

INDIAN VALLEY VOCATIONAL CENTER is owned and operated by 11 school districts.

Earlville District #9

Hinckley-Big Rock District #429

Indian Creek District #425

Leland District #1

Newark District #18

Paw Paw District #271

Plano District #88

Sandwich District #430

Serena District #2

Somonauk District #432

Yorkville District #115

Students from these districts attend IVVC during their junior and senior years in the morning or afternoon. Students who attend IVVC are selected by their own district's criteria for attendance at IVVC.

NOTICE OF NON-DISCRIMINATION

Indian Valley Vocational Center insures equal educational opportunities are offered to students regardless of race, color, national origin, age, sex, religion, or disability.

Questions in reference to educational opportunities may be directed to:

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INDIAN VALLEY VOCATIONAL CENTER

Your Career Starts Here!
2014—2015
Educating for Careers Since 1975



Tel: 815/786-9873

IVVC Program Listing

AUTO BODY REPAIR

A comprehensive program of collision repair and automotive paint refinishing. Safety practices and safety equipment, as well as EPA standards, will also be addressed and followed. **First year students** will get a basic knowledge of collision repair and refinishing procedures. **Second year students** will get advanced training on frame and structural repair. Students enrolled in this program will be expected to participate in routine physical activities on a daily basis that will foster the development of movement skills and enhance health-related fitness. (20116A001 & 002)

AUTOMOTIVE TECHNOLOGY

Students enrolled in Auto Technology at IVVC will learn how to service and maintain high tech vehicles by way of classroom instruction and lab work. **First year students** will learn the fundamentals of safety, lubrication, tire and wheel servicing, engine design, and automotive braking systems. Approximately 80% of their time spent in the shop watching demonstrations and repairing live vehicles. **Second year students** move on to diagnostic functions on the car's computer systems, engine theory, and also perform alignments using our state-of-the-art equipment. All students have the opportunity to learn how to provide service writer and parts person functions as the IVVC shop strives to provide a professional shop-like atmosphere. Yes, you will get your hands dirty when you take Auto Technology, but you will also have the satisfaction of learning how to repair a car and prepare for a future in the automotive industry. Students enrolled in this program will be expected to participate in routine physical activities on a daily basis that will foster the development of movement skills and enhance health-related fitness. (20104A001 & 002)

COMPUTER TECHNOLOGY

State of the art program in computer maintenance and installation. Students work with hardware and software in a "real world" environment to maintain PCs and printers at IVVC. They also do maintenance work for other schools. New computer setup, purchase and evaluation are also a part of the course. **Second year students** explore wire and wireless networks, as well as game design. A+ Certification is possible after taking this program. Students enrolled in this program will be expected to participate in routine physical activities on a daily basis that will foster the development of movement skills and enhance health-related fitness. (10252A001 & 002)

CONSTRUCTION TECHNOLOGY (formerly Building Trades)

This program offers a 90% hands-on experience in most phases of residential construction, including safety, building codes, blueprint reading and estimating/scheduling, as well as the latest in construction techniques. Students will spend the majority of the time at an off-campus building site location learning framing, roofing, siding and interior trim. Concrete work and landscaping fundamentals will also be explored. **Second year students** are given the opportunity to obtain an internship working for an employer during school hours. Students enrolled in this program will be expected to participate in routine physical activities on a daily basis that will foster the development of movement skills and enhance health-related fitness. (17002A001 & 002)

COSMETOLOGY

This is a 1,500 hour program contracted through Hair Professionals Career College, offered at their Oswego or Sycamore site or Debutantes School of Cosmetology & Nail Technology in DeKalb. Completers will have earned up to 1,000 hours towards the state licensing requirements for hairdressers during the two year program. (19101A001 & 002)

CULINARY ARTS

Developed by the National Restaurant Association Educational Foundation, the ProStart Program is a two-year curriculum designed to teach high school students the management skills needed for a career in the restaurant and food service industry. ProStart students have the opportunity to earn an industry-approved, nationally recognized certificate, guaranteeing them a minimum \$2,000 scholarship and access to college articulation agreements. To earn the ProStart certification, students must complete the following program components: 360 hours of classroom instruction, covering hospitality business and food preparation; 400 hours of mentored internship, in front and back of house positions; workplace competency checklist, demonstrating industry knowledge and skills; successfully pass the year one and two national ProStart examination. Students enrolled in this program will be expected to participate in routine physical activities on a daily basis that will foster the development of movement skills and enhance health-related fitness. (16052A001 & 16055A001)

DRAFTING & DESIGN TECHNOLOGY (formerly Drafting & Design)

Look around. Most everything you see—from the cell phone you use to the car you drive to the buildings you walk through—has to be designed. Design is an important step in the process from idea to reality, and students in this class learn to use creativity, problem solving, and technical skill to make that step happen. Students will experience hands-on projects in the fields of architecture, engineering, interior design, product design, mechanical design, computer-aided drafting (CAD) and surveying/civil engineering. First semester, students will gain experience and knowledge in the design areas mentioned above, and second semester each student will choose one or two of those areas for more in-depth study. Some of our popular hands-on projects include popsicle stick bridges, H₂O rockets, marble roller coasters, CO₂ dragsters, and Mythbuster Mondays. Similar to the popular TV show, Mythbuster Mondays give students a chance to brainstorm, build, and test ideas. **First year students** learn the fundamentals on the drafting board and progress to beginning computer-aided drafting (CAD). **Second year students** learn advanced CAD. Completion of the course provides the possibility of up to 6 semester hours of credit at Waubesa Community College. Students enrolled in this program will be expected to participate in routine physical activities on a daily basis that will foster the development of movement skills and enhance health-related fitness. (21103A001 & 002)

EARLY CHILDHOOD DEVELOPMENT

Do you enjoy working with children? The Early Childhood Development program offers students excellent opportunities to work with 3, 4 and 5-year old children. This class offers hands-on experiences teaching children in our preschool lab setting. All students experience planning and teaching activities in the areas of art, science, language, math and Pre-K skills geared to the development of the preschool age child. **First year students** have the opportunity to explore the wide array of career options that involve children, as well as learning to guide young children in their behavior. **Second year students** have internship opportunities in local pre-, elementary, and junior high schools available to them. All students will create a portfolio of lesson plans and activities that can be used in their future educational careers. Our ECD classes attend field trips for both first and second year students to Early Childhood schools, as well as professional childcare settings. Both first and second year students may make use of articulation agreements with local community colleges. This course also utilizes the **Gateways to Opportunity** program, which gives the students the opportunity to earn an **ECE Credential Level 1 Certificate**. Students enrolled in this program will be expected to participate in routine physical activities on a daily basis that will foster the development of movement skills and enhance health-related fitness. (19054A001 & 19055A001)

FIRE SCIENCE

First year students—Basic Operations Firefighter

This course is a study of techniques used in fire fighting. This course covers the subjects required by the Office of the State Fire Marshal for certification at the Basic Operations Firefighter level. The student's daily routine includes proper uniform, apparatus and PPE checks and station cleaning. Students will take part in classroom lectures, demonstrations, hands-on practice on individual skills, training responses that incorporate these individual skills into fire ground evolutions through the use of various props and structures. This program emphasizes the knowledge, individual skills and teamwork skills necessary for entry level personnel to become functioning members of a fire company. This program also covers Technical Rescue Awareness, Fire Service Vehicle Operator, Hazardous Materials Awareness, and Courage to be Safe. First year students will also become CPR certified.

Second year students—Advanced Technician Firefighter

Second year students begin the year working on all the required course work to obtain their Advanced Technician Firefighter certification. This class is designed for the experienced firefighter. Some of the hands-on skills include R.I.T. evolutions, radio communication drills, forcible entry, ventilation, and assisting Technical Rescue Teams. Students will also complete the Vehicle Machinery Operations class. Extensive hands-on tool time is given to the students to work with various tools and techniques to perform auto extrication. Students will be trained in Fire Apparatus Engineer. Second year students may also at times mentor and assist first year students with various skills and practicals.

Both classes are offered at the Sandwich Fire Station. First and second year students in this program are expected to participate in routine activities on a daily basis that involve physical movement and enhance health-related fitness. They will work cooperatively in groups demonstrating decision making, leadership skills and responsible behaviors. Students will learn how physical fitness and healthy living affect workplace performance and success. (15152A001 & 002)

GRAPHIC DESIGN & DIGITAL TECHNOLOGY

Become part of the next generation of digital design! The world is full of images and words and Graphics *is* that world. Take your creativity to a new level using professional design skills. Use Adobe software (Illustrator, InDesign, and Photoshop) to turn your creative ideas into a reality. Field trips and projects will introduce you to packaging, animation, college life, marketing, printing and more. Learn what it takes to make a poster pop. Design your own logo and see it in print. Find out what it takes to create a cutting edge brand. We operate *Tee-Rex Graphics Custom Wear*, our very own T-shirt printing business. Get experience designing and printing T-shirts, then feel the satisfaction of seeing them worn by other IVVC students. Design a product label and work with professional photographer on a photo shoot. Be a digital photographer and learn how to take portraits, make an iMovie or shoot a video. Curious about career choices? Professionals in their fields will provide valuable information to help you decide what path to take. Also during this class students will volunteer, produce work for a charity, and enter work in a competition, as well as do projects for other schools and the community. Students will make a final portfolio for college visits. Art or computer experience is helpful, but not a requirement. Students enrolled in this program will be expected to participate in routine physical activities on a daily basis that will foster the development of movement skills and enhance health-related fitness. (11154A001 & 002)

HEALTH OCCUPATIONS—EXPLORING MEDICAL CAREERS

Do you want a career in the medical field? Do you want to learn more about what careers are available? This course is for junior and senior students who are interested in exploring medical careers in an applied life science skill format. The curriculum provides hands-on learning opportunities involving body systems and medical careers. Students will learn basic medical procedures associated with the health profession, including performing vital signs, injections and blood draws on a training arm. Students will also be able to job shadow at local medical facilities to see what a career in the medical field really entails. Want to know what esophagogastroduodenoscopy means? You will learn that and many more medical terminology words that are necessary to continue in the medical field. The students will obtain their CPR certification, along with basic first aid training. Students in this program are expected to participate in routine activities on a daily basis that involve physical movement and enhance health-related fitness. They will work cooperatively in groups demonstrating decision making, leadership skills and responsible behaviors. Students will learn how physical fitness and healthy living affect workplace performance and success. (14002A002)

HEALTH OCCUPATIONS—CNA (Certified Nurse Assistant)

This course is for **SENIORS ONLY** who are interested in becoming Certified Nurse Assistants. The student must have passed a biology or bio-med class at the home school with a minimum grade of "C" and must have a good attendance record. The Exploring Medical Careers class is not a prerequisite for this class; however, approval from IVVC and the home school may be required. This course follows the guidelines of the Illinois Department of Public Health to achieve a certificate as a Certified Nurse Assistant. Forty hours of hands-on clinical time is required. A fingerprint criminal background check is also required. Students in this program are expected to participate in routine activities on a daily basis that involve physical movement and enhance health-related fitness. They will work cooperatively in groups demonstrating decision making, leadership skills and responsible behaviors. Students will learn how physical fitness and healthy living affect workplace performance and success. (14051A001)

LAW ENFORCEMENT

This course is designed for the student who is wishing to explore a career in law enforcement. The curriculum follows the certified Illinois State Police Basic Training used by Illinois Police Academies. **First year students** will be studying criminal law, vehicle code, and case law in the first semester and learning how to investigate crimes, process a crime scene, and execute arrests in the second semester. At the conclusion of the first year, students should be able to correctly investigate a crime, make an arrest, complete booking and arrest reports, and testify in court. **Second year students** will be leading class discussions, composing in-depth research projects, assuming a supervisory role with first year students, and planning weekly training. All students will engage in defensive tactics, officer safety skills, firearm safety using simulators and dynamic scenarios utilizing the most modern air soft and paintball techniques. This is a physical class with many "hands-on" activities. Students attending this class will be required to read several novels. Students should be familiar with Microsoft PowerPoint, Word, and have a firm grasp of grammar and spelling. Students will be giving oral presentations weekly. Guest speakers include Secret Service, FBI, DEA, and SWAT to name a few. Field trips may include jails, police academies, military facilities and police departments. The instructor is a current police officer, state certified as a firearm and air soft instructor. Students may be required to submit to random drug testing and a background check in order to be involved with any "hands-on" activities. Students with a criminal history should not enroll. Students in this program are expected to participate in routine activities on a daily basis that involve physical movement and enhance health-related fitness. They will work cooperatively in groups demonstrating decision making, leadership skills and responsible behaviors. Students will learn how physical fitness and healthy living affect workplace performance and success. (15051A003 & 004)

SPORTS MEDICINE/SPORTS MANAGEMENT

This course introduces students to professions in Sports Medicine and Sports Management, including Athletic Training, Physical Therapy, Personal Training, Coaching, Massage Therapy and the Fitness/Wellness industries. The instructor is an Illinois licensed Certified Athletic Trainer with over 15 years experience in the field. Students in this program are expected to participate in routine activities on a daily basis that involve physical movement and enhance health-related fitness. They will work cooperatively in groups demonstrating decision making, leadership skills and responsible behaviors. Students will learn how physical fitness and healthy living affect workplace performance and success.

Sports Medicine/Management I Primarily focuses on the anatomy of the skeletal and muscular systems, injuries to those structures, rehabilitation protocols, concussion recognition and management, as well as taping techniques. Sport Management topics are explored through several different projects. Students enrolling in this class should have a genuine interest in science and should have earned a minimum grade of "C" in a general biology or BioMed class at their home school. First year students are **required** to perform 15 hours of professional job shadowing outside of regular IVVC class time.

Sports Medicine/Management II Students who meet all prerequisites may have an opportunity to participate in IVVC's internship program. Second year students should have a strong desire to continue their education in this field after high school. Second year students are required to assist with first year students, as well as manage class work with their internship schedule. Several projects will be completed throughout the year, with many of them being presented to their intern supervisor as well as administrators and first year students. (14062A001)

WELDING & FABRICATION

This course is designed for students who are ready to challenge themselves and become the welders and metal fabricators of tomorrow. Various welding and cutting processes are taught throughout the year and students will demonstrate these skills through hands-on activities in the shop. Several class projects, both individual and group, are done throughout each quarter which coincide with class lectures. Personal projects are welcomed once students have finished their assigned welding tasks. Production strategies and lean manufacturing skills are demonstrated, giving the students a taste of the real-world and what makes a successful business. **First year students** are challenged in flat and horizontal welding positions while **second year students** learn how to weld in the vertical and overhead positions. Employability, which emphasizes their professional conduct, is a significant portion of the student's grade. Students enrolled in this program will be expected to participate in routine physical activities on a daily basis that will foster the development of movement skills and enhance health-related fitness. (13207A001 & 002)