



Chippewa Valley Schools
19120 Cass Avenue
Clinton Township, MI 48038

L'Anse Creuse Public Schools

AUTO COLLISION & REFINISHING I and II

This approved NATEF / ASE / AYES (National Automotive Technicians Education Foundation/Automotive Service Excellence/Automotive Youth Education Systems) program teaches students the fundamentals of auto collision repair and refinishing. It also includes instruction on damage repair and metal finishing, paint preparation, welding, surface preparation and refinishing. Students will also have the opportunity to learn basic estimating and cost analysis. This program is certified by the following organizations: NATEF (National Automotive Technicians Education Foundation) Certified Program AYES (Automotive Youth Education System) Certified Program connected through the Detroit Automotive Dealers Association (D.A.D.A.).

AUTOMOTIVE TECHNOLOGY I and II

Are you looking for a class where you can get your hands dirty? How about a class where you can turn your love of cars into a rewarding career? Or are you just looking for a class that will help you save hundreds of dollars on auto repairs by learning to do them yourself? If you answered yes to any of these questions, then Auto Technology 1 is right for you. In Auto 1 you will learn the basics of automotive care. Starting with shop safety, tool usage, and general service facility operations, you will learn to understand the duties of an "Auto Tech". As you progress you will study the components and functions of three major automotive systems: * Brakes * Steering & Suspension * Internal Combustion Engine AUTOMOTIVE TECHNOLOGY 2 This advanced automotive course is geared toward giving students the skills they will need to gain entry-level employment in the automotive service industry or 100 level college courses. Course work focuses on automotive electronics, electrical systems and engine drivability, course safety, maintenance, tool usage, heavy equipment operations and all areas of automotive repair and repair facility operations. Automotive Technology 2 offers automotive theory with "hands-on" experience. Skill levels for testing and ASE / STATE (Automotive Service Excellence) certification can be achieved upon completion of Automotive Technology 2. TIA certification can be earned in class. This program is certified by the following organizations: TIA (Tire Industry Association) NATEF (National Automotive Technicians Education Foundation) Certified Program. AYES (Automotive Youth Education System) Certified Program.

BUSINESS MANAGEMENT & TECHNOLOGY

This business course is designed to prepare students for employment in a wide range of business settings. Students will learn “MANAGEMENT” skills by creating their own fictitious business. Students will also learn and expand their knowledge with Microsoft Word, PowerPoint, Excel and Access. Other projects include employability skills, business etiquette skills and business ethics. With completion of this 1-year class, students will have the opportunity to take the Microsoft Office Specialist (MOS) exam (at own expense).

CONSTRUCTION TECHNOLOGY I and II

This course is designed to give students the opportunity to develop skills related to the various building/construction trades. Practical, hands-on experience, as well as classroom instruction in: residential rough and finish carpentry, plumbing, drywall installation and repair, commercial carpentry, roofing, cabinet making, electrical wiring, painting and ceramic tile will give the student exposure to the variety of opportunities in the building trades field. Job safety and instruction on proper handling of hand and power tools will be taught and expected as part of the course. Basic math, as well as builder’s math, will be learned through daily instruction and homework. Students interested in pursuing a career in the building trades – whether as tradesmen, construction managers, engineers, architects, or designers – would benefit from completion of a two-year program in Construction Technology. Attendance is very important to be accepted by apprenticeship programs following graduation.

CRIMINAL JUSTICE I and II

This course is designed to prepare students who have an interest in one of the numerous careers in law related fields and emergency services. Students are introduced to Michigan criminal law and its applications, police procedures, police administration, emergency dispatching, criminal investigations, court procedures, first-aid/CPR (EMT) and the Criminal Justice System as a whole. Students will experience hands-on training in the fields of Criminal Justice, firefighting, and emergency medical response, including opportunities for on the job training with local emergency service agencies. Students compete in local and national skills competitions against other secondary criminal justice students through SkillsUSA and can earn transferable college credits through demonstration of academic knowledge and skills learned through this course. Second year students who qualify will be offered a dual enrollment, studying criminal justice at Macomb Community College in lieu of attending Pankow. College credit can be earned with a “B” average in this course.

CTE ENGLISH ONLINE

CTE English Online (CEO) is a rigorous integrated course designed for students who face unavoidable scheduling conflicts and want to attempt college-prep work. Students must be self-directed learners and have the maturity level needed to function effectively in an online learning environment. CEO is a collaborative self-paced learning experience that incorporates real-world context coupled with both traditional coursework

and Internet-based resources that reinforce learning. One quarter of the English curriculum is integrated within the CTE course and each online unit consists of multiple activities facilitated by the CTE teacher and culminates with a writing assignment assessed by a highly qualified teacher of record.

CULINARY ARTS I and II

Culinary Arts 1 is designed to provide students with fundamental skills and understanding that are required for obtaining entry-level positions in the hospitality and culinary industry. Through academic lectures, personal study, hands-on training and instructional demonstrations, students will learn and practice the basic techniques of dining room service and kitchen food preparations. During this first course, the following competencies will be covered: Food Safety & Sanitation Use & Care of Food Service Equipment Food Identification & Nutrition Dining Room Training/Customer Service Career Opportunities in Food Service Industry Standards, Regulations & Law Culinary Math Knife Skills Knives, Kitchen Tools & Small Wares Use Food Specifications, Handling & Fabricating Meats, Seafood Fruits & Vegetables Intro to Hot Food, Cold Food & Bakeshop Cooking Lab Activities & Hands-on Kitchen Production CULINARY ARTS 2 Culinary Arts 2 further develops the student's skills and understanding by building upon the basic fundamentals learned in their first year. The focus of the program for the second year will be to refine the competencies already learned and to challenge them with new and more difficult tasks. Second year students will also be assigned leadership roles in the class to help in the training of first year students. This position will give them an opportunity to learn and practice management skills by mentoring other students. They will further sharpen their culinary experience by practicing the skills they have already learned and in turn, introduce those skills to first year students. Second year students will build a portfolio containing certificate achievements and activities they have participated in and completed in class. The second year course in culinary arts will include the following competencies: Menu and Facility Planning Stocks, Soups & Sauces Plate Design & Food Presentations The Principal Cooking Methods Advanced Baking & Pastries Food & Labor Cost Control Hospitality & Tourism Catering & Banquette Presentation Breakfast, Lunch & Dinner Cooking Appetizers, Hors D'oeuvres & First Courses Employment-Cover Letters, Resumes & Job Interviewing

EDUCATION: Early Childhood (PreK – K) Year 1 and 2

This course provides classroom training in the licensed "Teens for Tots" Preschool with approximately 20 preschool children (ages 3/12 to 5 years) from the surrounding community. Students act as "Student Teachers" in training developing and performing age appropriate lessons with the preschool children. Students will compile a professional portfolio to use in college or employment. Students can work toward their CDA and continue their CDA portfolio at the college level. Note: Students who complete the 1st year of Education: Early Childhood as a junior and who wish to continue to further their studies in the Early Childhood career path, may have the option for a Dual Enrollment course in Early Childhood Education at Macomb Community College. Students interested in studies beyond Pankow's Education Program will need to meet requirements for dual enrollment. If interested, please see your counselor.

EDUCATION: TEACHER CADET K-12 Year 1 and 2

This course is designed for students interested in becoming a teacher in a Kindergarten-Twelfth grade environment. Currently in Michigan Top 50 – through 2018, Education is number 5 in the high demand/high wage careers according to the Bureau of Labor and Marketing. As “Teacher Cadets”, students will receive comprehensive classroom training in the Teacher Cadet classroom and receive additional hands on training in the districts elementary, middle and or high school classrooms. These students will work with an assigned “Mentor Teacher”, participating in the different aspects of teaching. The students’ field experience hours can be applied to the College of Education in many local Colleges and Universities. Students will be compiling a professional portfolio to assist in college or future employment.

GRAPHIC ARTS AND DESIGN TECHNOLOGY I and II

Visual imaging deals with the most current phases and practical applications of commercial art and introduces them to the new world of Visual Imaging Technology. Students are provided with the basic knowledge of traditional and contemporary trends in the advertising industry by a simple business-in-art strategies and industry standard rules. Students continue their drawing by way of a weekly sketch book. Students are taught how to create eye-catching illustrations, learn photo retouching and page layouts with design skills, in the traditional sense as well as how they are created and their relation to today’s technology on An Apple iMAC computer. Students are introduced to graphic design, digital imaging and page layout skills through the use of computer software such as Adobe Illustrator CS3, Adobe Photoshop CS3 and Adobe InDESIGN CS3. This course is conducted in a business-like atmosphere, studying real jobs with real deadlines aiding the students in better understanding good time management skills. The curriculum exposes students to “real world” situations and processes of Visual Imaging Technology used in industry today. Students are provided information needed for post-secondary education, and/or prepare them for entry-level employment in the wonderful world of Commercial Art. College credit can be earned in this class. A fee may be required.

HEALTH OCCUPATIONS I and II

Health Occupations 1 provides students with transferable skills to help meet the needs of the health care industry. First year students explore occupations in health care, study anatomy, physiology and medical terminology and learn with a hands-on approach. Entry-level medical skills are covered. During second semester, Red Cross First Aid and CPR certifications are offered. A two-week study of forensic science is also covered. HEALTH OCCUPATIONS 2 Health Occupations 2 is a year long course. Students will learn about teamwork, communication, safety, legal issues, employability and information technology as it relates to the field of Health Care. Hands-on activities help students to learn medical skills and renew CPR certification. Students that meet the necessary requirements will be provided with the opportunity to job-shadow multiple health care professionals at various settings in our community. This course will help students prepare for entry-level positions in health care and explores additional requirements needed for more advanced careers in the medical field.

HORTICULTURE SCIENCE

Horticulture Science is a hands-on class that focuses on floral design, basic landscape design and greenhouse management. Students gain experience in floral design, (including corsages, basic arrangements, and holiday arrangements), greenhouse management, plant propagation including tissue culture, hydroponics, nursery and landscape management, landscape design, and integrated pest managements. Students will have the opportunity to manage the class floral shop and retail greenhouse. Students can participate in the FFA, a student organization that promotes leadership and technical skills.

MEDICAL ASSISTING

Medical Assisting is a year- long class that prepares students for entry level positions in doctors' offices, clinics and hospitals. This course will focus on basic human anatomy, medical terminology, and medical ethics. Hands-on skills will include taking vital signs, drawing blood, testing blood and urine, sterilizing equipment, and setting up and assisting with examinations and minor surgical procedures, performing CPR and first aid, and doing EKGs. Front office procedures such as scheduling appointments, filing, coding and health insurance claims will also be introduced. Students earning a minimum of 80% cumulatively may be eligible for self-placement externships and the opportunity to take the NCCT Medical Assisting exam. Students are responsible for transportation to externships as well as examinations fees.

MEDICAL INVESTIGATIONS

Medical Investigations is a year long course. This program will provide students with an explorative path into diagnostic health careers with an emphasis on clinical (laboratory) skills and procedures. Examples of skills include: microbiology (plate streaking and gram staining of bacteria), microscopy (compound microscope), hematology (ABO blood typing, blood cell identification), and micro-pipetting. In addition, students will learn about teamwork, safety, communication, legal issues, employability and information technology as it relates to the field of healthcare.

MICROSOFT NETWORK ADMINISTRATION I and II

Currently the Microsoft Windows Server family is the most widely used corporate server platform for small, medium and most large businesses. Network admins are responsible for the day to day operation and maintenance of the servers and data that businesses rely on. Microsoft Network Administration will give students a head start in getting a career as a computer network administrator. Students will get hands on experience with: Windows Server & Small Business Server, Microsoft Exchange, Data Backup Systems, Active Directory, Group Policy and Domain security policies. Completing this course will be great preparation for all of the Microsoft Certifications such as MCSE, MCITP, MCTS and MCP. Earning these certifications are excellent professional accomplishments and, along with a degree, can open the door to a great career.

PC SERVICING & NETWORKING I and II

The PC Servicing & Networking course is designed for students who have an interest in computers, networking and the Internet. We explore the inner components of your computer, the software and operating systems that run them and connections that bind them. We discuss the latest trends in the ever-changing technologically-infused world and prepare for them. Students who take this course will learn how computers operate, as well as how to trouble-shoot, repair, upgrade and maintain them. Students will also learn basic computer networking skills including how computer networks operate, how to properly connect and configure networks and the Internet operates globally. Computer networking is a growing field with great opportunities for growth and advancement. Students completing this one-year course will have the skills necessary to attain an entry-level position in the information technology industry. Students will also be prepared to industry recognized certification exams from CompTIA.

PROGRAMMING: JAVA

This course is designed to provide students with the fundamental understanding of detailed programming language. It will be covering syntax including decisions, loops, arrays, strings, and simple graphics JAVA programming, flow charts, literacy, basic HTML (Hyper Text Mark Up Language), JAVA script, hardware and software terminology, computer ethics and documentation with a heavy emphasis on problem solving. Students will learn how to interact with their customers or superiors, design interfaces for business applications and code simple games. Students will also learn how to utilize databases with their applications in order to create a viable, working program for their final project. Any student is welcome, whether they have previous programming experience or not. Programming will start with the basics and work our way up from there.

PROGRAMMING: XBOX360 Year 1 and 2

As technology evolves and video gaming becomes a more prevalent form of entertainment, more creative video game designers are becoming necessary in the workforce. This course is designed to provide students with the fundamental understanding of the Visual C# programming language. It will be covering logic, syntax, input/output layout, testing, database interaction, debugging and documentation with a heavy emphasis on problem solving. The bulk of the programming will be done with an emphasis on video game design, specifically for the Microsoft XBOX360 console system. Students will learn how to interact with their customers or superiors, design and test simple puzzle games to more complex adventure type games. This course will cover everything from design to coding and finally testing. Students will have the opportunity to upload their projects to XBOX Live Creators' Club, and if they are popular enough, to XBOX live Marketplace where they could be purchased and played by millions of XBOX users, earning the student national recognition. Any student is welcome, whether they have previous programming experience or not. Program will start with the basic and work their way up from there.

SPORTS MEDICINE, PHYSICAL THERAPY & OCCUPATIONAL THERAPY

Are you interested in a career in rehabilitative medicine? Join us at Pankow to explore your options, while learning entry level skills. Topics to be covered will include: Patient care and mobility, prevention of injuries, ambulation techniques, range of motion activities, anatomy and physiology with an emphasis on musculoskeletal, medical terminology, legal and ethical issues, communications, teamwork, OSHA safety standards, first aid and CPR skills. Qualifying students will have the opportunity to participate in a job-shadowing experience.

TV AND BROADCAST MEDIA

If you enjoy making videos or just want to play with some top notch technology this program can help put you in the middle of the lights, camera and action. TV & Broadcast Media is a course where students have the opportunity to create unique video projects in a state of the art television studio. This is a course where students learn by DOING. Students produce numerous videos – from basic Public Service Announcements to Mini-Movies. Students film on HD cameras and DSLR's, then edit their masterpieces on the latest iMac computers. In the TV studio, students operate a teleprompter, video switcher, 24 channel soundboard, and HD studio cameras. This course emphasizes a hands-on approach to skill development enhanced with the latest literature on Television Production. Students learn to use Final Cut Pro editing software, Motion Graphics, Keynote, Garage Band, Compressor, and other software used in the industry. The course is designed to prepare students to explore careers in Television Production, and to develop the essential skills for employment in this field. Students who receive a C or higher can receive articulation credit with Macomb Community College, or \$2500 off tuition at Specs Howard. This course may be taken more than once. Students who succeed in this course may be considered for Broadcast Journalism.

WEB DESIGN I and II

Attention all students interested in making a little cash with a side job!!! Web Design can help make that happen. Many web students are hired to make Web Sites for family and friends because they learn how to plan, create, and design web pages in Web Design at Pankow. Students learn XHTML coding, Adobe Creative Suite 4 Dreamweaver and Flash, and Cascading Style Sheets. Internet usage and research is also an integral component of this class. Students will also have the benefit of earning co-op credit (toward high school graduation. Visit <http://www.PankoWebs.com> for an inside look at Web Design class. SPECIAL INTEREST: Students can earn one year English credit while taking Web Design which can fulfill the 2011 High School Graduation English requirement (see CTE English Online for details). Math-related credit and Visual and Applied Art credit is also available.

STUDENT EXTERNSHIP

Externship consists of working in a job that relates to the student's career pathway from his/her Educational Development Plan (EDP) and being enrolled in a Career and Technical Education (CTE) course. The student must be at least 16 years of age and working a minimum of 150 hours per semester for 1.0 credit. Students must meet daily classroom requirements, work in accordance with all state and federal labor laws, and have a training agreement in place. The school "Externship" Coordinator and the employer will supervise the student's progress. The externship areas offered under this title are: Auto Collision & Refinishing Auto Technology 1 & 2 Business Management Technology CAD/Drafting Technology Construction Technology Culinary Arts Early Childhood Education Criminal Justice Graphic Arts and Design Technology Health Occupations 1 & 2 Horticulture Science Marketing & Retail Management Medical Assisting Network Administration & Computer Repair Programming (JAVA, Web, XBOX) Sport Medicine/PT/OT Strategies in Sports, Entertainment & Marketing Web Design Teacher Cadet

ENTREPRENEURSHIP at LCHS/LCN

Prerequisite: Intro to Marketing. Entrepreneurship introduces students to the exciting world of creating and owning their own business. Students will identify the fundamentals of business creation, the personal attributes needed to be a successful entrepreneur, and will research various business opportunities. Topics covered include the characteristics of an entrepreneur, discovering entrepreneurial opportunities, operations, human resource and risk management. Students will develop a hypothetical business plan. In addition, students will take part in DECA, a national marketing student organization. Externship eligible program.

MARKETING & BUSINESS OPERATIONS at LCHS/LCN

Prerequisite: Strategies in Sports, Entertainment & Marketing (or Marketing Strategies) and Advanced Marketing Strategies Entrepreneurship – must have passed each class with a "C" or better. Must have citizenship of S or O, and teacher recommendation. Students in this class will have the opportunity to manage and market all school store activities. The focus of this course will be the advanced studies of marketing as well as reinforcing management fundamentals. Students will be introduced to the theories and practices needed for successful buying, promoting, storing, displaying and selling of all school store products. Other business functions will be introduced to enhance the course learning objectives. This class will require before and after school attendance in the operation of the school store. DECA membership available. Externship eligible program.

STRATEGIES IN SPORTS, ENTERTAINMENT & MARKETING at LCHS/LCN

This class is designed for students who are interested in careers in sports & entertainment marketing, marketing, management and business ownership. Students will learn the language of sports & entertainment and marketing as well as distribution

and the importance of developing social skills for business jobs. The purpose of this course is to provide students with the fundamental principles and concepts identified with sports and entertainment marketing, and to develop critical thinking and decision-making skills through the application of marketing principles in these industries through projects and activities. Topics of study will be: private enterprise system, consumer economics, world channels of distribution, purpose of marketing, types of marketing enterprises, careers in sports & entertainment marketing, marketing and distribution, promotion and pricing, human relations skills, and how technology affects business operations. Through course work, field trips and guest speakers, students will gain confidence and the opportunity to achieve marketable skills. In addition, students will take part in DECA, a national marketing student organization. Externship eligible program.

ADVANCED STRATEGIES IN SPORTS, ENTERTAINMENT & MARKETING at LCHS/LCN

This class is a continuation of Strategies in Sports, Entertainment & Marketing concepts and applies them to the sports & entertainment and marketing industries. This class will take students on a step-by-step journey through the world of marketing. Students encounter and learn about the key functions of marketing and how those functions are applied in the sports & entertainment and marketing worlds. This course will also start you thinking like an owner or manager of a business. Students will explore the impact of the economy on business. Legal requirements, physical layout, operating and staffing needs, promotion, social and ethical responsibilities and applications of technology will be studied. Successful completion of this course will help students develop a knowledge of the career possibilities in the sports & entertainment and marketing industries as they relate to a diverse population and global society and to develop the knowledge that is required to produce an actual sports and entertainment event. Through projects, virtual business simulations software, course work, field trips and guest speakers, students will gain confidence and the opportunity to achieve marketable skills. In addition, students will take part in DECA, a national marketing student organization. DECA membership available. Externship eligible program.

SOCIAL MEDIA at LCHS/LCN

Intro to Marketing. Students will learn the latest trends happening in advertising, public relations and sales using an online presence. They will develop a positive online presence for themselves by learning how to develop a professional online voice and conduct online professional networking. Students will also understand the roll of social media in marketing, use social networks as a marketing tool, and learn how to use Twitter, video-sharing (YouTube), mobile marketing, blogs (Blogger and Tumblr), and new emerging social media as a marketing tool. In addition, students will take part in DECA, a national marketing student organization.