

NEW LONDON HIGH SCHOOL



2024 | 2025

COURSE DESCRIPTION GUIDE

SCHOOL DISTRICT OF NEW LONDON



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Equal Educational Opportunities/Nondiscrimination

It is the policy of the School District of New London that no person may be denied admission to any public school in this district or be denied participation, be denied the benefits of, or be discriminated against in any curricular, extracurricular, public service, recreational, or other program or activity because of the person's sex, race, color, religion, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional or learning disability as required by section 118.13 of the State Statutes. This policy also prohibits discrimination as defined by Title IX of the Education Amendments of 1972 (sex), Title VI of the Civil Rights Act of 1964 (race, color, national origin), Section 504 Rehabilitation Act (handicap), and Americans with Disabilities Act of 1990 (disability).

The district shall provide appropriate educational services or programs for students who have been identified as having a handicap or disability, regardless of the nature or severity of the handicap or disability. The District shall also provide for the reasonable accommodation of a student's sincerely held religious beliefs with regard to examinations and other academic requirements.

The District encourages informal resolution of complaints under this policy. A formal complaint procedure is available, however, to address allegations of policy violations in the district.

**Any questions concerning
policy should be
directed to:**

Scott Bleck
District Administrator
School District of New London
901 W. Washington Street
New London, WI 54961
(920) 982-8530
sbleck@newlondon.k12.wi.us

**Any questions concerning
Section 504, Title IX, and Title II-ADA should be
directed to:**

Kandi Martin
Director of Pupil Services
School District of New London
1700 Klatt Road
New London, WI 54961
(920) 982-8447
kmartin@newlondon.k12.wi.us

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COURSE SCHEDULING

Here at NLHS we want all students to be able to answer the following questions:

- 1. Where am I currently in my learning?**
- 2. Where do I want or need to be so I am prepared for college and career?**
- 3. How do I get there?**

This course description guide provides a listing of the learning opportunities available to you throughout your high school career. Careful planning and consideration can assist in reaching the goal of being college and career ready. With careful planning, you also have the potential to earn college credit, save college tuition, earn industry-recognized certifications, gain apprenticeships, acceptance to post-secondary institutions and immediate employment in the workforce or military.

It is your responsibility to ensure that you have enough credits to graduate and that you have satisfied all NLHS graduation requirements. Your involvement in your education plays an important role in your success in school. Please contact your teachers, counselors, and administrators for assistance with scheduling.

SCHEDULING PROCEDURES

Students must register for a minimum of six credits each year. Before selecting a course, check the course description to make sure it fits your needs, interests, and abilities, and that you have taken the prerequisite classes. Teacher approval is also required for some courses. Careful consideration of course selection prior to course registration is critical. Course requests made during the registration process impact employment of faculty, room assignments, textbooks, and other resource purchases. Students with an individualized Education Plan (IEP) will work closely with their case manager and school counselors to best identify their course schedule.

- Course registration will be done through Skyward Family/Student Access. Directions and online tutorial will be available on the NLHS website.
- Counselors will meet with and distribute course registration materials to current students by grade level.
- Every attempt will be made to meet all requests, but in some cases, scheduling conflicts will occur. Students should register for at least two alternative classes.
- No course changes will allowed after course enrollment has been completed.
- Schedule change requests due to special circumstances must complete a schedule change request form prior to the start of the term. These requests will be reviewed by administration.
- Seniors requesting a schedule change will need to make sure all colleges/universities admission status is not compromised by the changes. Your college acceptance can be affected by any changes.
- Schedule changes that only involve a teacher change will not be considered.
- The School District of New London reserves the right to make any and all final decisions regarding course additions, drops, or changes.

IMPORTANT SCHEDULING TIPS

- Know the graduation requirements.
- Register for at least 6 credits.
- Register for at least 2 electives. Course conflicts can occur so choose your electives wisely.
- Many classes have prerequisites that must be taken prior to enrolling in the class.
- Course scheduling is done through Skyward Family/Student Access.
- Instructions and scheduling tutorial can be found on the New London High School website.
- No course changes will be allowed after course enrollment has been completed.
- Course Flow Charts can be found at <https://www.newlondon.k12.wi.us/highschool/> under the course description guide.

GRADUATION REQUIREMENTS

In addition to meeting credit requirements, students will successfully complete a showcase portfolio and be provided a Senior Interview prior to graduation.

Core academic requirements for graduation are subject to change.

DEPARTMENT	CREDITS REQUIRED
Language Arts	4.0
Mathematics	3.0
Science	3.0
Social Sciences	3.0
Physical Education	1.5
Financial Literacy*	0.5
Health**	0.5
Electives	8.5

**The requirement of Financial Literacy will be fulfilled with any of the following courses:
Consumer Math A, Personal Finance, or Financial Planning.*

***Successful completion of 0.5 credit of Middle School Health will fulfill this high school requirement.*


COLLEGE AND CAREER READINESS PORTFOLIO

- o Four Year Transition Plan Document
 - o Must Include Academic Growth Goal for each year.
 - o Must include a Personal Growth Goal for each year.
- o Cover Letter/Application Essay/Scholarship Essay
- o Resume
- o Final High School Reflection

INTERVIEW

- o Exit Interview

AGRICULTURE AND NATURAL RESOURCES

<p>INTRODUCTION TO AGRICULTURE AND NATURAL RESOURCES CREDITS: 1 GRADES: 9, 10, 11, 12</p>	<p>From air to meat, students will learn about the six major components of Agriculture. These components are natural resources, plants, animals, food science, technology, and agribusiness. Discussions will include air quality, water quality, animal care, plant components, 6 main nutrients found in foods, and the different technology available. Students will learn such skills as caring for an animal, planting plants, taking cuttings, landscaping, making pizza, and performing experiments. Hands-on labs, guest speakers and possible field trips are a part of this class. FFA will be a component of this course.</p>
<p>ANIMAL SCIENCE CREDITS: 1 GRADES: 10, 11, 12 LAUDE CLASS Successful completion of pet and companion animals or introduction to agriculture. Dual Credit - FVTC</p> 	<p>Animal science enables the student to develop an understanding of animal management, production practices, products, and the role animals play in our society. The class also addresses the animal's function as a food producer. The animal species that will be covered in class are beef cattle, swine, sheep, goats, poultry, and small animals.</p>
<p>GENERAL HORTICULTURE CREDITS: 0.5 GRADES: 9, 10, 11, 12</p>	<p>General Horticulture exposes students to the art and science of growing plants, shrubs, trees, flowers, fruits, and vegetables. Topics addressed include; greenhouse and nursery operations, soils and media mixtures, fruit and vegetable production, turf/golf course management, interior and exterior plantscaping, irrigation systems, weed and pest control, and floral design. FFA is a component of this course.</p>
<p>FOOD SCIENCE/ WHAT'S FOR DINNER CREDITS: 0.5 GRADES: 9, 10, 11, 12</p>	<p>From processing milk to processing meat, students will be involved in many fun and exciting food science activities. Discussions will include the chemistry of food, 6 main nutrients found in foods, preservation methods, processing methods and careers in the food science industry. Students will learn such skills as freezing and canning fruit and vegetables, processing meat and milk, making cheese and ice cream, and making breads. Hands-on labs, guest speakers and possible field trips are a part of this class. FFA will be a component of this course.</p>
<p>OUTDOOR RECREATION AND CERTIFICATION COURSE CREDITS: 0.5 GRADES: 9, 10, 11, 12</p>	<p>Outdoor Recreation will allow students the opportunity to become certified in many environmental management and education fields. Students will be involved in numerous projects including ATV safety certification, snowmobile safety certification, boaters safety, trappers education, and hunters safety. For anyone who enjoys spending time outdoors, this is the class for you! This course will also address FFA and Supervised Agricultural Experiences. A \$10.00 certification fee will be required for each certification if a certification is applied for and a \$12.00 fee for trappers education. FFA will be a component of this course.</p>
<p>PET AND COMPANION ANIMALS CREDITS: 0.5 GRADES: 9, 10, 11, 12</p>	<p>This course provides students with practical knowledge of pet care and explores career opportunities in the pet industry. Care, management and, where appropriate, training of traditional pets such as cats, dogs, birds, fish, guinea pigs and hamsters; working animals like dogs and exotic animals such as reptiles and amphibians will be addressed. Topics include nutrition, health management, reproductive management, diseases, and safety. Students will be exposed to a wide variety of pet and companion animals in the classroom or on tours and hearing demonstrations from other animal care workers such as kennel owners, trainers and groomers. FFA will be a component of this course.</p>



AGRICULTURE AND NATURAL RESOURCES

WILDLIFE AND FORESTRY CREDITS: 0.5 GRADES: 9, 10, 11, 12	<p>From the forest to the kitchen, students will be involved in providing wildlife habitats, and identifying organisms as well as doing taxidermy. Discussions will include methods of managing a forest and wildlife, understanding concepts related to the forest and learning how to identify wildlife and trees. In the wildlife component we will specifically focus on birds and mammals. Students will learn such skills as measuring board feet of a tree, how tall a tree is, identifying trees, caring for a wildlife habitat and forest, and taxidermy. Hands-on labs, guest speakers and possible field trips are a part of this class. FFA will be a component of this course.</p>
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ART

CREATIVE ART - COMPREHENSIVE CREDITS: 1 GRADES: 9, 10, 11, 12	<p>Introduction to Creative Art is a comprehensive course that provides students with the knowledge and opportunity to explore art forms and to create individual works of art. This course also covers the language, materials, and processes of art forms, design elements, and principles supporting a work of art.</p>
CREATIVE ART - DRAWING AND PAINTING CREDITS: 1 GRADES: 10, 11, 12 Successful completion of Creative Art-Comprehensive or consent of instructor.	<p>Creative Art – Drawing and Painting extends learning from Introduction to Creative Art, but provides a focus on drawing and painting. Attention is given to two-dimensional works such as pen-and-ink, pencil, chalk, watercolor, oil pastel, charcoal, acrylics, printmaking, montage, collage, and photography.</p>
CREATIVE ART - SCULPTURE CREDITS: 1 GRADES: 9, 10, 11, 12	<p>Creative Art-Sculpture courses cover the same topics as Creative Art-Comprehensive courses, but focus on creating three-dimensional works. Students typically work with several media (such as clay, ceramics, wood, metals, textiles, and so on), but some courses may focus on only one medium.</p>
CERAMICS AND POTTERY I CREDITS: 1 GRADES: 10, 11, 12	<p>Ceramics and Pottery I covers the language, materials, and processes of the use of clay and the design elements and principles of ceramics and pottery. Attention is paid to the characteristics of the raw materials, their transformation under heat, and the methods used to create and finish objects. Topics include exposure to pottery of diverse world cultures and the history of ceramic design.</p>
CERAMICS AND POTTERY II CREDITS: 1 GRADES: 11, 12 Successful completion of Ceramics and Pottery I or consent of instructor.	<p>Ceramics and Pottery II advances the language, materials, and processes of the use of clay and the design elements and principles of ceramics and pottery which was explored in Ceramics and Pottery I. As students advance and become more adept, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic styles. This course includes discussion and exploration of career opportunities in the art world.</p>
JEWELRY/TEXTILES CREDITS: 0.5 GRADES: 9, 10, 11, 12	<p>This course applies art and design principles to the creation of jewelry and textiles. Students use media such as ceramic, paper-mâché, glass, and plastic to explore concepts, materials, and techniques of jewelry-making. Students also survey a wide range of crafts and art forms using textiles including felt, image transfer, weave macramé, quilt, and stitch. Projects allow students to understand the processes used in the creation of jewelry and textiles.</p>





ART

<p>ADVANCED PLACEMENT (AP) STUDIO ART - DRAWING CREDITS: 1 GRADES: 11, 12 LAUDE CLASS</p> <p>Successful completion of two credits of art.</p> 	<p>Advanced Placement Studio Art -- Drawing enables students to refine their skill and create artistic works to be submitted to the College Board for evaluation. Given the nature of the AP evaluation, the course emphasizes quality of work, attention to and exploration of a particular visual interest or problem, and breadth of experience in the formal, technical, and expressive aspects of drawing. Students explore representation, abstraction, and experimentation with a variety of drawing materials. Students are expected to provide and utilize a portfolio to present and preserve work and to check in on a scheduled basis. Materials and supplies beyond content curriculum items are the responsibility of the student, fee to the AP Board for portfolio submission is also the student responsibility.</p>
<p>ADVANCED PLACEMENT (AP) STUDIO ART - 2-D DESIGN CREDITS: 1 GRADES: 11, 12 LAUDE CLASS</p> <p>Successful completion of two credits of art.</p> 	<p>Advanced Placement Studio 2D Art – General Portfolio enables dedicated art students to refine their skills and create 2D works to be submitted to the College Board for evaluation. Evaluation will emphasize quality of work, attention to and exploration of a particular visual interest or problem, and breadth of experience in the formal, technical, and expressive aspects of the student’s art. Students are expected to provide and utilize a portfolio to present and preserve work and to check in on a scheduled basis. Materials and supplies beyond content curriculum items are the responsibility of the student, fee to the AP Board for portfolio submission is also the student responsibility.</p>
<p>ADVANCED PLACEMENT (AP) STUDIO ART - 3-D DESIGN CREDITS: 1 GRADES: 11, 12 LAUDE CLASS</p> <p>Successful completion of two credits of art.</p> 	<p>Advanced Placement Studio 3D Art – General Portfolio is designed for students with a serious interest in 3D art. Students create 3D works to be submitted to the College Board for evaluation. Evaluation will emphasize quality of work, attention to and exploration of a particular visual interest or problem, and breadth of experience in the formal, technical, and expressive aspects of the student’s art. Students are expected to provide and utilize a portfolio to present and preserve work and to check in on a scheduled basis. Materials and supplies beyond content curriculum items are the responsibility of the student, fee to the AP Board for portfolio submission is also the student responsibility.</p>

BUSINESS EDUCATION

<p>ACCOUNTING CREDITS: 1 GRADES: 10, 11, 12</p>	<p>Accounting introduces the fundamental accounting principles and procedures used in businesses. Content includes the full accounting cycle, payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students learn how to apply standard auditing principles and prepare budgets and final reports using automated tools.</p>
<p>ADVANCED ACCOUNTING CREDITS: 1 GRADES: 11, 12 Successful completion of Accounting or consent of instructor.</p>	<p>Advanced Accounting expands principles and procedures introduced in Accounting. There is a focus on both financial and managerial accounting with topics covered including financial reporting, cost-volume-profit analysis, accounting information system, sales and inventory, time value of money, fixed assets, long term liabilities and equity and financial statements. Spreadsheets, financial calculators and problem solving will be utilized.</p>
<p>ADVANCED MARKETING CREDITS: 0.5 GRADES: 11, 12 LAUDE CLASS Principles of marketing or instructor consent. Dual Credit - FVTC</p> 	<p>Advanced Marketing emphasizes product and service strategy, marketing strategy and research, advertising and promotion, pricing concepts and practices and distribution strategies. The course also covers modern marketing practices and the relationship of marketing to other business functions. Students are engaged with projects that allow them to explore technology and marketing strategies.</p>
<p>BUSINESS LAW CREDITS: 0.5 GRADES: 9, 10, 11, 12</p>	<p>Business Law emphasizes legal concepts that are relevant to business and business organizations. The course provides a thorough survey of the principles and practices of law with a focus on business, personal, and consumer issues. Students will analyze actual court cases as they explore topics such as contracts, sales agreements, consumerism, business relationships and personal agreements.</p>
<p>DESKTOP PUBLISHING CREDITS: 0.5 GRADES: 9, 10, 11, 12</p>	<p>Desktop Publishing integrates the knowledge and skills of word processing with the concepts, procedures and applications of desktop publishing. Students will use programs, specifically the Adobe Suite which includes Photoshop, InDesign and Illustrator to manipulate photographs and design and prepare pages for printing and publishing. Participants will create brochures, letterhead, newsletters, magazine covers and more.</p>
<p>FINANCIAL PLANNING CREDITS: 0.5 GRADES: 11,12 IND STUDY ONLINE COURSE LAUDE COURSE Dual Credit - FVTC</p> 	<p>Financial Planning fulfills the financial literacy requirement for graduation. Approaches planning from the perspective of an individual who applies specific financial concepts and principles to setting financial goals, choosing a career, budgeting and cash flow management. Topics include credit, income taxes, asset protection, investments, retirement and estate planning.</p>
<p>INTRODUCTION TO BUSINESS CREDITS: 0.5 GRADES: 9, 10, 11, 12</p>	<p>Introduction to Business allows the opportunity for students to develop an understanding of how business affects their everyday lives. Participants explore concepts such as business ownership, role of government in business, consumerism, ethics and social responsibility, management and entrepreneurship, finance, marketing, and career research.</p>





BUSINESS EDUCATION

<p>INTRODUCTION TO ENTREPRENEURSHIP CREDITS: 0.5 GRADES: 10, 11, 12 LAUDE CLASS Dual Credit - FVTC</p> 	<p>Introduction to Entrepreneurship provides students with opportunities to investigate, understand, and apply the process of choosing entrepreneurship as a career path. The student will evaluate the business skills and commitment necessary to successfully operate an entrepreneurial venture and review the challenges and rewards of entrepreneurship.</p>
<p>KEYBOARDING CREDITS: 0.5 GRADES: 9, 10, 11, 12</p>	<p>Keyboarding provides students with an introduction to the keyboard (letters, numbers, and symbols), and proper keystroke technique. As students progress, they improve speed and accuracy and produce complex documents such as letters, e-mails, memos and reports. This course aids students in developing keyboard proficiency, document production skills, and problem-solving.</p>
<p>MICROSOFT OFFICE CREDITS: 0.5 GRADES: 10, 11, 12 LAUDE CLASS Dual Credit - FVTC</p>  	<p>Microsoft Office is designed to prepare students for college and career by acquiring knowledge and experience in the proper and efficient use of the MS Office Suite. Participants will earn college credit through learning word processing, spreadsheet and presentation software most commonly used in life after high school.</p>
<p>PERSONAL FINANCE CREDITS: 0.5 GRADES: 11, 12</p>	<p>Personal Finance fulfills the financial literacy requirement for graduation. This course prepares students to understand how to apply financial knowledge, attitudes, and skills. Topics covered include behavioral economics, banking, careers, taxes, paying for college, types of credit, managing credit, investing, insurance and budgeting.</p>
<p>PHOTOGRAPHY CREDITS: 0.5 GRADES: 9, 10, 11, 12</p>	<p>Photography exposes students to the tools, materials, and processes involved in photography and careers in graphic arts. Participants work with digital photography to apply their skills to various projects.</p>
<p>PRINCIPLES OF MARKETING CREDITS: 0.5 GRADES: 9, 10, 11, 12</p>	<p>Principles of Marketing offers students insight into the process affecting the flow of goods and services from the producer to the consumer. General marketing principles such as marketing planning, free enterprise system, channels of distribution, selling, and the promotional mix are explored.</p>
<p>SCHOOL OF ENTERPRISE MARKETING - SEM CREDITS: 0.5 GRADES: 9, 10, 11, 12</p>	<p>School of Enterprise Marketing – offers a project-based learning opportunity for students to investigate areas of interest. Participants choose, plan, research, and complete academic study and hands-on projects that result in tangible products. Topics require students to develop skills in time management, teamwork, communication, project planning, self-assessment, problem solving, critical thinking, presentation, and meaningful applications of acquired knowledge.</p>
<p>WEB PAGE DESIGN CREDITS: 0.5 GRADES: 9, 10, 11, 12</p> 	<p>Web Page Design teaches students how to design web sites by introducing them to and refining their knowledge of site planning, page layout, graphic design, and the use of markup languages to develop and maintain a web page.</p>




BUSINESS EDUCATION

YEARBOOK PRODUCTION CREDITS: 0.5 GRADES: 10, 11, 12	Yearbook production exposes students to the manner in which photography is used to convey information and experiences. The course is a project-based class that allows students the opportunity to apply their art to journalistic endeavors as they plan and execute the layout of the high school yearbook. Students are responsible for all processes of the publication of the yearbook from setup to distribution. Priority will be given to upper classmen.
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CAREER AND TECHNICAL EDUCATION

2D DRAFTING AND PRINT READING CREDITS: 0.5 GRADES: 9, 10, 11, 12 LAUDE CLASS Dual Credit - FVTC 	2D Drafting and Print Reading class will learn basic operation of AutoCad Software which is used in a number of industries including manufacturing, law enforcement, engineering, architecture, printing and design. Students will also learn to read and interpret blueprints. Successful completion to FVTC standards will result in 1 credit toward both a Mechanical Design Degree and a Welding degree from FVTC. AutoCAD certified user certification may also be awarded to students based on exam performance. <i>*Safety glasses are required for this course.</i>
3D SOLID MODELING CREDITS: 0.5 GRADES: 9, 10, 11, 12 LAUDE CLASS Dual Credit - FVTC 	3D Solid Modeling class will learn basic operation of AutoDesk Inventor and Revit Software which is used in the manufacturing, engineering, and architecture industries. Students will also use modeling skills to run CNC (computer numerically controlled) equipment such as 3D printers, routers, water jets, and more. Successful completion to FVTC standards will result in 1 credit toward a Mechanical Design Degree. <i>*Safety glasses are required for this course.</i>
INTRO TO ELECTRONICS AND ELECTRICITY CREDITS: 0.5 GRADES: 9, 10, 11, 12 LAUDE CLASS Dual Credit - FVTC 	Intro to Electronics and Electricity offers instruction in the theory of electricity, terminology, skills, and safety procedures common to careers involving electricity and electronics. Topics include Ohm's Law, Series and Parallel Circuits, basic bread boarding electronics, Home Circuits and Wiring Motors and Introduction to Robotics. <i>Safety glasses are required for this course.</i>
INTRO TO POWER EQUIPMENT CREDITS: 0.5 GRADES: 9, 10, 11, 12 LAUDE CLASS Dual Credit - FVTC 	Intro to Power Equipment provides students with the opportunity to learn how to service and recondition small engines, emphasizing two and four-cycle engines. Students will troubleshoot and repair speed controls, lubrication, ignition, fuel power transfer, cooling, exhaust, and starting systems. They will use a variety of power tools and interpret service manuals and parts catalogs. Applications include lawn mowers, tractors, motorcycles, and chainsaws. Fees will be assessed for materials related to personal projects. <i>Safety glasses are required for this course.</i>

CAREER AND TECHNICAL EDUCATION

<p>ADVANCED POWER EQUIPMENT CREDITS: 0.5 GRADES: 10, 11, 12 Successful completion of Intro to Power Equipment or consent of instructor.</p>	<p>Advanced Power Equipment will build upon the fundamentals of Intro to Power Equipment, with added emphasis on mechanical/electrical troubleshooting and repair. Students will continue to learn more about two cycle/diesel engine operation and systems. Automotive maintenance and repair units will also be incorporated into the class. Students will have the opportunity to work on various types of automobiles and power equipment. Fees will be assessed for materials related to personal projects. *Safety glasses are required for this course.</p>
<p>INTRODUCTION TO METALWORKING CREDITS: 1 GRADES: 9, 10, 11, 12 LAUDE CLASS Dual Credit - FVTC  Knowledge That Works</p>	<p>Metalworking is designed to introduce students to basic areas in the metals trades including machine shop, welding, sheet metal, and CNC manufacturing. This course introduces students to safe operation of equipment and may result in 1 credit toward a welding degree from FVTC. Students will also develop planning, layout, and measurement skills while gaining experience in cutting, bending, and welding metal. This class is required for further study in Welding or Machining.</p>
<p>MACHINING CREDITS: 1 GRADES: 10, 11, 12 LAUDE CLASS Successful completion of Introduction to Metalworking or consent of instructor. Dual Credit - FVTC  Knowledge That Works</p>	<p>Machining is the second level course in the Machining sequence. Students will learn more advanced precision measurement techniques, learn to use additional features of familiar machine tools, and the fundamentals of machine tool operation while making various projects. Successful completion to FVTC standards will result in 3 credits toward a Machine Tool Degree. *Safety glasses are required for this course.</p>
<p>WELDING CREDITS: 1 GRADES: 10, 11, 12 LAUDE CLASS Successful completion of Introduction to Metalworking or consent of instructor. Dual Credit - FVTC  Knowledge That Works</p>	<p>Welding is the second level course in the welding sequence. Students will learn more advanced techniques and setup features of GMAW welding. They will also learn to interpret welding prints including symbols used in the industry. Successful completion to FVTC standards will result in 3 credits toward a welding degree. *Safety glasses are required for this course.</p>
<p>ADVANCED METAL PROCESSING/ PRODUCTION CREDITS: 1 GRADES: 11, 12 LAUDE CLASS Successful completion of Machining or Welding or consent of instructor.</p>	<p>Advanced Metal Processing/Production allows students the opportunity to study the properties of metals/metal alloys and use these materials to construct usable products. Participation in this course enables students to experience the process of translating an idea into a finished product. The process of planning, designing, selecting materials, and using tools and machines will be explored. Students are encouraged to have taken 2D Drafting or 3D Solid Modeling for this course. *Safety glasses are required for this course.</p>

CAREER AND TECHNICAL EDUCATION

<p>INVENT TO LEARN CREDITS: 1 GRADES: 9, 10, 11, 12 LAUDE CLASS Dual Credit - FVTC </p>	<p>Invent to learn is a Fox Valley Technical School Dual Credit course that involves the study of the design process. Using the design process students will learn how to solve various problems using the Inventor Lab. In this lab class, students will have the chance to use computer solid modeling skills, Computer Numeric Control (CNC) equipment, and Computer Aided Manufacturing (CAM) software to produce actual models of their designs. Students are encouraged to have taken 2D Drafting or 3D Solid Modeling. <i>*Safety glasses are required for this course.</i></p>
<p>INTRODUCTION TO ENGINEERING DESIGN CREDITS: 1 GRADES: 9, 10, 11, 12 LAUDE CLASS PLTW </p>	<p>Introduction to Engineering Design is a Project Lead the Way course that introduces students to the design process and the tools used in product development. Students learn through first-hand experience the activities that engineers engage in through the design cycle. Development of design briefs, sketching, 3D solid modeling and prototyping provide the foundation for activities in this course.</p>
<p>PRINCIPLES OF ENGINEERING CREDITS: 1 (Science Credit) GRADES: 10, 11, 12 LAUDE CLASS Successful completion of or concurrent enrollment in Introduction to Engineering Design, or consent of instructor. PLTW </p>	<p>Principles of Engineering is a Project Lead the Way course that provides students with an understanding of the engineering/technology field. Students explore how engineers use various technology systems and manufacturing processes to solve problems, document their work, and communicate solutions to peers and members of the professional community.</p>
<p>INTRO TO WOODWORKING CREDITS: 1 GRADES: 9, 10, 11, 12</p>	<p>Intro to Woodworking introduces students to the various kinds of woods used in the woodworking industry and offers experience using selected woodworking tools. Students design and construct projects, as well as develop skills to safely use the equipment and tools in the workshop. Students will become familiar with the various kinds of wood finishing materials. <i>*Safety glasses are required for this course.</i></p>
<p>INTRO TO CABINETMAKING CREDITS: 1 GRADES: 10, 11, 12 Successful completion of Intro to Woodworking or consent of instructor.</p>	<p>Intro to Cabinetmaking provides students with experience in constructing cases, cabinets, counters, and other interior woodwork. Students learn to distinguish between various types of furniture construction and their appropriate applications. They use woodworking machines and power tools for cutting and shaping wood. Cabinetmaking covers various methods of joining pieces of wood, how to pocket-screw joinery, and how to make and install a raised panel. Each student will produce a cabinet with a door, drawer, and shelf. <i>*Safety glasses and tape measure are required for this course.</i></p>



CAREER AND TECHNICAL EDUCATION

<p>ADVANCED CABINETMAKING CREDITS: 1 GRADES 11 & 12 Successful completion of Intro to Cabinetmaking or consent of instructor.</p>	<p>Advanced Cabinetmaking will focus on designing and building cabinetry. Students will create a design packet for each project built, that includes research, drawing, cut list, and bill of materials. The project may vary from student to student, there will be options for students that do not have a project to work on, such as community projects. Advanced Cabinetmaking covers many methods used in industry. Fees will be assessed for materials related to personal projects beyond required assignments. <i>*Safety glasses and tape measure are required for this course.</i></p>
<p>INTRO TO CONSTRUCTION CREDITS: 1 GRADES: 10, 11, 12 Successful completion of Intro to Woodworking or consent of instructor.</p>	<p>Intro to Construction provides information related to the building of wooden structures, enabling students to gain an understanding of wood grades and construction methods. Students learn to read blueprints, use tools and machines properly and safely, erect buildings from construction lumber, and perform finish work inside of buildings. Career exploration, good work habits, and employability skills are emphasized. <i>*Safety glasses and tape measure are required for this course.</i></p>
<p>ADVANCED CONSTRUCTION CREDITS: 1 GRADES: 11, 12 Successful completion of Intro to Construction or consent of instructor.</p>	<p>Advanced Construction provides students the opportunity to continue their work in the area of construction. Students will be exposed to safety regulations and building codes while primarily working on larger-scale construction projects. Students will also be involved in the design and bidding process. Fees will be assessed for materials related to personal projects beyond required projects. <i>*Safety glasses and tape measure are required for this course.</i></p>



CAREER DEVELOPMENT

<p>CAREER READINESS CREDITS: 0.5 GRADES: 10, 11, 12</p>	<p>Career Readiness will help students match their interests and aptitudes to career options with a focus on using employment information, composing job applications and resumes, acquiring and improving job-seeking and interview skills, and learning the skills needed to be successful and advance within the workplace. Students will be offered a variety of DWD approved certifications to choose from to prepare for their chosen industry.</p>
<p>WORKPLACE EXPERIENCE CREDITS: 1-2.5 GRADES: 11, 12 Successful completion or enrollment in Career Readiness.</p>	<p>Workplace Experience provides students with work experience in a field related to their interests.</p>
<p>SCHOOL OF ENTERPRISE MARKETING - SEM CREDITS: 0.5 GRADES: 9, 10, 11, 12</p>	<p>School of Enterprise Marketing – offers a project-based learning opportunity for students to investigate areas of interest. Participants choose, plan, research, and complete academic study and hands-on projects that result in tangible products. Topics require students to develop skills in time management, teamwork, communication, project planning, self-assessment, problem solving, critical thinking, presentation, and meaningful applications of acquired knowledge.</p>
<p>TEACHER'S AIDE CREDITS: 0.5 GRADES: 11, 12</p>	<p>This course offers students the opportunity to assist instructors in preparing, organizing, or enriching course curricula. Students may provide tutorial or instructional assistance to other students.</p>

CAREER DEVELOPMENT

<p>NURSING ASSISTANT CREDITS: 1 GRADES: 11, 12 LAUDE CLASS Offered in the Fall Dual Credit - FVTC</p> 	<p>This course offers students the opportunity to work toward certification as a Nursing Assistant with a partnership with Fox Valley Technical College. The Nursing Assistant course is offered through a partnership between New London High School and Fox Valley Technical College and adheres to state guidelines to allow students to train as a Nursing Assistant. To become a certified nursing assistant, the student must pass the State of Wisconsin Certification exam in both skills and written format. The following requirements must be fulfilled as part of the semester program hosted at New London High School. Class size is limited to 12 students. <i>See page 31 for all requirements.</i></p>
<p>YOUTH APPRENTICESHIP CREDITS: 0.5-3 GRADES: 11, 12 LAUDE CLASS</p> <p>Two semesters of related coursework and successful application process.</p>	<p>Youth Apprenticeship is a 1 or 2 year program that combines mentored, on-the-job learning with academic and technical classroom instruction. It opens doors for students by giving them the chance to “try out” a career area while experiencing an adult working environment. Students gain paid, hands-on learning with a business mentor, while completing classroom instruction related to the career area. If students choose to take a related course at Fox Valley Technical College, the YA program pays for class and book fees. You are selected for the program based on an interview with potential business partners and your application, which includes attendance and academic records. Positions are limited since everyone must have a business partner. Students are responsible for their own transportation. <i>See page 32 for all requirements.</i></p>
<p>AUTOMOTIVE MAINTENANCE AND LIGHT REPAIR CREDITS: 1-5 GRADES: 11,12 Dual Credit - FVTC</p> 	<p>See Description on page 33</p>
<p>VOCATIONAL READINESS RAWHIDE PARTNERSHIP</p>	<p>See Description on page 33</p>

COMPUTER SCIENCE

<p>EXPLORING COMPUTER SCIENCE CREDITS: 0.5 GRADES: 9, 10, 11, 12</p>	<p>Exploring Computer Science is a semester course consisting of 4 units. The course was developed around a framework of both computer science content and computational practice. Assignments and instruction are contextualized to be socially relevant and meaningful for diverse students. Units utilize a variety of tools/platforms, and culminate with final projects around the following topics: Relationships with Computers, Web Design, Programming, and Robotics.</p>
<p>GAME DESIGN CREDITS: 0.5 GRADES: 10, 11, 12 Successful completion of Exploring Computer Science or Introduction to Computer Programming.</p>	<p>The Game Design in Unity course teaches the fundamentals of designing a game using the most widely accessed and preferred editing engine in the world. The intent of this course is to prepare high school students with the industry related skills needed for the workplace and higher learning environments. By the end of this course, they will understand the design planning process, be knowledgeable of industry related careers, and be able to navigate the Unity environment in order to create 3D games.</p>
<p>INTRODUCTION TO COMPUTER PROGRAMMING CREDITS: 1 GRADES: 10, 11, 12 Successful completion of Exploring Computer Science or consent of the instructor.</p>	<p>This is a broad-based introductory class that uses the Snap! visual programming language to introduce you to computational thinking. The class transitions to text-based programming using beginner-friendly Python language in the second semester.</p>
<p>ADVANCED PLACEMENT (AP) COMPUTER SCIENCE PRINCIPLES CREDITS: 1 GRADES: 11, 12 LAUDE CLASS Successful completion of Algebra, suggested completion of Exploring Computer Science.</p> 	<p>AP Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. More than a traditional introduction to programming, it is a rigorous, engaging, and approachable course that explores many of the foundational ideas of computing so all students understand how these concepts are transforming the world we live in.</p>
<p>ADVANCED PLACEMENT (AP) COMPUTER SCIENCE A CREDITS: 1 GRADES: 11, 12 LAUDE CLASS Successful completion of Introduction to Computer Programming or consent of instructor.</p> 	<p>Advanced Placement Computer Science A is equivalent to the content of a first-semester college-level Computer Science course. AP Computer Science A uses the industry-standard Java programming language and introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. Completion of this course will prepare students to take the Advanced Placement Examination.</p>

HEALTH & PHYSICAL EDUCATION

*1.5 credit graduation requirement must be earned over three separate years.

<p>PHYSICAL EDUCATION FOUNDATIONS CREDITS: 0.5 GRADES: 9, 10, 11, 12</p>	<p>Physical Education Foundations provides students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreational sports, and fitness/ conditioning activities. The five components of fitness, six-skill related components, FitnessGram assessments, and goal setting will be integrated into the curriculum.</p>
<p>ADVENTURE I CREDITS: 0.5 GRADES: 10, 11, 12 Successful completion of Physical Education Foundations or Weight Training I.</p>	<p>Adventure I provides students with the knowledge, experience, and an opportunity to develop skills in outdoor recreational activities. Concepts of wilderness awareness in survival and environmental controls are introduced. Individual growth in cooperation, trust, self-concept, and self-esteem are challenged through group problem-solving exercises. Enrollment preference will be given to upper-classmen.</p>
<p>ADVENTURE II CREDITS: 0.5 GRADES: 11, 12 Successful completion of Adventure I or consent of instructor.</p>	<p>Adventure II advances students with the knowledge, experience, and an opportunity to develop skills in outdoor recreational activities. This course offers focus on a technical approach toward safe recreational practices in the outdoors and the enhancement of a philosophy for the environment which embraces wilderness preservation, care, and respect. Enrollment preference will be given to upper-classmen.</p>
<p>ADVENTURE III CREDITS: 0.5 GRADES: 12 Successful completion of Adventure II or consent of instructor.</p>	<p>Adventure III advances students with the knowledge, experience, and an opportunity to develop skills in outdoor recreational activities. This course offers a focus on a technical approach toward advanced wilderness travel, wilderness first aid, and advanced equipment care and maintenance.</p>
<p>HEALTH & FITNESS CREDITS: 0.5 GRADES: 9, 10, 11, 12 Successful completion of Physical Education Foundations or Weight Training I.</p>	<p>Health and Fitness will explore multiple fitness options for improved health, wellness, and athletic performance. The course will combine the principles of human nutrition, sports nutrition, active lifestyle fitness, and athletic performance conditioning methods. Fitness activities will include, but are not limited to, strength training, tabata, yoga, plyometrics, and heart rate monitor-based cardio training.</p>
<p>HEALTH EDUCATION - ONLINE CREDITS: 0.5 GRADES: 9, 10, 11, 12</p>	<p>Health Education provides a focus on nutrition, drug/alcohol abuse prevention, disease prevention, first aid, mental health, and issues of consumer health. Students enhance awareness of environmental health, personal development, and community resources. This course fulfills the health requirement for graduation if this requirement has not been met in middle school.</p>
<p>INDIVIDUAL & DUAL SPORTS CREDITS: 0.5 GRADES: 9, 10, 11, 12 Successful completion of Physical Education Foundations or Weight Training I.</p>	<p>Individual & Dual Sports provides students with knowledge, experience and an opportunity to develop skills in multiple individual or dual sports (i.e. badminton, pickleball, tennis, star ball, bowling, floor hockey, eclipse ball etc.). The five components of fitness, six skill related components, Fitness Gram assessments, and goal setting will be integrated into the curriculum.</p>


HEALTH & PHYSICAL EDUCATION

<p>RECREATION SPORTS CREDITS: 0.5 GRADES: 9, 10, 11, 12 Successful completion of Physical Education Foundations or Weight Training I.</p>	<p>Recreation Sports provides students with knowledge, experience and an opportunity to develop skills in more than one recreational sport or outdoor pursuit such as: NADA dodge ball, NASP archery, disc golf, ultimate frisbee, snowshoeing, cross-country skiing and road biking, among others. The five components of fitness, six skill-related components, Fitness Gram assessments, and goal setting will be integrated into the curriculum.</p>
<p>TEAM SPORTS CREDITS: 0.5 GRADES: 10, 11, 12 Successful completion of Physical Education Foundations or Weight Training I.</p>	<p>Team Sports provides students with knowledge, experience and an opportunity to develop skills in multiple team sports such as: softball, football, soccer, team handball, volleyball, basketball, floor hockey, among others. The five components of fitness, six-skill related components, Fitness Gram assessments, and goal setting will be integrated into the curriculum.</p>
<p>WEIGHT TRAINING I CREDITS: 0.5 GRADES: 9, 10, 11, 12</p>	<p>Weight Training 1 provides students with the knowledge and skills required to advance from universal machines to free weights while emphasizing safety and proper mechanics. Students will learn compound lifts and phase one of power lifting. This course includes agility, plyometrics, circuit training, traditional strength programming, anatomy, genetics, nutrition, and program design basics.</p>
<p>WEIGHT TRAINING II CREDITS: 0.5 GRADES: 10, 11, 12 Successful completion of Weight Training I.</p>	<p>Weight Training 2 increases the complexity of specific movement patterns designed to challenge students. Students will learn about varied resistance training, power rack training, power lifting and speed performance. Students will build on their knowledge of program design, calculate macronutrients and learn about supplements. The goal is to challenge oneself throughout this course.</p>
<p>WEIGHT TRAINING III CREDITS: 0.5 GRADES: 11, 12 Successful completion of Weight Training I and II.</p>	<p>Weight Training III is an advanced course for those who have a serious interest in strength training and athletic performance. This course will allow students to continue their learning of advanced strength and conditioning practices. Students will learn and explore the details of program design then create and implement programs based on their own goal for weight lifting and physical fitness.</p>



LANGUAGE ARTS

<p>ENGLISH LANGUAGE ARTS I CREDITS: 1 GRADES: 9</p>	<p>English I builds upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing to develop proficiency in reading and writing. The course includes the four aspects of language use: reading, writing, speaking, and listening. The course introduces and defines various genres of literature, with writing exercises often linked to reading selections.</p>
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LANGUAGE ARTS

<p>ENGLISH LANGUAGE ARTS I - HONORS CREDITS: 1 GRADES: 9</p>	<p>English Honors Courses (I and II) are aligned to the traditional English course and provide a supported vertical alignment to prepare for Advanced Placement Language and Composition and Advanced Placement Literature and Composition. These courses offer increased independent work, high level questioning and analysis, AP level independent reading, and analysis writing. The honors courses are not required prerequisites to enroll in AP Language or AP Literature or other honors courses. Teacher input, state and local assessment data, grades, and an application for approval may be used to manage numbers.</p>
<p>ENGLISH LANGUAGE ARTS II CREDITS: 1 GRADES: 10</p>	<p>In English/Language Arts II, students focus on multicultural literature, writing organization, and oral communication. Through reading various selections of multicultural literature, students practice comprehension, textual analysis, and vocabulary acquisition, in addition to organizing analysis, compare and contrast, and persuasive writing. Oral communication skills are sharpened through the presentation of several speeches. Further communication studies include interpersonal, intrapersonal, and nonverbal communication. The mastery of standards gained in English II form a solid foundation to build upon in subsequent English courses.</p>
<p>ENGLISH LANGUAGE ARTS II - HONORS CREDITS: 1 GRADES: 10</p>	<p>English Honors Courses (I and II) are aligned to the traditional English course and provide a supported vertical alignment to prepare for Advanced Placement Language and Composition and Advanced Placement Literature and Composition. These courses offer increased independent work, high level questioning and analysis, AP level independent reading, and analysis writing. The honors courses are not required prerequisites to enroll in AP Language or AP Literature or other honors courses. Teacher input, state and local assessment data, grades, and an application for approval may be used to manage numbers.</p>
<p>ENGLISH LANGUAGE ARTS III CREDITS: 1 GRADES: 11</p>	<p>English Language Arts III continues to develop students' writing skills, emphasizing clear, logical writing patterns and incorporating textual evidence. Students complete a variety of writing assignments including an MLA formatted research paper tied to American history. Attention is given to the study of grammar and sentence structure in an effort to strengthen writing skills and ACT performance.</p>
<p>ADVANCED PLACEMENT (AP) LANGUAGE AND COMPOSITION CREDITS: 1 GRADES: 11 LAUDE CLASS Pre-requisites: Completion of freshman and sophomore English courses.</p> 	<p>The AP English Language and Composition course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, students read and analyze rhetorical elements and their effects in nonfiction texts—including images as forms of text—from a range of disciplines and historical periods. Completion of this course will prepare students to take the Advanced Placement Examination; this course is recommended for students pursuing a college/university degree. Teacher input and an application for approval may be used to manage numbers.</p>


LANGUAGE ARTS

<p>ADVANCED PLACEMENT (AP) ENGLISH LITERATURE AND COMPOSITION CREDITS: 1 GRADES: 12 LAUDE CLASS</p> <p>Successful completion of 3 credits in English or consent of instructor.</p> 	<p>Advanced Placement English Literature and Composition enables students to develop critical skills for evaluating literature. Participants study language, character, action, and theme in works of recognized literary merit; enrich their understanding of connotation, metaphor, irony, syntax, and tone; and write a variety of literary analysis essays that examine poetry and prose. The course includes readings from the 16th Century to modern day texts. Completion of this course will prepare students to take the Advanced Placement Examination; this course is recommended for students pursuing a college/university degree. This course includes mandatory reading and online assignments over the summer.</p>
<p>CREATIVE WRITING CREDITS: 0.5 GRADES: 10, 11, 12</p>	<p>Creative Writing offers students the opportunity to develop and improve their technique and individual writing voice and style through journaling, poetry, short stories, personal narratives, and many other writing activities and projects. Students will write extensively while engaging in discussion and analysis of exemplary mentor texts that allow them to apply the concepts learned in class. The study of these works and the creation of their own pieces inspires students to meditate on the human condition and encourages them to form an appreciation of the writing craft.</p>
<p>LITERATURE WORKSHOP CREDITS: 0.5 GRADES: 10, 11, 12</p>	<p>Literature Workshop is a course where students create their own reading improvement plan. Students are expected to choose a variety of literary genres and texts to read as the work on reading skills and strategies such as vocabulary development and increasing reading comprehension. Students set reading goals and track their progress; they also write weekly to demonstrate comprehension and analysis skills.</p>
<p>MASS COMMUNICATIONS CREDITS: 0.5 GRADES: 11, 12</p>	<p>Mass Communication introduces students to various forms of media that are consumed by large audiences. The course produces the high school's daily news video and student interest segments, through which students strengthen their verbal communication and group organizational and interpersonal skills. They also learn and practice the process of media production through video filming and digital editing. Additionally, the course explores topics related to journalism, media consumption, and debate.</p>
<p>ORAL/ INTERPERSONAL COMMUNICATIONS CREDITS: 0.5 GRADES: 12 LAUDE CLASS</p> <p>Dual Credit - FVTC</p> 	<p>Oral/Interpersonal Communications focuses on developing various communication skills including speaking and listening. Students practice intrapersonal/interpersonal and nonverbal communication skills through oral presentations, group activities, and written projects. This course is recommended for students pursuing a technical college/university degree.</p>
<p>RESEARCH TECHNIQUES CREDITS: 0.5 GRADES: 12</p>	<p>Research Techniques prepares students to write research papers and/or technical reports. This course provides an emphasis on researching with the use of primary and secondary sources, organization of thoughts and resources, and writing in a persuasive or technical style. This course is recommended for students pursuing a technical college/university degree.</p>




LANGUAGE ARTS

<p>WRITTEN COMMUNICATIONS CREDITS: 0.5 GRADES: 12 LAUDE CLASS Dual Credit - FVTC</p> 	<p>Written Communications teaches the business writing process which includes prewriting, drafting, and revising. Through writing assignments, students analyze audience and purpose, research and organize ideas, and format and design documents based on subject matter and content. This course is recommended for students pursuing a technical college/university degree.</p>
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MATHEMATICS

<p>PRE-ALGEBRA CREDITS: 1 GRADES: 9, 10</p>	<p>Pre-Algebra is a required course for students identified as needing additional assistance in mastering foundational math skills. This intervention course prepares students for Algebra by covering a variety of topics such as properties of rational numbers, ratio, proportion, estimation, exponents and radicals, the rectangular coordinate system, sets and logic, formulas, and solving first-degree equations and inequalities. <i>Scientific calculator with fraction key (TI-30XII).</i></p>
<p>ALGEBRA CREDITS: 1 GRADES: 9, 10, 11</p>	<p>Algebra includes the study of properties and operations of the real number system; evaluation of rational algebraic expressions, solving and graphing inequalities; operations with and factoring of polynomials. Students will work extensively with equations. <i>Scientific calculator with fraction key (TI-30XII).</i></p>
<p>GEOMETRY CREDITS: 1 GRADES: 9, 10, 11, 12 Successful completion of Algebra or consent of instructor.</p>	<p>Geometry provides students an opportunity to learn about geometric structures of the world. Topics include properties of plane and solid figures; deductive methods of reasoning; the study of postulates, theorems, and proofs; concepts of congruence, similarity; and rules of angle measurement in triangles. <i>Scientific calculator with fraction key (TI-30XII).</i></p>
<p>ADVANCED ALGEBRA-TRIGONOMETRY CREDITS: 1 GRADES: 9, 10, 11, 12 Successful completion of Algebra and Geometry or concurrent enrollment in Geometry</p>	<p>This course integrates second year algebra and trigonometry. Advanced Algebra-Trigonometry provides an emphasis on teaching equation solving and its application to the solution of word problems. Trigonometric concepts are developed and applied to practical situations. <i>Scientific calculator with fraction key (TI-30XII).</i></p>
<p>PRE-CALCULUS (COLLEGE ALGEBRA AND TRIGONOMETRY WITH APPLICATIONS) CREDITS: 1 GRADES: 10, 11, 12 LAUDE CLASS Successful completion of Advanced Algebra-Trigonometry. Dual Credit - FVTC</p> 	<p>This course combines the study of trigonometry, elementary functions, analytic geometry, and math analysis topics as preparation for calculus. Topics include the study of complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions; and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; vectors; the polar coordinate system; conic sections; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity. <i>Graphing calculator (TI-84 Plus or TI-84 Plus CE (recommended model)).</i></p>

MATHEMATICS

<p>ADVANCED PLACEMENT (AP) CALCULUS AB CREDITS: 1 GRADES: 11, 12 LAUDE CLASS Successful completion of Pre-Calculus.</p> 	<p>Advanced Placement Calculus AB is equivalent to the content of college-level Calculus I. AP Calculus AB provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications. Completion of this course will prepare students to take the Advanced Placement Examination for AP Calculus AB. <i>Graphing calculator (TI-84 Plus or TI-84 Plus CE (recommended model)).</i></p>
<p>ADVANCED PLACEMENT (AP) CALCULUS BC CREDITS: 1 GRADES: 11, 12 LAUDE CLASS Successful completion of AP Calculus AB.</p> 	<p>Advanced Placement Calculus BC is equivalent to the content of college-level Calculus II. This course extends student learning and application of calculus. Completion of this course will prepare students to take the Advanced Placement Examination for AP Calculus BC. <i>Graphing calculator (TI-84 Plus or TI-84 Plus CE (recommended model)).</i></p>
<p>ADVANCED PLACEMENT (AP) STATISTICS CREDITS: 1 GRADES: 10, 11, 12 LAUDE CLASS Successful completion or enrollment in Algebra-Trigonometry or consent of instructor.</p> 	<p>Advanced Placement Statistics is equivalent to the content of an entry level college Statistics course. AP Statistics introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploratory data analysis of bivariate and univariate data, sampling and experimentation, probability, and inference. Completion of this course will prepare students to take the Advanced Placement Examination for AP Statistics. <i>Graphing calculator (TI-84 Plus or TI-84 Plus CE (recommended model)).</i></p>
<p>CONSUMER MATH-A CREDITS: 0.5 GRADES: 10, 11, 12</p>	<p>Consumer Math-A is a course that reinforces general math topics and applies these skills to consumer problems and situations. This course fulfills the financial literacy requirement for graduation. Students will develop an understanding of sources of income, principles of saving and investing, money management, consumer spending and use of credit. Personal Finance Literacy standards are highlighted. <i>Scientific calculator with fraction key (TI-30XI).</i></p>
<p>CONSUMER MATH-B CREDITS: 0.5 GRADES: 10, 11, 12 Successful completion of Consumer Math-A.</p>	<p>Consumer Math-B is a continuation of Consumer Math A. Project-based learning allows application to the understanding of sources of income, principles of saving and investing, money management, consumer spending and use of credit. Personal Finance and Literacy standards are highlighted. <i>Scientific calculator with fraction key (TI-30XI).</i></p>

MATHEMATICS

<p>COLLEGE MATH CREDITS: 0.5 GRADES: 11, 12 LAUDE CLASS</p> <p>Successful completion of Algebra and completion of Geometry along with consent from instructor. Dual Credit - FVTC</p> 	<p>College Mathematics is a Fox Valley Technical College Dual Credit course designed to review and develop fundamental concepts of mathematics in the areas of algebra, geometry, trigonometry, measurement and data. Special emphasis is placed on problem solving, critical thinking and logical reasoning, making connections, and using calculators. <i>Scientific calculator with fraction key (TI-30XI1).</i></p>
<p>COLLEGE TECH MATH 1 CREDITS: 1 GRADES: 12 LAUDE CLASS</p> <p>Successful completion of Advanced Algebra-Trigonometry along with consent from instructor. Dual Credit - FVTC</p> 	<p>College Technical Math I is a Fox Valley Technical College Dual Credit course that involves solving linear, quadratic, and rational equations; graphing; formula rearrangement; solving systems of equations; percents; proportions; measurement systems; computational geometry; right and oblique triangle trigonometry; trigonometric functions on the unit circle; and operations on polynomials. Emphasis will be on the application of skills to technical problems. This course is the equivalent of successful completion of College Technical Math 1A and College Technical Math 1B. <i>Scientific calculator with fraction key (TI-30XI1).</i></p>

MUSIC

<p>CONCERT BAND CREDITS: 1 GRADES: 9, 10</p>	<p>Concert Band is comprised of 9th and 10th grade musicians. This course develops students' techniques for playing brass, woodwind, and percussion instruments. Marching, concert, and music festival performances are a requirement of this course and provide an opportunity for application and enhancement of individual skills. <i>Cost: \$10.00 uniform cleaning fee, instrumental rental or ownership, students are required to furnish a pair of black dress shoes suitable for concert and marching performances. Travel fees related to special opportunities presented. \$100.00 school woodwind/brass rental and \$25.00 percussion rental fee.</i> Band members will be required to attend pull out lessons each quarter.</p>
<p>SYMPHONIC BAND CREDITS: 1 GRADES: 11, 12</p>	<p>Symphonic Band is comprised of 11th and 12th grade musicians. This course is designed to promote students' technique for playing brass, woodwind, and percussion instruments. Required performance opportunities include marching, concerts, school events, solo-ensemble, and full band music festivals. <i>Cost: \$10.00 uniform cleaning fee, instrumental rental or ownership, students are required to furnish a pair of black dress shoes suitable for concert and marching performances. Travel fees related to special opportunities presented. \$100.00 school woodwind/brass rental and \$25.00 percussion rental fee.</i> Band members will be required to attend pull out lessons each quarter.</p>


MUSIC

<p>JAZZ ENSEMBLE CREDITS: 1 GRADES: 9, 10, 11, 12 Student audition and enrollment in a large group music ensemble or consent of instructor.</p>	<p>Jazz Ensemble is intended to develop students' technique for playing brass, woodwind, percussion, and/or string instruments in small ensemble groups. Emphasis is placed on advanced levels of instrumental technique along with precision movement within the ensemble group. Participation in concerts, civic functions, festivals, trips, and concerts comprise required performances. Cost: <i>Competitive travel fees related to opportunities presented.</i></p>
<p>CONCERT CHOIR CREDITS: 1 GRADES: 9, 10</p>	<p>Concert Choir is comprised of 9th and 10th grade musicians. This course provides the opportunity to sing a variety of choral selections and is designed to develop vocal techniques and the ability to sing parts. Concert and music festival performance is a requirement of this course and provides an opportunity for application and enhancement of individual skills. Choir members will be required to attend pull-out lessons each quarter.</p>
<p>CHAMBER CHOIR CREDITS: 1 GRADES: 11, 12</p>	<p>Chamber Choir is comprised of 11th and 12th grade musicians. This course is designed for students to enhance vocal style and technique and the ability to sing parts. Students are provided the opportunity for voice lessons. Participation in concerts, solo-ensemble, and choral festivals comprise required performances. Choir members will be required to attend pull out lessons each quarter.</p>
<p>DRAMA CREDITS: 0.5 GRADES: 9, 10, 11, 12</p>	<p>Drama is intended to develop students' experience and skill in one or more aspects of theatrical production including an overview of acting, set design, stage design, stage management, and overall production of an event.</p>
<p>SHOW CHOIR CREDITS: 1 GRADES: 9, 10, 11, 12 Current enrollment in choir is required or consent of the instructor.</p>	<p>Show Choir is intended to develop vocal techniques and the ability to sing parts within an ensemble. Emphasis is placed on advanced levels of vocal technique along with precision movement within the choral group. Participation in concerts, civic functions, festivals, trips, and concerts comprise required performances. <i>There is a flat fee cost associated with the course.</i></p>
<p>MUSIC HISTORY/ APPRECIATION CREDITS: 0.5 GRADES: 9, 10, 11, 12</p>	<p>Music Appreciation surveys a variety of musical styles and periods with the intent of increasing students' enjoyment of musical styles and/or developing their artistic or technical judgment. This course provides students the opportunity to explore the world of music and to develop an understanding of the importance of music throughout history and in their lives.</p>
<p>HISTORY OF ROCK & ROLL I CREDITS: 0.5 GRADES 9, 10, 11,12</p>	<p>Students will learn where rock/pop music started, how it emerged and evolved, its highs and lows, its outlaws and visionaries, and how it changed social history. Students will get a chance to explore many of the revolutionary artists who defined rock 'n' roll, as well as the one hit wonders in genres from rockabilly to psychedelia, and doo-wop to classic rock. This is a listening intensive course along with an organized note taking strategy. Part of the work will be to develop critical listening skills. History of Rock and Roll I will cover the beginning through the 1970's.</p>
<p>HISTORY OF ROCK & ROLL II CREDITS: 0.5 GRADES 9, 10, 11,12 Successful completion of History of Rock & Roll 1.</p>	<p>Students will continue to learn where rock/pop music from the transitional 70's to the 80's started, and then how it grew through MTV, serious stage shows, international tours, as it creates a mainstay for social history. Heavy Metal, punk, one hit wonders, girl rock bands, boy bands, garage, new wave and many more styles are covered. This is a listening intensive course along with an organized note taking strategy. Part of the work will be to develop critical listening skills. History of Rock & Roll will cover the 70's to the present time.</p>




MUSIC

MUSIC THEORY CREDITS: 0.5 GRADES: 10, 11, 12	Music Theory provides students with an understanding of the fundamentals of music and allows students to further explore composition, arrangement, analysis, aural development, and sight reading.
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SCIENCE

ANATOMY AND PHYSIOLOGY CREDITS: 1 GRADES: 10, 11, 12	Anatomy and Physiology presents the human body and biological systems in detail. Students learn anatomical terminology, study cells and tissues, and explore functional systems (integumentary, skeletal, muscular, nervous, somatic and special senses, endocrine, digestive, respiratory, blood, cardiovascular, lymphatic, urinary, and reproductive).
BIOLOGY CREDITS: 1 GRADES: 9	Biology is designed to provide information regarding the fundamental concepts of life and life processes. Topics include cell structure and function, general plant and animal physiology, genetics and taxonomy.
ENVIRONMENTAL SCIENCE CREDITS: 1 GRADES: 11, 12	Environmental Science examines the mutual relationships between organisms and their environment. Students will explore the interrelationships among plants, animals, and humans. Topics include ecosystems, population and growth studies, biomes and water resource, conservation, and alternative energies.
CHEMISTRY CREDITS: 1 GRADES: 10, 11, 12	Chemistry involves studying the composition, properties, and reactions of substances. Students will explore several topics: behaviors of solids, liquids, and gases; acid/base and oxidation/reduction reactions; and atomic structure. Chemical formulas and equations and nuclear reactions are also studied. <i>Scientific calculator with fraction key (TI-30XI1).</i>
ADVANCED PLACEMENT (AP) CHEMISTRY CREDITS: 1 GRADES: 10, 11, 12 LAUDE CLASS Successful completion of Chemistry or permission from the instructor. 	AP Chemistry is designed by the College Board to parallel college-level chemistry. Topics covered may include atomic theory and structure; chemical bonding; nuclear chemistry; states of matter; and reactions (stoichiometry, equilibrium, kinetics, and thermodynamics). AP Chemistry laboratories are equivalent to those of typical college courses. Completion of this course will prepare students to take the Advanced Placement Examination for AP Chemistry. <i>Scientific calculator with fraction key (TI-30XI1).</i>
GENERAL SCIENCE CREDITS: 1 GRADES: 9, 10	General scientific concepts are explored, as are the principles underlying the scientific method and experimentation techniques. This is a Basic or Remedial course.
PHYSICS CREDITS: 1 GRADES: 10, 11, 12	Physics involves the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics includes the examination of sound, light, and magnetic and electric phenomena. <i>Scientific calculator with fraction key (TI-30XI1).</i>




SCIENCE

<p>ADVANCED PLACEMENT (AP) PHYSICS C: MECHANICS CREDITS: 1 GRADES: 10, 11, 12 LAUDE CLASS</p> 	<p>AP Physics C is designed by the College Board to parallel college-level physics classes that serve as a partial foundation for science or engineering majors. The course focuses on two areas: 1. Mechanics and 2. Electricity and magnetism with approximately equal emphasis on these two areas. The course is more intensive and analytical than AP Physics B and requires the use of calculus to solve the problems posed.</p> <p><i>Scientific calculator with fraction key (TI-30XI1).</i></p>
<p>PRINCIPLES OF ENGINEERING CREDITS: 1 GRADES: 10, 11, 12 LAUDE CLASS</p> <p>Successful completion of or concurrent enrollment in Introduction to Engineering Design, or consent of instructor.</p> <p>PLTW</p> 	<p>Principles of Engineering is a Project Lead the Way course that provides students with an understanding of the engineering/technology field. Students explore how engineers use various technology systems and manufacturing processes to solve problems, document their work, and communicate solutions to peers and members of the professional community.</p>
<p>VETERINARY SCIENCE CREDITS: 1 GRADES: 10, 11, 12</p> <p>Successful completion of Biology.</p>	<p>From the heart muscle to the hoof and paw, students will be hands-on in relation to caring and treating domesticated animals of large and small size. Students will experience scenarios and activities very similar to that of an actual veterinary clinic setting. Discussions will include safety, restraints, vet terminology, physical make-up of animals, procedures in examining animals, hospital procedures, surgery, body systems and management of animals. Students will gain many skills as they work with live animals as well as completing dissections working with many internal parts of animals. Students will be able to properly handle dogs, cats and other small animals without harming them, give vaccines, draw blood, describe the major systems in a body and perform clinical exams and hospital procedures. There will be many hands-on labs, guest speakers and possible field trips during the semester.</p>
<p>PRINCIPLES OF BIOMEDICAL SCIENCES CREDITS: 1 GRADES: 9, 10, 11, 12 LAUDE CLASS</p> <p>Successful completion or concurrent enrollment in Biology or consent of instructor.</p> <p>PLTW</p> 	<p>Principles of Biomedical Sciences provides an overview of all the courses in the Biomedical Science program and lays the scientific foundation for subsequent PLTW courses. Students investigate the human body systems and various health conditions including infectious diseases. Participants determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life. Activities and projects introduce students to human physiology, medicine, and research processes. Lab manual required each semester and can be purchased from the main office.</p>

SCIENCE

<p>HUMAN BODY SYSTEMS CREDITS: 1 GRADES: 10, 11, 12 LAUDE CLASS</p> <p>Successful completion or concurrent enrollment in Principles of Biomedical Sciences or consent of instructor. PLTW</p> 	<p>Students examine the interactions of human body systems as they explore identity, communication, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases and often play the roles of biomedical professionals to solve medical mysteries. Lab manual required each semester and can be purchased from the main office.</p>
<p>MEDICAL INTERVENTION CREDITS:1 GRADES 10, 11, 12 LAUDE CLASS</p> <p>Successful completion or concurrent enrollment in Human Body Systems or consent of instructor. PLTW</p> 	<p>Students study the variety of medical interventions involved in the prevention, diagnosis, and treatment of disease as they follow the lives of a fictitious family. Student projects investigate interventions related to diagnostics, immunology, surgery, genetics, pharmacology, medical devices, and lifestyle choices. Lab manual required each semester and can be purchased from the main office.</p>
<p>BIOMEDICAL INNOVATIONS CREDITS: 1 GRADES: 11, 12 LAUDE CLASS</p> <p>Successful completion or concurrent enrollment in Medical Interventions or consent of instructor. PLTW</p> 	<p>Students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. They have the opportunity to work on an independent design project with a mentor or advisor from a university, medical facility, or research institution.</p>
<p>MEDICAL TERMINOLOGY CREDITS: 0.5 GRADES: 11, 12 LAUDE CLASS</p> <p>Dual Credit - FVTC</p> 	<p>Medical Terminology focuses on the component parts of medical terms: prefixes, suffixes, and root words. Students practice formation, analysis and reconstruction of terms. Introduction to operative diagnostic, therapeutic, and symptomatic terminology of all body systems as well as systematic and surgical terminology will be covered. This course will be facilitated in a hybrid model with online curriculum and face to face discussions, and assessments.</p>


SOCIAL SCIENCES

<p>AMERICAN GOVERNMENT CREDITS: 1 GRADES: 11, 12</p>	<p>American Government is a course that allows students to master an understanding of the structure, function, and powers of government, as well as the rights and responsibilities of citizens. Students will develop an appreciation for the value of citizenship and civic participation as they learn and apply the principles and beliefs upon which the United States was founded.</p>
<p>ADVANCED PLACEMENT (AP) U.S. GOVERNMENT AND POLITICS CREDITS: 1 GRADES: 11, 12 LAUDE CLASS</p> 	<p>AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they will complete a political science research or applied civics project.</p>
<p>GLOBAL STUDIES CREDITS: 1 GRADES: 9, 10, 11, 12</p>	<p>Global Studies provides students with an overview of geography, population, migration, folk & popular culture, language, religion, political geography, food & agriculture, development, industry & services, and resource issues. Current events and issues will be examined.</p>
<p>U.S. HISTORY (1860-PRESENT) CREDITS: 1 GRADES: 10, 11, 12</p>	<p>U.S. History (1860-Present) provides students with an overview of the history of the United States, examining time periods from post-Civil War/ Reconstruction through the present time. Students will learn and apply historical thinking skills to the political, economic and social development of the United States.</p>
<p>ADVANCED PLACEMENT (AP) U.S. HISTORY CREDITS: 1 GRADES: 10, 11, 12 LAUDE CLASS</p> 	<p>AP U.S. History is designed to parallel college-level U.S. History courses. AP U.S. History provides students with the analytical skills and factual knowledge necessary to address critical problems in U.S. history. Students learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. This course examines the discovery and settlement of the New World through the recent past. Completion of this course will prepare students to take the Advanced Placement Examination.</p>
<p>PSYCHOLOGY CREDITS: 0.5 GRADES: 10, 11, 12</p>	<p>Psychology introduces students to the field of psychology through a study of individual human behavior. Students explore human growth and development, learning, personality, and psychological disorders.</p>
<p>ADVANCED PLACEMENT (AP) PSYCHOLOGY CREDITS: 1 GRADES: 12 LAUDE CLASS</p> 	<p>The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatments of psychological disorders, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, evaluate claims and evidence, and effectively communicate ideas.</p>

SOCIAL SCIENCES

SOCIOLOGY CREDITS: 0.5 GRADES: 10, 11, 12	Introduction to Sociology is a social science course designed to introduce students to the basic concepts of sociology: culture, socialization, social stratification, multiculturalism, and the five institutions, including family, government, economics, religion, and education. Other topics include demography, deviance, technology, environment, social issues, social change, social organization, and workplace issues.
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WORLD LANGUAGE

SPANISH I CREDITS: 1 GRADES: 9, 10, 11, 12	Spanish I will introduce students to the Spanish language and culture. Spanish I emphasizes basic grammar, simple vocabulary, and pronunciation so that students can read, write, speak, and understand the language at a basic level within predictable areas of need.
SPANISH II CREDITS: 1 GRADES: 9, 10, 11, 12 Successful completion of Spanish I.	Spanish II builds upon skills developed in Spanish I, extending students' ability to read, write, speak and understand the language about familiar topics.
SPANISH III CREDITS: 1 GRADES: 10, 11, 12 Successful completion of Spanish II.	Spanish III provides the opportunity for students to express themselves with a situational focus both verbally and in writing. Listening and reading comprehension of authentic text will also be a focus.
SPANISH IV CREDITS: 1 GRADES: 11, 12 Successful completion of Spanish III.	Spanish IV focuses on advancing students' skills and abilities to read, write, speak, and understand the Spanish language so that they can communicate about trending topics. Listening and reading comprehension of authentic text will be an increased focus.
SPANISH V CREDITS: 1 GRADES: 11, 12 LAUDE CLASS Successful completion of Spanish IV. Dual Credit - UWGB 	Spanish V extends student learning through the application of reading, writing, speaking and understanding of relevant and diverse topics. Students will enrich their learning with the ever increasing focus of authentic texts. This course parallels college level Spanish 202 and may be taken for dual credit. <i>Purchasing the Dual Credit is an option and not required.</i>

NEW LONDON HIGH SCHOOL

ADVANCED PLACEMENT (AP) COURSES



Advanced Placement (AP) courses offer students the opportunity to complete college-level work while still in high school. AP classes are available to qualified, academically oriented students. Upon completion of the AP course, students may take a nationally administered examination in May. According to their performance on the examination, students may receive college credit for each examination they take which is accepted at most colleges and universities. Fees related to the assessment are the responsibility of the student.

Course descriptions for each of the AP courses can also be found under each department.

ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION

1 credit..... Grades: 11, 12

ADVANCED PLACEMENT LANGUAGE AND COMPOSITION

1 credit..... Grade: 11

ADVANCED PLACEMENT CALCULUS AB

1 credit..... Grades: 11, 12

ADVANCED PLACEMENT CALCULUS BC

1 credit..... Grades: 11, 12

ADVANCED PLACEMENT COMPUTER SCIENCE A

1 credit..... Grades 11, 12

ADVANCED PLACEMENT STATISTICS

1 credit..... Grades: 10, 11, 12

ADVANCED PLACEMENT CHEMISTRY

1 credit..... Grades: 11, 12

ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES

1 credit..... Grades: 11, 12

ADVANCED PLACEMENT PHYSICS C: MECHANICS

1 credit..... Grades: 11, 12

ADVANCED PLACEMENT PSYCHOLOGY

1 credit..... Grade: 12

ADVANCED PLACEMENT U.S. GOVERNMENT

1 credit..... Grades: 11, 12

ADVANCED PLACEMENT STUDIO ART – DRAWING

1 credit..... Grades: 11, 12

ADVANCED PLACEMENT STUDIO ART – 2-D DESIGN

1 credit..... Grades: 10, 11, 12

ADVANCED PLACEMENT STUDIO ART – 3-D DESIGN

1 credit..... Grades: 11, 12

NURSING ASSISTANT



NURSING ASSISTANT DUAL CREDIT OPPORTUNITY

14051E 1 credit.....Grades: 11, 12

OFFERED IN THE FALL SEMESTER

This course offers students the opportunity to work toward certification as a Nursing Assistant with a partnership with Fox Valley Technical College. The Nursing Assistant course is offered through a partnership between New London High School and Fox Valley Technical College and adheres to state guidelines to allow students to train as a Nursing Assistant. To become a certified nursing assistant, the student must pass the State of Wisconsin Certification exam in both skills and written format. The following requirements must be fulfilled as part of the semester program hosted at New London High School. Class size is limited to 12 students.

* Students must :

- Complete all of the required paperwork, purchase needed supplies, and make all required payments (except for the exam fee) prior to beginning class. These fees are based on the 2022 amount and are subject to change.
 - \$75.00 Application Fee
 - a. Includes background check
 - b. Viewpoint (The FVTC system that paperwork is uploaded too)
 - c. Application to FVTC
 - Healthwork
 - a. Two-step TB Skin Test
 - b. Influenza Vaccine
 - c. Covid Vaccines
 - Uniform (top, bottom, shoes)
 - Watch with second hand
 - Pearson View Exam for certification (cost is \$125.00-subject to change)
 - Maintain a 78% or higher on all unit exams and end of course exam to receive 3 credits from FVTC.
 - Attend 40 hours of independent study at school under the supervision of an instructor.
 - Complete 50.5 hours of laboratory and advanced skills
 - Complete 29.5 hours of clinical work as scheduled.
 - **Attendance is mandatory at all labs and clinicals.**

Students participating in this program will be responsible for their own transportation to off-site laboratory and clinical.

If a student receives a failing grade, fails to complete (drops) a course, or does not complete the Pearson Vue Exam for certification for which the District has made payment, the Board of Education may request reimbursement for all costs related to this course. Reimbursement will be requested from the student if he/she is an adult or from the student's parent or guardian.

Enrollment in this program is limited to Junior and Senior students. If you are interested in enrolling, please see the counseling office to request an application to be added to the waiting list.

Students who successfully complete this program as a Junior or Senior, may apply to be a Youth Apprentice over the summer and through their senior year.



YOUTH APPRENTICESHIP



YOUTH APPRENTICESHIP

0.5 – 3 creditsGrades: 11, 12

Prerequisite: Two semesters of related coursework and successful application process.

Youth Apprenticeship courses are designed around the Wisconsin Youth Apprenticeship Program and can be scheduled in a one or two year program. Worksite placement will be based on the interest and ability of the student within the agriculture or manufacturing industry. At these worksites the student must be paid and work a total of 450 hours per year. Students are allowed to leave for two periods of the day to work at this jobsite. The student must fill out the district and state application to be enrolled, along with completing relevant courses in the youth apprenticeship area. The student, employer, and instructor will complete competency checklists to make sure all requirements are met. Upon completion of this program students will be awarded a certificate from the Department of Workforce Development.

Youth Apprenticeship coursework is offered in the following areas: Agriculture, Food, & Natural Resources; Architecture & Construction; Art, A/V Technology & Communications; Finance; Health Science; Hospitality & Tourism; Information Technology; Manufacturing; Science, Technology, Engineering, & Math; and Transportation, Distribution, & Logistics.

Please see a school counselor for more information on applying to the Youth Apprenticeship program.

WHAT IS THE YA PROGRAM?

Youth Apprenticeship (YA) integrates school-based and work-based learning to instruct students in employability and occupational skills defined by Wisconsin industries. Local programs provide training based on statewide youth apprenticeship curriculum guidelines, endorsed by business and industry. Students are instructed by qualified teachers and skilled worksite mentors. Students are simultaneously enrolled in academic classes to meet high school graduation requirements, in a youth apprenticeship related instruction class, and are employed by a participating employer under the supervision of a skilled mentor.

PROGRAM FRAMEWORK

- Key elements of the youth apprenticeship program are: Industry-developed skill standards
- Exposure to multiple aspects of the industry
- Skilled mentors assigned to train the students
- Paid on-the-job work experience
- Related classroom instruction concurrent with work-based learning
- Curriculum guidelines for all programs
- Performance evaluation of demonstrated competencies
- State-issued skill certificate

EARLY COLLEGE CREDIT PROGRAM

The Early College Credit Program allows public high school juniors and seniors who meet specific requirements to take post-secondary courses at a UW institution, a Wisconsin technical college, or one of the state's participating private, non-profit institutions of higher education. A maximum of 18 post-secondary credits may be earned between a student's junior and senior year. The deadline for application for the fall semester is March 1 and for the spring semester is October 1.

Please see a school counselor for more information on applying to the Early College Credit Program.

AUTOMOTIVE MAINTENANCE AND LIGHT REPAIR

This certificate and technical diploma program will provide career exploration opportunities for high-school juniors or seniors, who have an interest in pursuing a career in this hands-on, high-demand industry but who may not have the option of coursework at their high school.

This program will allow students the chance to gain critical experience leading too:

- Accelerated entry into Automotive Technology, with exposure to Collision Repair & Diesel Technology programs.
- Training in State-of-the-art automotive technology labs and ASE certified instructors.
- Development of critical industry professionalism and work experience skills.
- High School Cohort sections.

Student will attend FVTC two days a week during the morning. The other days of the week will be spent at an internship placement.

Students interested should inform their school counselor. Space is limited.



VOCATIONAL READINESS RAWHIDE PARTNERSHIP

- Available to Junior and Senior Students.
- Classes taken on the Rawhide Campus
- 2 academic hours each day that will result in 1.0 credit earned for the semester class
- Transportation provided
- Student interested should inform their school counselor. Space is limited

NATIONAL RESTAURANT ASSOCIATION CULINARY SKILLS CLASS (DUAL CREDIT/LAUDE CLASS)

Course will include hands-on food prep labs and students will graduate with 6 certifications from the National Restaurant Association.



THE FOUNDATION AUTOMOTIVE SKILLS CLASS

Utilizes Wisconsin Auto & Truck Dealer's Association's CARS Auto Courses. Auto 1 and Auto 2.

DUAL CREDIT OPTIONS



UNIVERSITY of WISCONSIN
GREEN BAY

Dual Credit courses are made possible through our partnerships with post-secondary institutions. They are taught by a high school instructor; however, they are considered college-level courses due to the advanced level of the curriculum. In courses that offer dual credit, the grading criteria is connected to the requirements of the high school, as well as, the partnering school. Students who successfully meet the requirements of both the high school and the partnering post-secondary school, will receive credit at both institutions. It is the responsibility of the student to confirm how the credit may transfer into their desired post-secondary school, as this often changes from year to year.

AGRICULTURE

Animal Science 1 credit..... Grades : 9,10,11,12

BUSINESS

Microsoft Office 0.5 credit..... Grades: 10, 11, 12

Introduction to Entrepreneurship 0.5 credit..... Grades: 10, 11, 12

Advanced Marketing 0.5 credit..... Grades: 11, 12

DECA Leadership 0 credit..... Grades: 11, 12

Financial Planning 0.5 credit..... Grades: 11,12

CAREER DEVELOPMENT

Medical Terminology 0.5 credit..... Grades: 11, 12

Nursing Assistant 1 credit..... Grades: 11, 12

Culinary Skills Class 1 credit..... Grades: 11, 12

ENGLISH LANGUAGE ARTS

Oral/Interpersonal Communications 0.5 credit..... Grade: 12

Written Communications 0.5 credit..... Grade: 12

MATHEMATICS

College Math 0.5 credit..... Grade: 11, 12

College Tech Math 1 1 credit..... Grade: 12

Pre-Calculus (College Algebra and Trigonometry with Applications) 1 credit..... Grade: 10,11,12

SPANISH

Spanish V 1 credit..... Grade: 12

TECHNOLOGY EDUCATION

Intro to Power Equipment 0.5 credit..... Grades: 9, 10, 11, 12

Intro to Metalworking 1 credit Grades: 9, 10, 11, 12

2D Drafting and Print Reading 0.5 credit..... Grades: 9, 10, 11, 12

3D Solid Modeling 0.5 credit..... Grades: 9, 10, 11, 12

Introduction of Electricity 0.5 credit..... Grades: 9, 10, 11, 12

Invent to Learn 1 credit..... Grades: 9, 10, 11, 12

Welding 1 credit..... Grades: 10, 11, 12

Machining 1 credit..... Grades: 10, 11, 12

PROJECT LEAD THE WAY



The School District of New London is nationally certified in the PLTW Pathway to Engineering and Biomedical Sciences programs, which provide opportunity for students to receive university credit for completing the specific requirements of these courses.

Course descriptions for each of the Project Lead the Way courses can be found under each department.

THE PLTW BIOMEDICAL SCIENCES (BMS) PROGRAM allows students to explore the concepts of human medicine through topics such as physiology, genetics, microbiology and public health. The sequence of high school courses in the PLTW Biomedical Sciences program includes: Principles of Biomedical Sciences, Human Body Systems, and Medical Interventions, Biomedical Innovation.

Principles of Biomedical Sciences	1 credit.....	Grades: 9, 10, 11, 12
Human Body Systems	1 credit.....	Grades: 10, 11, 12
Medical Interventions	1 credit.....	Grades: 10, 11, 12
Biomedical Innovations	1 credit.....	Grades: 11, 12

PROJECT LEAD THE WAY'S (PLTW) PATHWAY TO ENGINEERING curriculum is a pre-engineering program which is designed as a four-year high school sequence. Which, when combined with college preparatory math and science courses, introduces students to the scope, rigor and discipline for engineering and engineering technology prior to entering college. Courses include: Introduction to Engineering Design, Principles of Engineering, Computer Integrated Manufacturing, and Civil Engineering and Architecture.

Introduction to Engineering Design	1 credit.....	Grades: 9, 10, 11, 12
Principles of Engineering	1 credit.....	Grades: 10, 11, 12

CHARTER SCHOOLS AND PROGRAMS



NEXT GENERATION ACADEMY is a blended learning program that offers a hybrid of traditional and online platforms. Personalization is foundational to the Next Generation Academy, providing students and families opportunities to actively participate in the development of the student's unique educational plan.

The **SCHOOL OF ENTERPRISE MARKETING** provides students the opportunity to design their own units of study with an emphasis on career development and business leadership.

The **CATALYST ACADEMY** provides options for students who may benefit from an alternative curriculum and learning environment as well as opportunities for career exploration. Students interested in attending School District of New London Charter schools should contact their principal or school counselor.

SKYWARD SCHEDULING PROCESS:

1. Students must have their Skyward login ID and password (*family login will not work*).
If you need this information, please contact the Student Services Center at your student's school.
2. Please access the School District of New London site www.newlondon.k12.wi.us
3. Click on the '**For Students**' tab at the top of the page.
4. Click on the '**Skyward**' link in the drop down box.
5. Log in to skyward using the student's **Login ID** and **Password**.
6. On the left side of the screen, choose the tab that says '**Schedule**'.
7. Choose "**View Available Courses for 2024-2025 school year**" at the top of the page.
8. On the next screen, please note that you are in the '**request courses**' area.
9. On the left hand side you will see the "**Available Courses for 2024-2025 school year**" listed and can scroll through these options.
10. On the right hand side, you will see '**Selected Courses**'.
11. Click to highlight the course you want on the left side, then click the '**add course**' tab in the middle of the screen. Courses added will move to the right side under '**selected courses**'.
12. All students must register for a minimum of 6.0 credits total. As you are selecting courses, the number of credits you are registering for can be found in the upper right hand side of the screen next to '**total credits**'.
13. If a course is listed twice, it is a year long course and you **must select both options**.
If a course is listed once, it is a semester only course.
14. If you are interested in having a study hall for the full year, register for 6.0 credits total. If you are interested in having a study hall for one semester of the year register for 6.5 credits total. If you are not interested in a study hall, register for 7.0 credits total. Students can register for a **maximum of 8.0 credits**; this would include an Early Bird course.
15. Once you have scheduled your requested courses (which must be a minimum of 6.0 credits), please select the '**Request Alternates**' tab at the top of the screen. Alternate courses are courses that students must select in the event their requested courses are unable to be scheduled for. For example, a course is cancelled due to low enrollment.
16. A **maximum of 6 alternative courses** can be selected. All students however must register for a **minimum of 3 alternative courses**. These courses must be 3 different courses.
17. When selecting alternative courses, you will notice that they will be listed above the requested courses and can be recognized by the number assigned to them. Using the arrows denoted, you can change the rank of the alternative courses in order of preference. 1 being of highest preference.
18. If you select a course and then decide you no longer want the course, click to highlight the course in the '**Selected Courses**' column and click the '**Remove Course**' tab in the middle of the screen.
19. Skyward will automatically save your course requests and alternates. There is no 'submit' button.
Closing out of the window automatically saves your requests and alternates.

**If you have any questions or concerns with the scheduling process,
please contact your students school.**