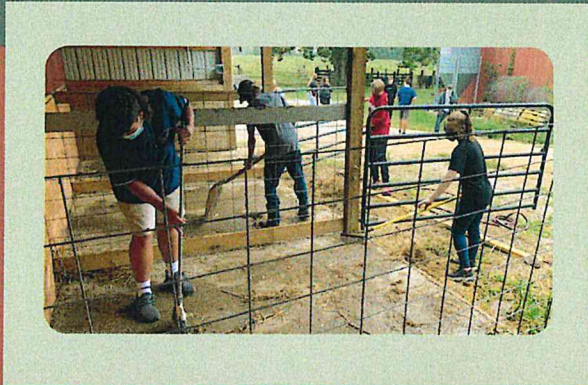




# AGRICULTURE

The agriculture department offers several classes for students in grades 9 through 12 with an interest in agriculture. Students will learn agricultural concepts, work ethic, leadership, teamwork, and critical thinking skills through hands-on agricultural-based lessons. Students will have the opportunity to participate in many leadership, community service, and career development activities through the FFA, a co-curricular student organization.



## PROGRAM PATHWAYS

### Animal Science

- Principles of Agriculture (Year 1)
- Animal Science (Year 2)
- ALS Animals (Year 2 or 3)

### Landscape Management

- Principles of Agriculture (Year 1)
- Horticultural Science (Year 2)
- Landscape & Turf Management (Year 2 or 3)

### Vet Careers

- Principles of Vet Science (Year 1)
- ALS Animals (Year 2)
- Veterinary Science (Year 2 or 3)
- Veterinary Science Capstone (Year 3 or 4)

## ADDITIONAL OPPORTUNITIES

Dual Credit- Ivy Tech

Summer Program- Supervised Agricultural Experience (SAE)

FFA







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# AUTOMOTIVE SERVICES TECHNOLOGY

Automotive Services Technology gives students access to the operating world of modern vehicles. Students will learn about the automotive shop safety procedures, proper use of tools, electrical, braking, and steering/suspension systems along with other areas of the automobile. Students will participate in hands-on learning in the automotive lab to gain real-world experience.



## PROGRAM PATHWAYS

### Automotive Services

- Principles of Auto Services (Year 1)
- Brake Systems (Year 1)
- Steering & Suspensions (Year 1)
- Automotive Service Capstone (Year 2)

\*Students will sign up for all three: Principles of Automotive Services, Brake Systems, and Steering & Suspensions in order to complete year 1.

## ADDITIONAL OPPORTUNITIES

Dual Credit- Ivy Tech | Technical Certificate  
Skills USA  
Work-Based Learning

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# CRIMINAL JUSTICE

Criminal Justice provides an introduction to the criminal justice system. This program aims to develop a general understanding of the criminal justice system's response to crime in society and serves as an overview to law enforcement, courts, and corrections. Students will critically analyze the issues of crime and culture. In laboratory lessons and experiments, students will learn actual processes and procedures used in the day-to-day work of professionals in the criminal justice field such as police officers, conservation officers, judges and attorneys, probation & parole officers, and correctional officers.



## PROGRAM PATHWAYS

### Criminal Justice

- Principles of Criminal Justice (Year 1)
- Law Enforcement Fundamentals (Year 1)
- Corrections & Cultural Awareness (Year 1)
- Criminal Justice Capstone (Year 2)

\*Students will sign up for all three: Principles of Criminal Justice, Law Enforcement, and Corrections & Cultural Awareness in order to complete year one.

## ADDITIONAL OPPORTUNITIES

Dual Credit- Ivy Tech  
Indiana Hunter Education Certification

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# STEM ENGINEERING

Project Lead The Way (PLTW) Engineering empowers students to step into the role of an engineer and adopt a problem-solving mindset. The program's courses engage students in compelling, real-world challenges that help them become better collaborators and thinkers. Students take from the courses knowledge and skills they will use in high school and for the rest of their lives, on any career path they choose.



## PROGRAM PATHWAYS

### STEM Engineering

- Introduction to Engineering Design (Year 1)
- Principles of Engineering (Year 2)
- Choose 1 of the courses below (Year 3/4):
  - Digital Electronics
  - Civil Engineering
  - Computer Integrated Manufacturing

## ADDITIONAL OPPORTUNITIES

Autodesk Inventor Certification  
Crane STEM Senior Internship  
Work-Based Learning

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# EDUCATION

The Education program benefits students who want to study teaching and education, especially in areas third grade and below. Students learn about health, safety, nutrition, child development, behavioral psychology, and classroom management strategies. The program provides the opportunity to work with children in the developmental and community preschool classrooms daily at the North Lawrence Learning Center.



## PROGRAM PATHWAYS

### Early Childhood Education

- Principles of Early Childhood (Year 1)
- Early Child Education Guidance (Year 1)
- Early Child Education Curriculum (Year 1)
- Early Childhood Capstone (Year 2)

\*Students will sign up for all three: Principles of Early Childhood Education, Early Childhood Education Curriculum, and Early Child Education Guidance in order to complete year 1.

## ADDITIONAL OPPORTUNITIES

Dual Credit- Ivy Tech | Technical Certificate  
CDA (Child Development Associate Credential)  
Work-Based Learning  
Educators Rising

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# DIGITAL DESIGN

Digital Design introduces students to fundamental design theory. These concepts will be taught in conjunction with learning technical software skills in applications such as Adobe Photoshop, Illustrator, Animate, and InDesign. Students will also learn the process of printing, file preparation, and producing tangible items with their designs including, t-shirts, decals, banners, and more. Additionally, students will explore topics such as color theory and typography to provide experiences in applying design theory, ideas, and creative problem-solving in the areas of communication technology.



## PROGRAM PATHWAYS

### Digital Design

- Principles of Digital Design (Year 1)
- Digital Design Graphics (Year 1)
- Graphic Design and Layout (Year 1)

\*Students will sign up for all three: Principles of Digital Design, Digital Design Graphics, and Graphic Design and Layout in order to complete year 1.

## ADDITIONAL OPPORTUNITIES

Dual Credit - Ivy Tech  
Work-Based Learning

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# HEALTH CAREERS

Health Sciences provides students with the foundation of skills development to specific health careers including patient care, nursing care, dental care, medical laboratory, and public health, before teaching hands-on training for bedside patient care. Students are prepared to test for CNA certification. This program provides valuable information for any student looking to join the healthcare field.



## PROGRAM PATHWAYS

### Health Careers

- Principles of Health Care (Year 1)
- Medical Terminology (Year 1)
- Certified Clinical Medical Assistant (CCMA) (Year 1)
- Health Science II (Year 2)

## ADDITIONAL OPPORTUNITIES

Certified Nursing Assistant (CNA) Certification  
Certified Clinical Medical Assistant (CCMA) Certification  
Dual Credit- Ivy Tech  
CPR/First Aid Certification  
Dementia Care Certification  
Stop the Bleed Certification  
Health Occupations Students of America (HOSA)

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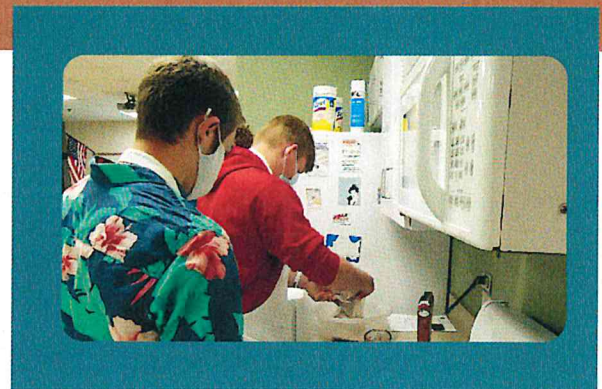
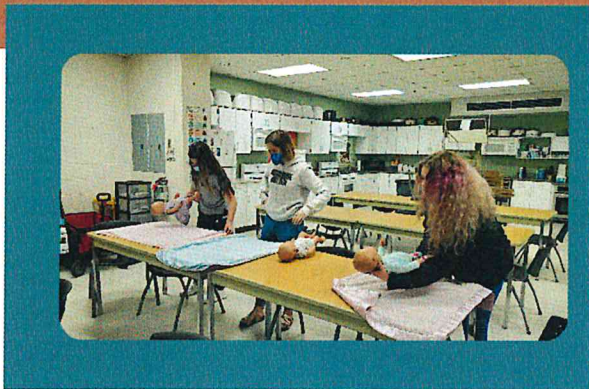




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# FAMILY AND CONSUMER SCIENCES

Family and Consumer Sciences (FACS) offers a variety of classes that emphasize the importance of developing thinking, communication, leadership, and management skills in appropriate real-life applications. Students develop the ability to become independent thinkers, to assume family and community roles, and to succeed in the workplace. The importance of resource management and financial literacy is prominent in the curriculum of each class, interwoven with content-specific competencies. FACS classes are beneficial for every student as they begin their journey to becoming independent, productive community members.



## PROGRAM PATHWAYS

### Family and Consumer Sciences

- Nutrition and Wellness
- Interpersonal Relationships
- Human Develop and Wellness
- Adult Roles and Responsibilities
- Child Development
- Advanced Child Development
- Introduction to Culinary and Hospitality

## ADDITIONAL OPPORTUNITIES

The health education credit may be waived for a student if the student's program includes three (3) credits from the following Family & Consumer Sciences (FACS) courses: (A) Child Development, (B) Human Development & Wellness, (C) Interpersonal Relationships, (D) Nutrition & Wellness, (E) Preparing for College & Careers or Adult Roles & Responsibilities.

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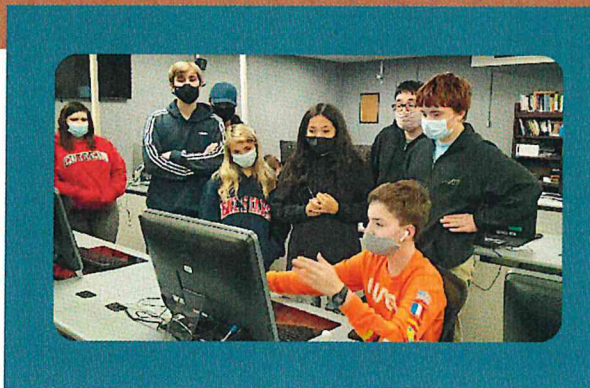




# COMPUTER SCIENCE

Cyber Security students will acquire the fundamentals of information and data security and understand the vulnerability most organizations have in their security systems with an emphasis on firewalls, security plans, and Virtual Private Networks (VPNs). Discussions will include data security methods, authentication, network attacks, malicious code and viruses, wireless security, e-mail and web security, and disaster recovery. Information security is included to reinforce key concepts, such as security planning and contingencies, security policies, security management models and practices, and ethics.

Computer science offers an introduction to how computers work, their key components, and programming fundamentals.



## PROGRAM PATHWAYS

### Cybersecurity

- Principles of Computing (Year 1)
- Cybersecurity Fundamentals (Year 1)
- Advanced Cybersecurity (Year 1)

### Computer Science

- Computer Science I (Year 1)
- Computer Science II (Year 2)

## ADDITIONAL OPPORTUNITIES

Dual Credit- Vincennes University

CISCO Beginning Level Certification

Computer Hacking Forensic Investigator Certification



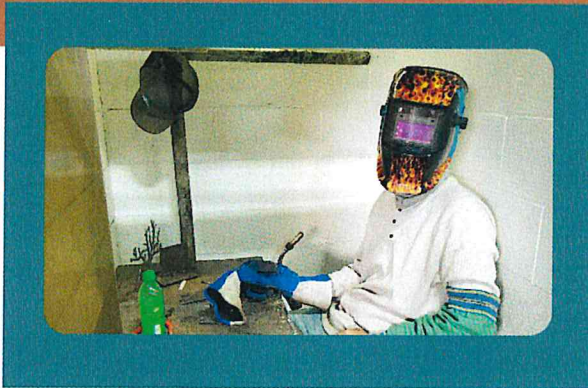




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# WELDING

Welding Technology is a comprehensive two-year program designed to prepare the student for gainful employment in the welding field. Advanced inspection and fabrication methods are taught to achieve the extensive discipline demanded within the welding profession. A major portion of the lab for the program is devoted to developing skills in all structural and pipe welding positions.



## PROGRAM PATHWAYS

### Welding

- Principles of Welding Technology (Year 1)
- Shielded Metal Arc Welding (Year 1)
- Gas Welding Processes (Year 1)
- Welding Technology Capstone (Year 2)

**\*Students will sign up for all three: Principles of Welding Technology, Shielded Metal Arc Welding, and Gas Welding Processes in order to complete year 1.**

## ADDITIONAL OPPORTUNITIES

Dual Credit- Vincennes University (Early College)  
AWS Certification (SMAW, GMAW, GTAW, FCAW)  
Skills USA  
Work-Based Learning

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# AUTOMOTIVE COLLISION REPAIR

Automotive Collision repair is a two-year program that allows students the opportunity to learn basic automotive construction and design, safety, structural and non-structural repair, MIG welding, refinishing, plastic and fiberglass repair, and glass replacement. Students will learn to paint using both a Simspray-Virtual Reality paint training tool as well as a real paint booth experience. Automotive collision repair students will engage in intense, hands-on training and learn firsthand about the automotive repair industry.



## PROGRAM PATHWAYS

### Automotive Collision Repair

- Principles of Collision Repair (Year 1)
- Automotive Body Repair (Year 1)
- Plastics Body Repair and Paint Fundamentals (Year 1)
- Collision Repair Capstone (Year 2)

Students will sign up for all three: Principles of Collision Repair, Automotive Body Repair, and Plastic Body and Painting Fundamentals in order to complete year 1.

## ADDITIONAL OPPORTUNITIES

Dual Credit- Vincennes University  
Skills USA  
Work-Based Learning

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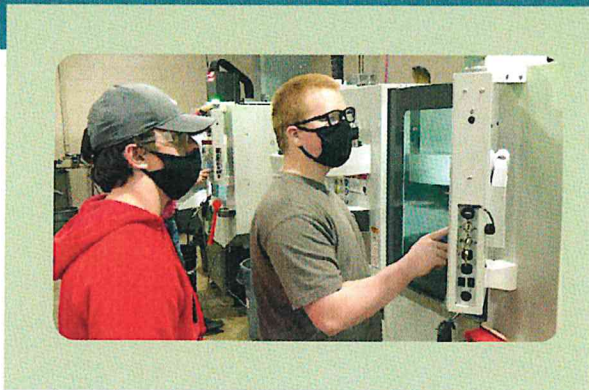




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# PRECISION MACHINING

The Precision Machining program is designed to prepare students for job entry-level positions in industry and post-secondary education. Students will operate basic machines, hand and precision measuring tools as well as oversee CNC programming and operations. Students will learn related technical math, blueprint reading, basic metallurgy, heat treatment of steel, and other related technologies throughout the two-year program. Vincennes dual credit opportunities allow students to produce high-quality projects using the latest tools and technology.



## PROGRAM PATHWAYS

### Precision Machining

- Principles of Precision Machining (Year 1)
- Precision Machining Fundamentals (Year 1)
- Advanced Precision Machining (Year 1)
- Precision Machining Capstone (Year 2)

**\*Students will sign up for all three: Principles of Precision Machining, Precision Machining Fundamentals, and Advanced Precision Machining to complete year 1.**

## ADDITIONAL OPPORTUNITIES

Dual Credits- Vincennes University (Early College)

Skills USA

Work-Based Learning

NIMHS Certification

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# CONSTRUCTION TRADES - CARPENTRY

Construction Trades includes classroom, shop, and job site experiences. These experiences teach the skills needed for the construction, maintenance, and repair of buildings, homes, and other structures. Instruction covers a variety of activities such as; blueprint reading, cost estimating, job site safety, the proper use of hand and power tools, site preparation, foundations, masonry, framing, electrical, plumbing, interior, and exterior finishes.



## PROGRAM PATHWAYS

### Construction Trades - Carpentry

- Principles to Construction Trades (Year 1)
- Construction Trades: General Carpentry (Year 1)
- Construction Trades: Framing and Finishing (Year 1)
- Construction Trades Capstone (Year 2)

**\*Students will sign up for all three: Principles of Construction Trades, Construction Trades: General Carpentry, and Construction Trades: Framing and Finishing to complete year 1.**

## ADDITIONAL OPPORTUNITIES

Dual Credits- Vincennes University (Early College)

Skills USA

Work-Based Learning

OSHA-10 Certification

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# MASS MEDIA PRODUCTION

Mass Media production will focus on creating digital communications that are relevant to today's technological world. Podcasts and audio recorded interviews/talk shows will provide students with the opportunity to learn about audio equipment, settings, recording, and editing, and output. The video portion of the course will cover camera setup and operations, training on various gimbal, tripod, anchoring systems, and stabilization. Filming techniques such as lighting, positioning, tracking, planning, storyboard creation, video editing, effects, and output.



## PROGRAM PATHWAYS

### Radio and Television

- Principles of Broadcasting (Year 1)
- Audio and Video Production (Year 1)
- Mass Media Production (Year 1)
- Radio and TV II (Year 2)

## ADDITIONAL OPPORTUNITIES

YouTube Channel - Seven Point Productions

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