of basic clothing construction techniques and a look at how fashion has evolved throughout history. The student will explore facets of fashion design including the opportunity to try his/her hand at creating new fashions. An in-depth unit on textile manufacturing provides an interesting look at how fabrics evolve. Lastly, the class will study the retail industry and fashion trends.
Independent Living Skills	Course Title: Independent Living Skills - 167 Grade Level: 10-12 Length of Course: Semester Independent Living Skills is designed to give students exposure to a variety of skills needed for independence, such as grocery shopping, cooking, health and safety, housing, personal finance, insurance, navigating the community and communication, etc.
Baking and Pastry	Course Title: Baking and Pastry Grade Level: 10-12 Length of Course: Semester Baking and Pastry is a course where students gain hands- on experience creating a variety of baked goods and desserts. This course includes instruction on many topics like safety and sanitation, baking basics, baking techniques and skills, quick breads, yeast breads, pies, cookies and bars and cakes. Classroom experiences include food labs, demonstrations, computer and internet activities, research, and presentation.
Health 9	Course Title: Health 9 - 301 Grade Level: 9 Length of Course: Semester Health is a course designed to teach the physical, mental/emotional and social aspects of health. The course consists of the following units: health, mental and emotional health, communication, relationships, nutrition, basic first aid, human reproductive system, and alcohol, tobacco and other drugs. In Health you will also be trained how to perform CPR and use an AED.
Child Development I	Course Title: Child Development -161 Grade Level: 10-12 Child Development is a study of Human Development from conception to toddlerhood. Students will explore preparation for parenthood through a complete study of pregnancy and the delivery of a baby. Some highlights include: proper baby care skills, knowledge of what is “normal” in newborn behaviors, and exposure to child development careers. This course is valuable for any future parent or those who see themselves working in a human relations or child development career.

Family Life Skills and Relationships	Course Title: Family Life and Relationships - 163 Grade Level: 10-12 Length of Course: Semester The Family Life class is a class that will analyze the different stages of the family life cycle. Topics of focus will include: Understanding human development, living skill processes, families, relationships, engagement, marriage, children, family crisis, and relating to older adults.
Culinary	Course Title: Culinary - 165 Grade Level: 10-12 Length of Course: Semester This course is designed to teach the basics of foods. Units in this class consist of safety, sanitation, equipment, terms, and recipes, eggs and dairy, grains, fruits and vegetables, salad and soups, meats, breads, and baking. Students enrolled also study the nutritional aspects of food as well as practical consumer "know-how", meal planning and preparation. Culinary career exploration will also be an aspect of this course.
Intro to FCS (Life Skills)	Course Title: Intro to FCS (Life Skills) - 168 Grade Level: 9 Length of Course: Semester Life Skills is a class designed to increase student knowledge and skills necessary for everyday living and careers. This class involves a lot of "hands-on" projects including: basic life skills, clothing care (laundry and basic repairs), meal planning, grocery shopping and food preparation. Careers related to FCS will be introduced in this course.
Child Development II	Course Title: Child Development II- 169 Grade Level: 10-12 Length of Course: Semester This course is designed to give the student insight into the physical, emotional, intellectual and social needs of children. Students explore how you as a parent or caregiver can foster positive growth in your relationship(s) with children. The course content extends from 1 year of age to 18. Students participate in a parenting simulation using computer operated dolls, but an alternative assignment is available. We will also explore careers related to child development and parenting.
Textiles and Design	Course Title: Textiles and Design Grade level 10-12 In this course you will gain an understanding of how to use the sewing machine along with basic sewing techniques (sewing a straight seam, measuring, and hand sewing). The main focus of this class is to complete a sewing project quilt. You will purchase the material for the quilt top and bottom and filling that you would like to complete. After the introduction on quilting, you will begin constructing your own quilt. Much of this class is self-directed and attendance is very important. As you assemble the quilt, you will learn technical reading of directions. You will also encounter problems, and will practice problem solving skills during this class by addressing these issues: seams not matching, too little fabric, sewing machine problems, etc. You will have the opportunity to hand tie your quilt together or have it professionally quilted.

INDUSTRIAL TECHNOLOGY	
Woodshop	Course Title: Cabinetmaking I -201 Grade Level: 10-12 Length of Course: Semester Prerequisite: Intro to woods Students will be introduced to the hand tools, power tools and machines used in rough carpentry and cabinetmaking. Students will select a project, which can either be in rough carpentry or cabinetmaking. Students are required to have a drawing or blueprint, bill of materials, and a plan of procedure. Students enrolled in both I and II can carry larger projects over into cabinetmaking II. All projects must be approved by the instructor before construction begins. The standard will involve the ability to read technical information and construct from it. This course is a more advanced course for the student who is seriously interested in cabinetmaking and carpentry as an occupation. Students will select projects considered advanced. Projects will cost approximately $150, half of which must be paid within one week of the start of the course. Your projects will involve technical reading as you employ the more advanced skills for using power tools, apply joints and fastening methods, use proper finishing methods, develop further understanding of occupations in relation to shop work, and recognize materials used in the construction industry.
Introduction to Drafting / CAD	Course Title: Intro to Drafting/CAD - 205 Grade Level: 9-12 Length of Course: Semester Prerequisite: C or Higher in JH drafting Drafting is a mechanical and architectural drafting class in which students are introduced to both manual and computer aided drafting. The mechanical unit is a continuation of the 8th grade mechanical drawing in which students continue into more complex mechanical drafting skills. The architectural unit consists of instruction in basic architectural drafting skills. Students apply their skills by designing and drafting a garage, lake cabin, and a house of their own design. Through these designs students will demonstrate their growing skill of understanding and using the terms, symbols, and language of drafting.
Introduction to Woods	Course Title: Intro to Woods - 206 Grade Level: 9-12 Length of Course: Semester Intro to woods is a woodworking class in which students will be instructed on the safety and use of all the major woodworking machines. Students will make a required project selected by the instructor. Upon completion of the required project, students choose individualized project(s) with instructor approval. A drawing of a project, a bill of materials and a plan of procedure are required in making all projects. You will learn to develop the skill to use all power tools and hand tools, demonstrate shop safety, develop some understanding of hardware and fasteners used in wood projects, learn to identify wood (hard woods and soft woods), practice proper clean-up procedures, prepare a bill of material sheet, and calculate board feet.

Manufacturing	Course Title: Manufacturing - 207 Grade Level: 10-12 Length of Course: Semester This course is designed to give practical experience in a mass manufactured product. Each student will be involved in the making/reading of plans, organization and the production of a product. Any student with potential careers in Industrial Distribution, Industrial Management, Carpentry, Technology Education, Architecture, Automotive, Drafting, Cabinetmaking or any other industrial trade should consider this course. Students will have the option to buy the class product at cost. Prices may vary from $25-$150 depending on the class choice of project. Students wishing to repeat this course must have the permission of the instructor and Principal. The class participants will determine the type of project to be made. Here is a partial list of the type of projects that will be manufactured: display cabinets, china cabinets, roll top desks, deacon's benches, tables and cedar chest.
Building Trades	Grade 10-12 – Students can register twice per semester. Students will gain insight and practical skills in the area of building trades, construction and home improvement. With a strong emphasis in residential carpentry, students will study safety procedures, construction math skills, hand tools, power and pneumatic tools, plumbing applications, electrical wiring applications and finishing applications. Students will complete classroom and hands on project based activities in the areas listed above. Upon successful completion of this course, students will have skills needed for pursuing construction related careers or to obtain employment in carpentry. Students will spend time in the classroom for related information, and participate in construction of a house from start to finish.

MATHEMATICS	
Advanced Algebra I	Course Title: Advanced Algebra I - 241 Grade Level: 11 Length of Course: 1 Semester We begin with a review of all skills learned in Algebra I and II, and use these as the basics needed to perform in this class. In addition, you'll be expected to develop skills in the following areas: problem solving, reasoning, communication, connections, and some form of technology. Throughout the course, the standards are embedded within. Throughout the course we will be working with such topics as equations and inequalities, linear equations and functions, linear systems and matrices, and quadratic functions and factoring.
Advanced Algebra II	Course Title: Advanced Algebra II - 242 Grade Level: 11 Length of Course: 1 Semester We will continue our study from advanced algebra 1 and we will be working with such topics as polynomial and polynomial functions, rational exponents and radical functions, exponential and logarithmic functions, and rational functions.
Algebra I	Course Title: Algebra I (nonlinear) - 243 Grade Level: 9 Length of Course: 1 Semester The course will cover the basic structure and operations of the real number system and equation and problem solving within the real number system. Expect to study and learn and master basic algebra skills including a review of these topics: working with real numbers, solving linear equations, graphing linear equations and functions, writing linear equations, and solving and graphing linear inequalities. Then the course will move to a nonlinear version of algebra including an introduction to semester ll.
Algebra II	Course Title: Algebra II (nonlinear) -244 Grade Level: 9 Length of Course: 1 Semester You will explore the following areas and develop the basic skills needed to complete the standard of algebra in a later class. Daily learning includes but is not limited to: solving systems of linear equations and inequalities, exponents and exponential functions, quadratic equations and functions, polynomials and factoring, and rational equations and functions.

Intro to Statistics	Course Title: Intro to Statistics - 246 Grade Level: 10-11 Length of Course: 1 Semester Prerequisite: Passing grade in Algebra II This course is designed to enable students to grasp important concepts in statistics. Daily work will consist of measures of central tendencies, variations, histograms, frequency distributions, normal distributions, and standard deviation. This course will bring in examples from common everyday life. Nearly all types of careers outside of High School and College will be represented.
Geometry I	Course Title: Geometry I - 248 Grade Level: 10 Length of Course: 1 Semester Prerequisite: Passing grade in Algebra II This course includes topics such as: essentials of geometry, reasoning and proof, parallel and perpendicular lines, congruent triangles, relationships within triangles, and similarity.
Geometry II	Course Title: Geometry II - 249 Grade Level: 10 Length of Course: 1 Semester Prerequisite: Passing grade in Geometry 1 This course includes topics such as: right triangles and trigonometry, quadrilaterals, properties of transformations, properties of circles, measuring length and area, and surface area and volume of solids.

MATH 1213-3 credits Introduction to Statistics	Meets MnTC Goal Areas 2 and 4. Topics include data summary, frequency distributions, plots, graphs, measures of central tendency, variation, probabilities, probability distributions and confidence intervals. Hypothesis testing of means, proportions and variances will be conducted using the z-test, t-test, chi square-test, f-test and ANOVA. Optional topics may include non parametric statistics, sampling and simulation. Prerequisite: MATH1114
MATH 1116-3 credits College Trigonometry	Meets MnTC Goal Areas 2 and 4. Topics include trigonometric functions, right triangle trigonometry, radian measure and circular functions, identities, equations, inverse functions, laws of cosines and sines. Optional topics may include complex numbers, vectors and polar coordinates. Prerequisite: Math 1114
MATH 1114-4 credits College Algebra	Meets MnTC Goal Areas 2 and 4. This course studies algebra from a numerical, graphical, and algebraic view point. Here are the topics that will be covered: rational and polynomial functions, exponential and logarithmic functions, inverse functions, quadratic equations, inequalities, matrices, progressions, complex numbers, theory of equations and variations, and linear equations in one, two and three unknowns. Students will be required to have a graphing calculator. Prerequisite: MATH1020 or by placement test.

MUSIC	
Senior Band I & II	Course Title: Senior High Band I & II Grade Level: 9-12 Length of Course: Semesters I & II Prerequisite: successful completion of Junior High Band I & II Senior High Band is a performance-based course in the study of instrumental music. Building on musical skills and knowledge developed in Junior High Band, students in Senior High Band will rehearse and perform concert band and wind ensemble literature ranging in difficulty from medium to advanced. We will also work to improve independent musical skills other than performing through music theory, music history, and analysis and reflection of a wide range of music. Senior High Band is a co-curricular subject. This means that performances outside of regular class time will be reflected in the student's final grade. These performances include concerts, pep bands, graduation, Memorial Day, and large-group contest. Participation in Marching Band is strongly encouraged for all students enrolled in Senior High Band. Jazz Band, Pit Band, and Solo/Ensemble Contest are additional opportunities for musical performance available to students in Senior High Band.
Senior Choir I & II	Senior Choir is a course which focuses on the performance of a varied repertoire of SATB and SAB choral literature. While preparing for each performance, the student will work to improve independent musical skills and meet the current music standards set by the Minnesota Department of Education through score analysis and discussion as well as sight singing and music theory activities. The students will also have the opportunity to work on personal musical skill development by performing in an ensemble or as a soloist at the subsection contest. The required performances include three concerts, large group contest and graduation.

PHYSICAL EDUCATION	
Life Sports	Course Title: Life Sports - 302 Grade Level 10-12 Length of Course: Semester Life Sports is a physical activity course that focuses on activities and sports that are able to be played over a prolonged period of time or even a lifetime. These activities will be individual, partner, and group oriented so that a variety of activities and situations are presented. The main focus of this class is to educate and encourage staying active in everyday life and to promote a variety of activities that will allow the individual to do so. This is a physical education course that incorporates the fitness center into its weekly plans, so therefore each student will participate in cardiovascular and strength training exercises while working towards individual goals set at the beginning of the semester.
Phy Ed 9	Course Title: 9th Grade Physical Education - 304 Grade Level 9-10 Length of course: Semester 9th & 10th Grade Physical Education is a course that focuses on individual fitness and self improvement while refining their skills and knowledge based on individual and team sports and activities. Students will focus on aerobic activity in the gym and fitness center and strength training in the weight room. Students will also be required to develop and follow a workout routine on a weekly basis. Students will be responsible for knowing rules and regulations of each unit taught and will be given skills tests and written quizzes online. Each student will be expected to have a change of clothes and shoes for either indoors or outdoors and for hot or cold weather.
Strength, Speed and Agility	Course Title: Strength, Speed and Agility - 305 Grade Level: 10-12 Length Of Course: Semester During this class students will perform dynamic warm-up routines prior to working on their individual flexibility, strength, speed, core and agility training exercises/drills/lifts. Class will take place in the gym, fitness center and weight room over the course of the week. Students will be asked to set individual goals and they will be challenged daily through a variety of body weight exercises, resistance drills, strength training lifts, and cardio activities to accomplish these goals. The purpose of this class is to form good training habits, strong work ethic, and allow students to translate the skills and knowledge obtained into their daily life and/or towards their athletic careers.
Science	
Introduction to Health Science & Careers	The Introduction to Health Science & Careers course is designed to create an awareness of career possibilities within the five designated CTE career clusters in health care. These include support services, therapeutic services, biotechnology research and development, diagnostic services, and health informatics

Biology I & II	Course Title: Biology - 322 Grade Level: 10-12 Length of Course: One Semester Prerequisite: Physical Science II In this course, students will discover that biology is the study of life. Using the scientific method they will research topics such as: characteristics of life, cells, genetics, taxonomy and systematics, viruses and bacteria. Students will understand: A. Cells 1. All living things are composed of cells. 2. Life processes in a cell are based on molecular interactions. B. Diversity of Organisms 1. Organisms all require different accommodations for life processes. 2. Organisms can be compared, contrasted, and classified. C. Interdependence of Life 1. Describe the interactions between organisms and the environment. 2. Describe population dynamics between species and ecosystems. D. Heredity 1. Describe the explanation of inherited traits. 2. Describe how genes encode traits. E. Population change 1. How biological evolution provides explanations for fossils. 2. Find molecular similarities among the diversity of species. F. Flow of Matter and Energy 1. How matter flows through an ecosystem. 2. How the living and nonliving components affect the flow. G. Human Organism 1. How organ systems interact with one another. 2. How Homeostasis is maintained within the body.
Chemistry I	Course Title: Chemistry I & II - 324 & 325 Grade Level: 10-12 Length of Course: Semester Each Prerequisite: Algebra, Biology I & II In Chemistry, you will study the structure of matter, chemical reactions, energy transformations, forces within and between atoms, historical perspectives, scientific inquiry, scientific worldview, and careers in science and technology. Students will:* Understand the nature of matter including its forms, properties and interactions.* Describe chemical reactions and the factors that influence them.* Understand energy forms, transformations and transfers.* Understand the forces of nature working at the atomic level.* Understand the nature of scientific ways of thinking.* Understand that scientific knowledge changes and accumulates over time.* Design and conduct a scientific investigation.* Understand the relationship between science and technology and uses of both.* Recognize the historical and cultural context of scientific endeavors and how they influence each other.

Chemistry II	Course Title: Chemistry I & II - 324 & 325 Grade Level: 10-12 Length of Course: Semester Each Prerequisite: Algebra, Biology I & II In Chemistry, you will study the structure of matter, chemical reactions, energy transformations, forces within and between atoms, historical perspectives, scientific inquiry, scientific worldview, and careers in science and technology. Students will: * Understand the nature of matter including its forms, properties and interactions. * Describe chemical reactions and the factors that influence them. * Understand energy forms, transformations and transfers. * Understand the forces of nature working at the atomic level. * Understand the nature of scientific ways of thinking. * Understand that scientific knowledge changes and accumulates over time. * Design and conduct a scientific investigation. * Understand the relationship between science and technology and uses of both. * Recognize the historical and cultural context of scientific endeavors and how they influence each other.
Forensic Science	The science of forensics is a class focused on the lab work involved in crime solving. We will get experience in several areas of crime scene analysis in an effort to prepare for a "final" CSI experience at the end of the semester. Students can expect to work on techniques until they are comfortable making scientific recommendations based on their lab work. The areas we will explore are laid out below. **Paying attention to detail** fingerprint analysis body decomposition blood spatter Hair, fiber and bone **Evidence collection** How to make sure evidence is collected properly Piecing together the clues, practice in puzzling questions. **DNA** How is DNA compared and analyzed? psychology of criminals, what can be predicted?

Environmental Science	Grades 10-12. Length of course 1 semester. (fall) This course is an introduction to the science that directly impacts us all. You will be introduced to the scientific study of our environment as well as the technological, social, political, and economic challenges faced as our world's population grows and expands and in turn study how those challenges impact our environment. You will learn about Minnesota's diverse ecosystems, exploring both living and non-living features. As we learn about our environment we will learn skills on how to survive outdoors. Topics Covered: -Intro to Env. Sci. - Minnesota Ecosystems - Human Impact - Survival Skills

Science 9 I	Course Title: Science 9 1 & 2 - 328 & 329 Grade Level: 9 Length of course: Semester Each Prerequisites: none In Physical Science, you will study forces of nature, motion, energy transformations, structure of matter, chemical reactions, the nature of science, scientific inquiry, historical perspectives, and relationship of science and of technology. Students will understand: * The nature of force and motion. * The forces of nature and their application. * Energy forms, transformations and transfers. * The nature of matter including its forms, properties and interactions. * How to describe chemical reactions and factors that influence them. * The nature of ways of scientific thinking and changes over time. * The relationship between science and technology and how both are used. * The historical and cultural context of scientific actions and discoveries. * How to design and conduct a scientific investigation.
Science 9 II	Course Title: Science 9 1 & 2 - 328 & 329 Grade Level: 9 Length of course: Semester Each Prerequisites: none In Physical Science, you will study forces of nature, motion, energy transformations, structure of matter, chemical reactions, the nature of science, scientific inquiry, historical perspectives, and relationship of science and of technology. Students will understand: * The nature of force and motion. * The forces of nature and their application. * Energy forms, transformations and transfers. * The nature of matter including its forms, properties and interactions. * How to describe chemical reactions and factors that influence them. * The nature of ways of scientific thinking and changes over time. * The relationship between science and technology and how both are used. * The historical and cultural context of scientific actions and discoveries. * How to design and conduct a scientific investigation.
High School Anatomy	This course covers basic anatomy and physiology. Topics and areas covered: study of cell, tissues, organs of the different body systems and structures. Systems studies: integumentary, skeletal, muscular, circulatory, lymphatic, and respiratory

Genetics	Course Title: Genetics Grade Level: 11-12 Length of Course: Semester Prerequisite: Biology I & II This course is focused on cutting edge scientific research in the field of human genetics. Much of our work is accomplished through experiments, lab work, discussion of current ethical topics and current/future applications of this field. Biology is a prerequisite for this course and after some review we will pick up where our study of genetics in biology left off. This is an ideal course for those interested in a medical, health, or biologically related field of study after high school. Below are a summary of the units covered in this class. I. DNA to chromosomes to genes II. The human genome III. Gene therapy (the future of medicine*) IV. Ethics of gene manipulation V. The future & student selected topics
Robotics	Robotics - Semester Course grade 10-12 Prerequisite: B math average (or by special arrangement) Robotics is a branch of engineering that involves the conception, design, manufacture and operation of robots. The objective of the robotics field is to create intelligent machines that can assist humans in a variety of ways. Students will be building, installing, testing and/or maintaining robotic equipment and/or related systems. The curriculum will feature the VEX robotics platform (https://education.vex.com/). This course will be useful for those interested in a manufacturing career such as those available at Lund, Shearer's and BTD. Some of the manufacturing job titles related to this course include the following: Robotics Technician; Instrumentation Specialist; Process Control Technician; Automation Technician; and, Programmable Logic Controllers Technician. Students planning to go to college will also find this course of marked utility.
STEM Lab	STEM Lab Instrumentation - Semester Course grade 10-12 Prerequisite: B math average (or by special arrangement) STEM stands for science, technology, engineering, and mathematics. This course features an interdisciplinary, hands-on approach to give students working knowledge and skills in the field of STEM. This class will describe phenomena using the metric system and will feature computer-based datalogging and instrument control. Approaches to problem solving will include both the Scientific Method and the Engineering Method. This course will be useful for those interested in manufacturing jobs like those available at Lund, Shearer's and BTD including the following: Instrumentation Specialist; Process Control Technician; Automation Technician; and, Programmable Logic Controllers Technician. Students planning to go to college will also find this course useful. Classroom discussions will be coupled with hands-on laboratory activities which may include the following: integrating LabQuest sensor systems into the school-based network; designing a replacement control panel for the football scoreboard; and, setting up a weather station and connecting it to Wunderground.

Zoology	**<u>Zoology</u>** **Grades:** 10 - 12 Length: 1 Semester (spring) **Prerequisite**: C average or better in Bio I (or by special arrangement) Dive into the fascinating world of animals. Through lectures, projects and dissections, students will explore the diverse kingdom of Animalia, examining various species, their habitats, behaviors, and evolutionary adaptations. Key topics include: ● Classification and taxonomy of animals ● Animal physiology and organ systems ● Behavior and interaction within ecosystems ● Conservation and the impact of human activities on wildlife ● Field observations and species identification techniques This course is designed for students interested in biology, environmental science, and wildlife conservation. By the end of the course, students will develop critical thinking skills, scientific inquiry, and a deeper appreciation for the biodiversity that surrounds us.

SOCIAL STUDIES

Abnormal Psychology	Course Title: Abnormal Psychology - 361 Grade Level: 10-12 Length of course: Semester Note to student: Psychology is not a prerequisite to Abnormal Psychology. 'Are you crazy*' 'That guy must be nuts!' 'She certainly is not playing with a full deck.' 'He is neurotic.' 'We live in a sick society.' Think about the number of times you've heard these expressions, and picture in your mind the image of someone you would label as 'crazy' or abnormal. Our society is rife with terms/phrases to describe behavior outside the norm; our interactions are loaded with judgments of it. We often make evaluations with the conviction of intuition, we rarely consider validity. Actually, we often evaluate behavior of all others we meet as normal or abnormal. There is no clear distinction between normality and abnormality, sanity and insanity, mental health and mental illness. The culture, the times, the situation, the individual profoundly influences the classification. This course aims to emphasize the difficulty of ascertaining who is psychologically disordered by presenting the major classifications and types of psychological disorders currently under investigation in our medical and psychological community. Researching case studies, class discussions, and inquiry-based projects represent most of the activities of the course. Among these activities, students will have the opportunity to read and research J.D. Salinger's classic novel The Catcher in the Rye and view the movie and research the history behind the movie A Beautiful Mind*to name just two of the major projects of the course.

Social 9 I and II	Course Title: World History and Geography - 368 & 369 Grade Level: 9 Length of Course: Semester each The study of History (Minnesota, U.S., and World) will help you see how people in other times and places have grappled with the fundamental questions of truth, justice, and personal responsibility, to understand that ideas have real consequences, and to realize that events are shaped both by ideas and the actions of individuals. The study of World History will help you understand the major developments in the civilizations of Europe, the Middle East, Africa, Asia, and the Americas. World History will also help you recognize the 'common problems of all humankind, and the increasing interactions among nations and civilizations that have shaped much of human life' and how individuals and nations have successfully or unsuccessfully met the challenges of human nature and their environment. No one can approach History without the use of Geography. This course will also emphasize Geography. Geography is the science of space and place on Earth's surface. It is an integrative discipline that brings together the physical and human dimensions of our world. Geography's subject matter is the spatial arrangement of the physical and human phenomena that make up the world's environments and give character to places, large and small. Geography describes the changing patterns of places in words, maps, numbers and graphics, explains how these patterns come to be, and unravels their meaning. Geography captures the imagination. It stimulates curiosity about the world and the world's diverse inhabitants and places as well as about local regions and global issues. It enables us to understand our home by opening windows on the rest of the world.
Social Psychology	Course Title: Social Psychology Grade Level 10-12 Semester course Social psychology is the scientific study of how the thoughts, feelings, and behaviors of individuals are influenced by the actual, imagined, and implied presence of others, 'imagined' and 'implied presences' referring to the internalized social norms that humans are influenced by even when they are alone.
Economics/Careers I	Course Title: Economics I (micro) - 364 Prerequisite: United States History II Length of Course: Semester What kind of new business would succeed in New York Mills* What would you do with $1 million* What type of career are you going into* Decisions*decisions*decisions. That's what Economics I is all about. We'll study the economy by looking at a variety of real-life decisions, through the eyes of the people who have to make them. The major themes of Econ I are money, banking, businesses, and economic forecasting. You'll also continue your career decision making process that was started in 9th grade by participating in a career unit that will take place throughout the entire semester. You'll not only learn a little about economics and your career choices, but you'll definitely improve your decision-making skills!
Economics/Careers II	Course Title: Economics II (macro) - 365 Length of Course: Semester We live in a world of scarcity where our wants exceed our resources. Does this mean we can get everything that we want? No. Does this mean we have to make wise decisions? Definitely! In Econ II, will study how our countries, states, businesses and people make economic decisions. As a continuation of Econ I, we will also continue to look at all of the career issues that high school students face: finishing high school, choosing a college, considering the military, financial aid and choosing a career.

Current Issues	**Grade Level:** 10-12 **Length of Course**: Semester **Course Description**: In Current Issues, we not only study the most important news stories and issues in our community, state, nation and world, but we also develop a process for researching complex issues. As a class, we'll develop a hands-on approach to studying in-depth issues and use that process as we work through the first few topics we study. In small groups, students will get to investigate topics and issues that they choose, using the newly-developed process. Individually, students will research an issue of their choosing for a final project, using the various steps created throughout the semester. **Major Units/Parts of Class:** We will be….. 1. Building the process we use to study the issues 2. Learning how to study complicated issues 3. Building research skills (thinking, researching from a variety of databases/sources, organizing, writing, presenting information) 4. Analyzing various forms of issue-related information 5. Studying current news/issues (world, United States, Minnesota, local) 6. Debating most of what we study 7. Following upcoming elections (races, candidates, issues) 8. Conducting class/small group/individual projects 9. When you leave this class, I hope that you have moved to the right on the diagram below in many different ways!
Psychology	Course Title: Psychology - 367 Grade Level: 10-12 Length of Course: Semester Prerequisite: American Hist. II You will review current research in learning, memory, body systems and effect on behavior and sensation, and current evens in psychology. Throughout the course, you will review research completed in various topics of psychology and related themes. You will use research techniques such as surveys, structured and unstructured interviews, observations, and questionnaires. We will work in the Media Center and classroom with primary and secondary sources. Assessment of the package will involve development of a research plan including a research problem and sub-problem, determining feasibility, planning to collect data, and a review of background information (issues and context), collecting and interpreting primary data, and discussing findings. Expect to use primary and secondary sources and techniques to gather information. This data will then be synthesized into a final product.

The History of Baseball	The History of Baseball Grade Level: 10-12 Length of Course: Semester This course will deal with the history of baseball in the United States from its origins in the early 19th century to the professional game of the late 20th century. We will examine the history of the game through primary sources, documentaries and project/research based assignments. Along with studying the origins of the game we will also look at baseball scandals and so-called curses, the greatest moments and players of baseball, and the different eras of the game. We will also look at how the game of baseball has influenced American culture and history through the years.
World History & Geography I and II	Course Title: World History and Geography - 368 & 369 Grade Level: 12 Length of Course: Semester each The study of History (Minnesota, U.S., and World) will help you see how people in other times and places have grappled with the fundamental questions of truth, justice, and personal responsibility, to understand that ideas have real consequences, and to realize that events are shaped both by ideas and the actions of individuals. The study of World History will help you understand the major developments in the civilizations of Europe, the Middle East, Africa, Asia, and the Americas. World History will also help you recognize the 'common problems of all humankind, and the increasing interactions among nations and civilizations that have shaped much of human life' and how individuals and nations have successfully or unsuccessfully met the challenges of human nature and their environment. No one can approach History without the use of Geography. This course will also emphasize Geography. Geography is the science of space and place on Earth's surface. It is an integrative discipline that brings together the physical and human dimensions of our world. Geography's subject matter is the spatial arrangement of the physical and human phenomena that make up the world's environments and gives character to places, large and small. Geography describes the changing patterns of places in words, maps, numbers and graphics, explains how these patterns come to be, and unravels their meaning. Geography captures the imagination. It stimulates curiosity about the world and the world's diverse inhabitants and places as well as about local regions and global issues. It enables us to understand our home by opening windows on the rest of the world.

Street Law	Course Title: Street Law - 371 & 372 Grade Level: 10-12 Length of Course: Semester Street Law is law that is of practical use in everyday life (on the streets). Every purchase, lease, contract, marriage, divorce, crime, or traffic violation places the citizen face-to-face with the law. Street Law is designed to provide you with an understanding of your legal rights and responsibilities, a knowledge of everyday legal problems, and the ability to analyze, evaluate, and in some situations, resolve legal disputes. In compliance with the graduation standards, you will be required to identify and evaluate a contemporary issue that has opposing views. You will then be asked to identify motives, analyze feasibility and practicality, compare sides, and ultimately propose solutions.
United States History I	Course Title: United States History I - 373 Prerequisite: Civics II Length of Course: Semester United States History I, also known in conjunction with English 10, I as American Studies I, explores the beginnings of our country's history through the Great Depression. Expanding the years 10,000 B.C. to 1939 A.D., American Studies I (U.S. History I) provides students with the opportunity to study a barrage of historical events and individuals. These include, but are not limited to: * early native American tribes, * European exploration and expansion of North America, * our first 13 colonies, * the American Revolution, * the creation of our Constitution, * the War of 1812, * the Lewis and Clark expedition, * the Civil War, * World War I, * and the Great Depression. Students will also receive the opportunity to read significant fiction and non-fiction books pertaining to any historical event and or character associated with the time period being studied as well as view major Hollywood movies regarding the era. Afterwards, the student will serve as historian and critique the historical relevance of each work. In conjunction with English 10 I, the student will also create a mini-documentary film relating to a historical event or individual. Working with a group, students will be granted research and work time in both U.S. History I and English 10 I.

United States History II	Course Title: United States History II - & 374 Prerequisite: United States History I Length of Course: Semester United States History II, also known in conjunction with English 10 II as American Studies II, explores the beginnings of our country's involvement in World War II through contemporary United States history. Expanding the years 1939 to present day, American Studies II(U.S. History II) provides students with the opportunity to study a barrage of historical events and individuals. These include, but are not limited to: * WW II and the Holocaust, * the Berlin Crisis, * the Korean War, * the Red Scare and McCarthyism, * the Vietnam War, * the Cuban Missile Crisis, * the Civil Rights Movement, * Watergate, * and the Reagan Years. Students will also receive the opportunity to read significant fiction and non-fiction books pertaining to any historical event and or character associated with the time period being studied as well as view major Hollywood movies regarding the era. Afterwards, the student will serve as historian and critique the historical relevance of each work. In conjunction with English 10 I, the student will also write a multi-genre paper relating to a historical event or individual. Working individually, the student will be granted research and work time in both U.S. History II and English 10 II. Other, smaller projects will also be completed within the two courses.

Careers 9	Course Title: Careers - 375 Grade Level: 9 Length of Course: Quarter Careers 9 allows participants to consider life after high school. The course starts with students analyzing themselves. What are my interests* What are my skills* What kind of lifestyle do I want to have some day* After that, we look at the world of work. What jobs will be available when I graduate* What career fields seem to be most interesting to me* A look at colleges and the military follows. By the end of the course, students will have a broader and more informed look at the rest of their high school years and what follows after graduation. This introductory course gives students a chance to dream, explore and plan.

Forensic Law	Course Title: Forensic Law - 377 Grade Level: 10-12 Length of Course: Semester Forensics-Law will introduce the student to how crime is solved through the eyes of a law official. The student will be introduced to Crime and the Criminal Justice System. This includes looking at various crimes and everything that happens to a person from arrest through prosecution and conviction to releases from the state. A concentrated effort will be made to try and provide the opportunity for students to meet with both local and state experts in regards to both the criminal justice process and forensics. A final project of incorporating legal aspects of crime is a strong possibility. Standards from the National Council for Social Studies will be addressed in this class.

WORLD LANGUAGES	
Spanish 1A – 1B	Course Title: Spanish 1A and 1B - 401 & 402 Grade Level: 9-12 Length of Course: Semester each Recommended: C avg. in Eng. classes Beginning Spanish students will begin working toward an acceptable degree of proficiency in speaking, writing, reading, and listening skills. We will focus on basic vocabulary, pronunciation, grammatical concepts, and Hispanic culture. You will learn to introduce yourself and greet others, say what you like and don't like to do, and express personality traits, class schedules, telling time, hobbies, discuss and order food, and more. There will be a variety of different units throughout the course. Get ready to expand your world! It is recommended that students take Spanish I and II consecutively, as scheduling allows.
Spanish 2A – 2B	Course Title: Spanish 2A and 2B - 403 & 404 Grade Level: 10-12 Length of Course: Semester each Recommended: C avg. in Spanish I This course will review and build on the foundations of Spanish I. Vocabulary expansion, verb use, introduction of various tenses, and grammatical concepts will be emphasized. Additionally opportunities for students to gain greater fluency in speaking, listening, reading, and writing in Spanish will be provided routinely. Along with cultural aspects, students will learn to describe families, talk about the past and daily routines, give and take directions, describe clothing, and learn other skills needed to travel in a Hispanic country.

COLLEGE LEVEL COURSES	
CHEM 1100 Fundamental Concepts of Chemistry	Fundamental Concepts of Chemistry (3 credits) Course deals with substances, their structures and properties, the changes they undergo and the laws that govern those changes. Intended for prospective elementary teachers, non-science majors and those who need background for General Chemistry. This course includes a lab. Meets MnTC goal areas 2 Critical Thinking and 3 Natural Sciences
ENGL 1101 - College Writing I	College Writing I (English 1101, 3 credits) - 442 College Writing is an introductory writing course designed to prepare students for later college and career writing. The course focuses on developing fluency through a process approach, with particular emphasis on rewriting and revision. Students will consider purpose and audience, read and discuss writing, and further develop their own writing processes through successive revisions to produce polished drafts. Course work will include an introduction to argumentative writing, writing from sources, and a short research project. Prerequisite: Placement by Assessment.
ENGL 1205 Writing about Literature	College Writing II (English 1102, 3 credits) - 443 Prerequisite: ENGL1101. This course provides students with additional opportunities to develop fluency through a process approach by continuing work with rewriting and revision. Students will read critically from a variety of genres as they continue to give attention to organization, syntax, usage, point-of-view, and voice in their essays. Coursework will include argumentative writing and writing from sources.
COMM 1120 Intro to Public Speaking	Intro to Public Speaking (3 credits) - 448 This course clarifies the process of oral communication, clarifies the basic principles of public speaking, and allows the student to increase the application of these principles both while speaking and while listening.
MATH 1114 College Algebra	College Algebra (Math 1114, 4 credits) - 444 Prerequisite: MATH1020 or by placement test. This course studies algebra from a numerical, graphical, and algebraic view point. Here are the topics that will be covered: rational and polynomial functions, exponential and logarithmic functions, inverse functions, quadratic equations, inequalities, matrices, progressions, complex numbers, theory of equations and variations, and linear equations in one, two and three unknowns. Students will be required to have a graphing calculator.
MATH 1116 College Trigonometry	Meets MnTC Goal Areas 2 and 4. Topics include trigonometric functions, right triangle trigonometry, radian measure and circular functions, identities, equations, inverse functions, laws of cosines and sines. Optional topics may include complex numbers, vectors and polar coordinates. prereq - Math 1114, College Algebra
eCampus Courses	Online College Courses through M|State. 11th and 12th graders are eligible. 3.2 gpa juniors 2.8 gpa seniors https://www.minnesota.edu/academics/class-schedules See Mrs. Raser to register