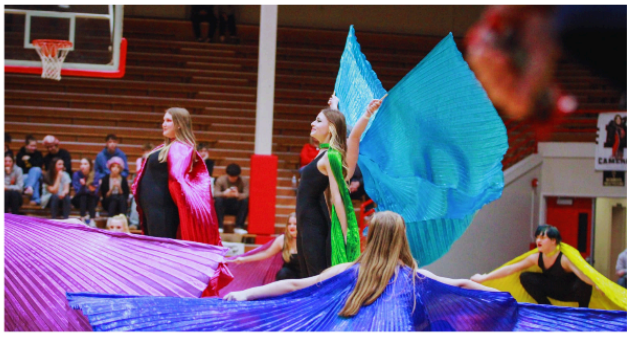
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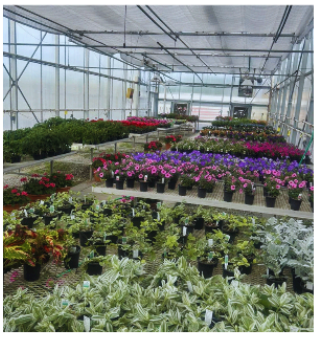
COLLEGE & CAREER PLANNER

2026-27







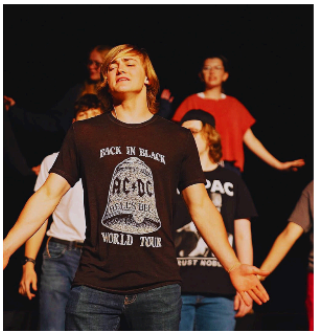












Rushville Consolidated High School

Administrative Staff

Mr. Warren Cook - Principal

Mrs. Elizabeth Meek - Assistant Principal

Mr. James Zachery - Dean of Students

Guidance Staff

Ms. Natalie Hornsby, Guidance Director

Counseling all students, grades 9-12, names beginning A—K

Mrs. Jan Thoman, Academic Counselor

Counseling all students, grades 9-12, names beginning L—Z

Ms. Hannah Augsburger, At-Risk Counselor

Assisting all students grades 9-12

Mr. Kyle Morgan, At-Risk Counselor

Assisting all students grades 9-12

Mission Statement

Rushville Consolidated High School strives for excellence in academics, wellness, technology, and social behavior.

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Recommended Courses, Course Levels, Testing & Criteria

College Recommended Courses

There are certain courses that four-year colleges recommend students take in high school. Listed below are recommended courses for college-bound students. Each college has its own set of admission requirements. You are encouraged to research admission requirements by checking online with the college or university that you would like to attend. These courses generally include:

4 Years of English Language Arts
3 Years of Social Studies
3 Years of Mathematics (Including Algebra I, Geometry, and Algebra II)
3 Years of Science
2 Years of World Languages

Students are required to take seven classes each semester. A total of forty-four (44) credits are required for graduation.

Permission for a student to discontinue any subject at any time must be granted by an administrator, counselor, and the teacher.

Credit Classification:	Sophomore - 8 Credits	Junior - 20 Credits	Senior - 34 Credits

Course Levels Defined

H (Honors): The academic standard should be appropriate to the student who seeks a more rigorous curriculum. This process will begin in the 9th grade and develop through the 12th grade.

DC (Dual Credit): Students earn high school credit as well as college credit if dual credit qualifications are met. Students are responsible for all additional post-secondary fees, including textbook fees, etc.

Honors Qualifications and Standard Course Prerequisites

In order to qualify for honors classes at Rushville Consolidated High School, a student must maintain a grade point average of 3.0 or above, receive a recommendation from the teacher to join the honors course, and complete all necessary prerequisite courses that are required for the standard variation of that course.

Letter Grade	Grade Point Average	Percentage Grade
A+	4.33	99% or Higher
A	4.00	93%
A-	3.67	90%
B+	3.33	87%
B	3.00	83%
B-	2.67	80%
C+	2.33	77%
C	2.00	73%
C-	1.67	70%
D+	1.33	67%
D	1.00	63%
D-	0.67	60%
F	0.00	59% and Below

Career and College Testing Available at RCHS

PSAT / NMSQT (Preliminary Scholastic Assessment Test/National Merit Scholarship Qualifying Test): A practice test for the SAT as well as the test used to determine National Merit Scholarship Qualification. The PSAT is given each October.

SAT: A college entrance examination, generally taken during the junior and/or senior year. Students receive a Critical Reading, Math, and Writing score. The SAT is given in October and May each year at RCHS.

ACT College Readiness Assessment: A college entrance examination, generally taken during the junior and/or senior year. Students receive scores in English, Reading, Math, and Science Reasoning, as well as a composite score.

Indiana Core 40 Diploma (Class of 2023 - Class of 2028)

The purpose of this graduation pathway recommendation from the State Board of Education is to create an educated and talented workforce able not just to meet the needs of business and higher education, but able to succeed in all postsecondary endeavors. To account for the rapidly changing global economy, every K-12 student needs to be given the tools to succeed in some form of quality postsecondary education and training, including an industry-recognized certificate program, an associate's degree program, or a bachelor's degree program.

These recommendations seek to ensure that every Hoosier student graduates from high school with:

1. A broad awareness of and engagement with individual career interests and associated career options.
2. A strong foundation of academic and technical skills.
3. Demonstrable employability skills that lead directly to meaningful opportunities for postsecondary education, training, and gainful employment. Students must satisfy all three of the following Graduation Pathway Requirements by completing one of the associated Pathway Options.

Graduation Pathway Requirements

Graduation Requirements	Graduation Pathway Options
1. High School Diploma	Meet the statutorily defined diploma credit and curricular requirements.
2. Learn & Demonstrate Employability Skills *(Students must complete at least one of the following)*	Learn employability skills standards through locally developed programs. Employability skills are demonstrated by one of the following: ● Project-Based Learning Experience ● Service-Based Learning Experience ● Work-Based Learning Experience
3. Postsecondary-Ready Competencies *(Students must complete at least one of the following)*	**Honors Diploma:** Fulfill all requirements of either the Academic or Technical Honors diploma **ACT:** College-ready benchmarks **SAT:** College-ready benchmarks **ASVAB:** Earn at least a minimum AFQT score to qualify for placement into one of the branches of the US military. Requires an Intent to Enlist Form **State–and Industry-recognized Credential or Certification** **Federally-recognized Apprenticeship** **Career-Technical Education Concentrator:** Must earn a C average or higher in at least two non-duplicative advanced courses within a particular program. **AP/IB/Dual Credit/Cambridge International courses or CLEP Exams:** Must earn a C average or higher in at least three courses **Locally Created Pathway:** Must meet the framework from and earns the approval of the State Board of Education.

Rushville Consolidated High School Graduation Pathways Checklist

Student Name: _____

Pathways Completed: _____ **Graduation Date:** _____

1. Indiana Diploma Designation

- ☐ General Diploma
- ☐ Indiana Core 40 Diploma
- ☐ Academic Honors Diploma
- ☐ Technical Honors Diploma

2. Employability Skills

- ☐ Project-Based Learning Experience
- ☐ Service-Based Learning Experience
- ☐ Work-Based Learning Experience

Validation:

- ☐ Student Work Product
- ☐ School Validation

3. Postsecondary-Ready Competencies

- ☐ Academic or Technical Honors Diploma
- ☐ ACT
  English ____ Math ____
  Reading ____ Science ____
- ☐ SAT
  ERW _____ Math _____
- ☐ ASVAB
  AFQT Score _____
- ☐ State and Industry Recognized Credential or Certification:
  _____
- ☐ Career - Technical Education Concentrator Pathway:
  _____

Course: _____ Grade: _____
Course: _____ Grade: _____
Average Grade: _____ *(Required to be a C or Higher)*

AP or Dual Credit Courses:
Course: _____ Grade: _____
Course: _____ Grade: _____
Course: _____ Grade: _____
Average Grade: _____ *(Required to be a C or Higher)*

***If using AP/Dual Credit, either: 1 of the 3 courses must be in a core content area OR all 3 must be part of a defined curricular sequence.*

Quick Reference

Diploma Requirements Met: _____

Employability Skills Demonstrated: _____

Postsecondary-Readiness Met: _____

Postsecondary-Readiness Met: _____

Graduation Pathways Completed: YES NO

Rushville Consolidated High School Employability Skills Verification Form

Student Name:_____
Date: _____ Graduation Cohort:_____

Project-Based Experience	Service-Based Experience	Work-Based Experience

Describe how you have met the Employability Skills Requirement:
Describe how you have learned and demonstrated the following Employability Skills *(See back of page for reference)*
Mindsets:
Self-Management Skills:
Learning Strategies:
Social Skills:
Workplace Skills:

Indiana Workforce Development - Indiana's Employability Skills Benchmarks

MINDSETS

Intellectual Risk Taking — Develops a healthy balance of mental, social/emotional, and physical well-being; understands that lifelong learning is necessary for long-term career success; willingness to work and learn, and continually apply new knowledge.

Appreciation of Diversity — Embraces diverse views and varying perspectives; demonstrates empathy and respect for others

Self-confidence — Possesses belief in own ability to succeed

Sense of belonging — Demonstrates a sense of belonging in the job environment; demonstrates commitment to an organization.

Career Path — Relates interest, aptitude, and abilities to appropriate in-demand occupations to select a career path.

SELF- MANAGEMENT SKILLS

Pride in Work — Assumes responsibility, takes personal ownership of performance quality; understands shortcomings and sets goals to improve

Self-discipline — Demonstrates self-discipline and self-control

Independence — Works independently; creates relationships with mentors and supervisors that support success

Perseverance — Delays immediate gratification for long-term rewards; demonstrates endurance, follow-through, and capacity to complete tasks

Stress Management — Overcomes barriers to learning in the workplace; demonstrates effective coping skills when faced with a problem; performs under pressure and achieves deadlines

Time Management — Prioritizes and balances school, home, work, and community activities

Adaptability — Manages transitions and adapts to changing situations and responsibilities

Integrity — Trustworthy, honest, and comprehends ethical courses of action

Professionalism — Uses appropriate judgement; demonstrates empathy and respect for others, demonstrates social maturity and behaviors appropriate to the situation and environment; dresses appropriately, speaks politely

Work Ethic — Punctual with good attendance; does not abuse drugs; maintains appropriate hygiene and attire; demonstrates ethical decision-making and social responsibility

LEARNING STRATEGIES

Written Communication — Applies reading, writing, math, and scientific principles and procedures

Decision Making — Utilizes critical thinking skills to make informed decisions based on options, rewards, risks, limits, and goals

Initiative — Applies self-motivation and self-direction to learning

Technology Savvy — Applies existing and emerging media and computer application skills

Attention to Detail — Demonstrates high-quality work by reviewing the detailed aspects of the work process and end products or services.

Organization — Plans and organizes long and short-term academic, career, and social/emotional goals; balances all types of workplace and personal situations

Information Gathering — Observes and gathers evidence and considers multiple perspectives to make informed decisions; locates, organizes, analyzes, and communicates information

Problem Solving — Applies critical thinking skills to complex problems; evaluates causes, problems, patterns, or issues, and explores workable and innovative solutions to improve situations

SOCIAL SKILLS

Oral Communication — Clearly, effectively, and convincingly expresses ideas and messages to others

Teamwork — Creates positive and responsive relationships with peers, colleagues, and customers; uses effective collaboration and cooperation skills

Leadership — Guides, supports, and encourages groups of diverse teams; sharing knowledge and skills when possible

Conflict Management — negotiates to resolve or mediate conflict; avoids potential or perceived conflict

Self-Advocacy — Asserts self when necessary

WORKPLACE SKILLS

Personal Safety — Demonstrates personal safety skills

Follow Directions — Follows employer-established policies and business practices

Resource Allocation — Identifies, leverages, and distributes money and materials effectively and efficiently

Customer Service — Responds quickly to the needs of customers and achieves customer satisfaction

Adapted by the following: ASCA Mindsets and Behaviors Program Planning Tool; National Network of Business and Industry Associations Common Employability Skills; US DOE Employability Skills Framework; WIN and JAG Competencies Alignment, and the Center for Employability Outcomes Workplace Essentials.

Indiana Core 40 Requirements and Designations

Course and Credit Requirements

English Language Arts	**8 Credits**
Including a balance of literature, composition, and speech.	
Mathematics	**6 Credits**
2 credits: Algebra I 2 credits: Geometry 2 credits: Algebra II Or complete Integrated Math I, II, and III for 6 credits *Students must take a math or quantitative reasoning course each year in high school*	
Science	**6 Credits**
2 credits: Biology I 2 credits: Chemistry I, Physics I, or Integrated Chemistry/Physics 2 credits: Any Core 40 science course	
Directed Electives	**5 Credits**
World Languages Fine Arts Career and Technical Education	
Physical Education	**2 Credits**
Health and Wellness	**1 Credit**
Electives*	**6 Credits**
40 Total State Credits Required	

**Specifies the number of electives required by the state. High school schedules provide time for many more electives during the high school years. All students are strongly encouraged to complete a College and Career Pathway (selecting electives deliberately) to take full advantage of career and college exploration and preparation opportunities.*

Indiana Core 40 Diploma with Academic Honors

(Minimum requirement of 47 credits)

Students are Required to:

- ☐ Complete all requirements for Core 40
- ☐ Earn 2 additional Core 40 math credits
- ☐ Earn 6-8 Core 40 world language credits (6 credits in one language or 4 credits each in two different languages)
- ☐ Earn 2 Core 40 fine arts credits (art, band, choir, theater production)
- ☐ Earn a grade of "C" or better in courses that will count toward the diploma
- ☐ Have an overall grade point average of a "B" or better

Complete one of the following:

- ☐ Earn 4 credits in 2 or more AP courses and take corresponding AP exams
- ☐ Earn 6 verifiable college credits in dual credit courses from the approved dual credit list
- ☐ Earn two of the following:
  - ☐ A minimum of 3 verifiable college credits from the approved dual credit list
  - ☐ 2 credits in AP courses and corresponding AP exams
  - ☐ 2 credits in IB standard level courses and corresponding IB exams
- ☐ Earn a composite score of 1250 or higher with a minimum score of 560 on the math and 590 on the evidence-based reading and writing section.
- ☐ Earn an ACT composite score of 26 or higher and complete the written section
- ☐ Earn 4 credits in IB courses and take corresponding IB exams

**Rushville Consolidated High School requires: 6 credits in English to be at the Honors level; 4 credits in Social Studies to be at the Honors level; and 2 credits in Science to be at the Honors level*

Indiana Core 40 Diploma with Technical Honors

(Minimum requirement of 47 credits)

Students are Required to:

- ☐ Complete all requirements for Core 40
- ☐ Earn 6 credits in the college and career preparation courses in a state-approved College and Career Pathway and one of the following:
  - ☐ Pathway designated industry-based certification or credential
  - ☐ Pathway dual credits from the approved dual credit list, resulting in 6 transcripted college credits
- ☐ Earn a grade of "C" or better in courses that will count toward the diploma
- ☐ Have a grade point average of a "B" or better

Complete one of the following:

- ☐ Any one of the options (A-F) of the Core 40 with Academic Honors
- ☐ Earn the following minimum scores on WorkKeys, Workplace Documents, Level 6; Applied Math, Level 6; and Graphic Literacy, Level 5***
- ☐ Earn the minimum score(s) on Accuplacer: Writing 80, Reading 90, Math 75
- ☐ Earn the minimum score(s) on Compass: Algebra 66, Writing 70, Reading 80

Indiana General High School Diploma

The completion of Core 40 is an Indiana graduation requirement. Indiana's Core 40 curriculum provides the academic foundation all students need to succeed in college and the workforce.

To graduate with less than Core 40, the following formal opt-out process must be completed:

- ☐ The student, the student's parent/guardian, and the student's counselor (or another staff member who assists students in course selection) must meet to discuss the student's progress.
- ☐ The student's Graduation Plan (including four-year course plan) is reviewed.
- ☐ The student's parent/guardian determines whether the student will achieve greater educational benefits by completing the general curriculum or the Core 40 curriculum.
- ☐ If the decision is made to opt out of Core 40, the student is required to complete the course and credit requirements for a general diploma, and the career/academic sequence the student will pursue is determined.

Course and Credit Requirements for the Indiana General High School Diploma

English Language Arts	**8 Credits**
Including a balance of literature, composition, and speech.	
Mathematics	**4 Credits**
2 credits: Algebra I or Integrated Math I 2 credits: Any other math course *General diploma students are required to earn 2 credits in a Math or a Quantitative Reasoning (QR) course during their junior or senior year. QR courses do not count as math credits.*	
Science	**4 Credits**
2 credits: Biology I 2 credits: Any other science course *At least 1 credit must be from a Physical Science or Earth and Space Science course*	
Social Studies	**4 Credits**
World Languages Fine Arts Career and Technical Education	
Physical Education	**2 Credits**
Health and Wellness	**1 Credit**
College and Career Pathway Courses	**6 Credits**
Deliberately selecting electives to take full advantage of college and career exploration and preparation opportunities	
Flex Credit	**5 Credits**
Flex Credits must come from one of the following: • Additional elective courses in a College and Career Pathway • Courses involving workplace learning, such as Cooperative Education or Internship courses • High School/college dual credit courses • Additional courses in Language Arts, Social Studies, Mathematics, Science, World Languages, or Fine Arts	
Electives*	**6 Credits**
40 Total State Credits Required	

Schools may have additional local graduation requirements that apply to all students

NEW Indiana Diploma (Beginning with the Class of 2029)

The new diploma structure includes a base (minimum requirements) for every student, plus the opportunity to earn readiness seals aligned with their unique path. Students are encouraged to seize the flexibility by personalizing their high school experience. Students who do not earn a seal must still complete components 2 and 3 of Graduation Pathways. Note: The federally required alternate diploma for students in special education with a significant cognitive disability is still available.

The NEW Indiana Diploma Credit Requirements

English Language Arts	**8 Credits**
2 credits: English 9 1 credit: Communications-focused course 5 Credits: Any other English course	
Mathematics	**7 Credits**
2 credits: Algebra I 1 credit: Personal Finance 4 Credits: Any other math course	
Science, Technology, and Engineering	**7 Credits**
2 credits: Biology I 1 credit: Computer Science 2 credits: STEM Credits 2 credits: Any other science course	
Social Studies	**5 Credits**
2 credits: U.S. History 1 credit: U.S. Government 2 credits: World Perspectives *(Flexible options, including advanced world language or world-focused social studies courses)*	
Physical Education, Health, and Wellness	**2 Credits**
1 credit: Physical Education 1 credit: Health & Wellness	
Personalized Electives	**12 Credit**
Students are encouraged to utilize the new readiness seals to align these personalized electives with their unique goals. Personalized electives can include a variety of courses, such as CTE, Performing or Fine Arts, and World Languages.	
Preparing for College and Careers	**1 Credits**
42 Total State Credits Required	

Blueprint for Success: Readiness Seals

The Indiana Department of Education (IDOE), the Commission for Higher Education, Department of Workforce Development (DWD), higher education and employer partners, and other stakeholders have collaborated over the past year on a comprehensive review of academic and industry credentials for use in a variety of state policy applications. This includes postsecondary credentials, industry-recognized certifications, and professional licenses. This comprehensive review takes into account priority industry sectors for the state, jobs that are in high demand and offer competitive wages, as well as the credentials necessary to be qualified for these roles. Additional details on this comprehensive review and scoring methodology will be shared by DWD in early July. For our K-12 context, below is an overview of the credentials that will allow students to earn a readiness seal during the 2025-2026 school year.

Indiana students and their families must have an education that is personalized to their individual needs and relevant in today's world. Indiana's new high school diploma requirements were strategically designed to better connect students with their unique path ahead, whether they plan to continue their education after high school, go straight into a career, or serve in our Nation's military. With the increased flexibility in the diploma, new readiness seals provide students and parents with a blueprint for success to achieve their unique goals and aspirations. To ensure the readiness seals have currency and are as valuable as possible for students, Indiana leaders continue to collaborate with stakeholders across the state to provide students a direct path to their future upon completion of a seal. Students may earn one or multiple seals.

For more information regarding the guaranteed currency designated by the state of indiana for each Readiness Seal, please visit: https://www.in.gov/doe/files/Indianas-Honors-Plus-Seals.pdf

Although seals are optional, students are encouraged to utilize the blueprints below to focus their flexible credits into a connected pathway that aligns with their future goals. Students may earn one or multiple seals. Graduation Pathways requirements will be satisfied through completion of any seal. Please see the figure on the next page:

	ENROLLMENT	EMPLOYMENT	ENLISTMENT & SERVICE
HONORS SEAL	Complete at least 4 World Language and 6 Social Studies credits Complete at least 8 Math credits: Algebra I plus Geometry, Algebra II, and Pre-Calculus, or any advanced math credits aligned to their course of study Complete at least 6 Science credits: Biology I plus Chemistry and Physics, or any advanced lab science credits aligned to their course of study Earn a grade of C or higher in all courses and earn a cumulative grade of B Complete one of the following: 4 credits in AP courses and pass the corresponding AP exams; 6 college credits; 4 credits in IB courses and take corresponding exams; Score a 1250 on the SAT or a 26 on the ACT	Earn a market-driven credential of value* aligned to a specific occupation or 3 courses in a Career and Technology Education (CTE) pathway Complete 100 hours of work-based learning Demonstrate skill development in Communication, Collaboration, and Work Ethic Meet attendance goal	Complete one of the following: Introduction to Public Service course or approved locally-created equivalent Emphasis on developing an awareness of the physical standards and character required for service; One year of JROTC Achieve a score of 31 on the ASVAB and complete all three components of the Career Exploration Program Meet attendance goal Demonstrate skill development in Communication, Collaboration, and Work Ethic Externally verified through a mentorship experience with current military personnel, veterans, or other public safety professionals
HONORS PLUS SEAL	**Earn the Honors Enrollment Seal, plus:** Earn a credential of value* that may include, for example: an Associate degree; Technical Certificate; Indiana College Core; AP Scholar with Distinction; Cambridge AICE Diploma; or IB Diploma Complete at least 100 hours of work-based learning Demonstrate skill development in the following areas: Communication, Collaboration, and Work Ethic	**Earn the Honors Employment Seal, plus:** Earn a market-driven credential of value* that may include, for example: Associate degree, Technical Certificate; Indiana College Core; or Advanced industry certificate Demonstrate skill development in Communication, Collaboration, Work Ethic, and any additional skills determined locally	**Earn the Honors Enlistment Seal, plus:** Achieve a score of 50 or higher on the ASVAB Demonstrate excellence in leadership through one of the following: Completion of a least 100 hours of public service; Holding a leadership role in a co/extracurricular activity; Completion of two seasons of a team-based physical sport or activity
	Note: the credentials of value levels are currently being determined by business and industry		

Whitewater Career Center - Graduation Pathways Opportunities

Advanced Manufacturing

Precision Machining Technology

Offered at Whitewater Career Center

IDOE Code	Principles	IDOE Code	CTE Concentrator A	IDOE Code	CTE Concentrator B
7109	Principles of Precision Machining	7105	Precision Machining Fundamentals	7107	Advanced Precision Machining

7109 Principles of Precision Machining

Principles of Precision Machining provides students with a basic understanding of the processes used to produce industrial goods. Classroom instruction and labs will focus on shop safety, measurement, layout, blueprint reading, shop math, metallurgy, the use of basic hand tools, milling, turning, grinding, and sawing operations. This course prepares the student for the optional National Institute for Metalworking Skills (NIMS) Measurement, Materials, & Safety Certification, which may be required for college dual credit.

7105 Precision Machining Fundamentals

Precision Machining Fundamentals will build a foundation in conventional milling and turning. Students will be instructed in the classroom on topics of shop safety, theory, industrial terminology, and calculations. Lab work will consist of the setup and operation of vertical and/or horizontal milling machines and engine lathes. This course prepares the student for the optional National Institute for Metalworking Skills (NIMS) Milling I Certification, which may be required for college dual credit.

7107 Advanced Precision Machining

Advanced Precision Machining builds upon the Turning and Milling processes learned in Precision Machining Fundamentals and builds a foundation in abrasive-process machines. Students will be instructed in the classroom on topics of shop safety, theory, industrial terminology, and calculations associated with abrasives. Lab work will consist of the setup and operation of bench grinders and surface grinders. Additionally students will be introduced to Computerized Numeric Controlled (CNC) setup, operations and programming. This course prepares the student for the optional National Institute for Metalworking Skills (NIMS) Grinding I Certification, which may be required for college dual credit.

Welding Technology Offered at Whitewater Career Center					
IDOE Code	Principles	IDOE Code	CTE Concentrator A	IDOE Code	CTE Concentrator B
7110	Principles of Welding Technology	7111	Shielded Metal Arc Welding	7101	Gas Welding Processes

7110 Principles of Welding Technology

The Principles of Welding Technology course includes classroom and laboratory experiences that develop a variety of skills in oxy-fuel cutting and basic welding. This course is designed for individuals who intend to make a career as a Welder, Technician, Designer, Researcher, or Engineer. Emphasis is placed on safety at all times. OSHA standards and guidelines endorsed by the American Welding Society (AWS) are used. Instructional activities emphasize properties of metals, safety issues, blueprint reading, electrical principles, welding symbols, and mechanical drawing through projects and exercises that teach students how to weld and be prepared for postsecondary and career success.

7111 Shielded Metal Arc Welding

Shielded Metal Arc Welding provides students with exposure to both the theory behind and the practical application of the Shielded Metal Arc Welding process. Covered theory will include basic electricity, power sources, electrode selection, and all aspects pertaining to equipment operation and maintenance. Laboratory welds will be performed in basic weld joints with a variety of electrodes in the flat, horizontal and vertical positions. Emphasis will be placed on developing the basic skills necessary to comply with AWS industry standards.

7101 Gas Welding Processes

Gas Welding Processes is designed to cover the operation of Gas Metal Arc Welding (MIG) equipment. This will include all settings, adjustments and maintenance needed to weld with a wire feed system. Instruction on both short-arc and spray-arc transfer methods will be covered. Tee, lap, and open groove joints will be done in all positions with solid, fluxcore, and aluminum wire. Test plates will be made for progress evaluation. Schools may choose to offer the course as a comprehensive MIG Welding course or a combination of introductory MIG and TIG Welding operations

Architecture and Construction

Construction Technology Offered at Whitewater Career Center					
IDOE Code	Principles	IDOE Code	CTE Concentrator A	IDOE Code	CTE Concentrator B
7130	Principles of Construction Trades	7123	Construction Trades: General Carpentry	7122	Construction Trades: Framing and Finishing

7130 Principles of Construction Trades

Principles of Construction Trades provides students with the basic skills needed to continue in a construction trade field. Covered topics include an introduction to the types and uses for common hand and power tools, learn the types and basic terminology associated with construction drawings, and basic worksite safety. Additionally, students study the roles of individuals and companies within the construction industry. Emphasis is placed on the importance of mathematical and communication skills within the construction industry.

7123 Construction Trades: General Carpentry

Construction Trades: General Carpentry builds upon the skills learned in the Principles of Construction Trades and examines the basics of framing. Students learn the procedures for laying out and constructing floor systems, wall systems, and ceiling joists. Students also spend time learning the principles of roof framing, and basic stair layout. Additionally, students will be introduced to building envelope systems.

7122 Construction Trades: Framing and Finishing

Construction Trades: Framing and Finishing prepares students with advanced framing skills along with interior and exterior finishing techniques. Covered topics include roofing applications, thermal and moisture protection, exterior finishing, cold-formed steel framing, drywall installation and finishing, doors and door hardware, suspended ceilings, window, door, floor, and ceiling trim, and cabinet installation.

Electricity Offered at Whitewater Career Center					
IDOE Code	Principles	IDOE Code	CTE Concentrator A	IDOE Code	CTE Concentrator B
7130	Principles of Construction Trades	7124	Electrical Fundementals	7119	Advanced Electrical

7130 Principles of Construction Trades

Principles of Construction Trades provides students with the basic skills needed to continue in a construction trade field. Covered topics include an introduction to the types and uses for common hand and power tools, learn the types and basic terminology associated with construction drawings, and basic worksite safety. Additionally, students study the roles of individuals and companies within the construction industry. Emphasis is placed on the importance of mathematical and communication skills within the construction industry.

7124 Construction Trades: Electrical Fundamentals

This course covers the materials present within the NCCER Electrical Level 1 Certificate. Included modules cover topics such as an overview of the electrical trade, electrical safety, introduction to electrical circuits, electrical theory, introduction to the National Electrical Code, device boxes, hand bending, raceways and fittings, conductors and cables, basic electrical construction drawings, residential electrical services, and electrical test equipment. The NCCER Electrical Level 1 Certificate and wallet card will also be awarded upon successful completion of this course.

7119 Construction Trades: Advanced Electrical

Advanced Electrical covers topics such as alternating current, motors (theory and application), electric lighting, conduit bending, and pull and junction boxes. The second part of the course will cover topics such as conductor installations, cable tray, conductor terminations and splices, grounding and bonding, circuit breakers and fuses, control systems, and additional electrical concepts. Students will be ready to complete the NCCER Electrical Level 2 Certificate upon successful completion of the course.

Arts, AV Tech, and Communication

Graphic Design Offered at Whitewater Career Center					
IDOE Code	Principles	IDOE Code	CTE Concentrator A	IDOE Code	CTE Concentrator B
7140	Principles of Digital Design	7141	Digital Design Graphics	7138	Interactive Media Design

7140 Principles of Digital Design

Principles of Digital Design introduces students to fundamental design theory. Investigations into design theory and color dynamics will provide experiences in applying design theory, ideas and creative problem solving, critical peer evaluation, and presentation skills. Students will have the opportunity to apply the design theory through an understanding of basic photographic theory and technique. Topics will include image capture, processing, various output methods, and light.

7141 Digital Design Graphics

Digital Design Graphics will help students to understand and create the most common types of computer graphics used in visual communications. Skills are developed through work with professional vector-based and page layout software used in the industry. Additionally, students will be introduced to a full range of image input technology and manipulation including conventional photography, digital imaging, and computer scanners. Students will learn to communicate concepts and ideas through various imaging devices.

7138 Interactive Media Design

Interactive Media Design focuses on the tools, strategies, and techniques for interactive design and emerging technologies, like web and social media. Students will learn the basics of planning, shooting, editing and post-producing video and sound. Additionally, students will explore the process of integrating text, graphics, audio and video for effective communication of information.

Transportation, Distribution, and Logistics

Automotive Collision Technology

Offered at Whitewater Career Center

IDOE Code	Principles	IDOE Code	CTE Concentrator A	IDOE Code	CTE Concentrator B
7215	Principles of Collision Repair	7204	Automotive Body Repair	7206	Plastic Body Repair and Painting Fundamentals

7215 Principles of Collision Repair

Principles of Collision Repair provides students an overview of the operating, electrical, and general maintenance systems of the modern automobile. Students will be introduced to the safety and operation of equipment and tools used in the automotive collision industry. Students will study the basics of collision repair, along with learning to perform basic service and maintenance including the car's starting and charging system.

7204 Automotive Body Repair

Automotive Body Repair provides students with an understanding of the materials, measuring, welding, and information resources applicable to collision repair. Students will study steel and aluminum dent repair, including the welding practices commonly performed within an automotive repair environment. Basic skills and knowledge in oxy-fuel welding, cutting, brazing and plasma cutting, gas metal arc welding, squeeze type resistance welding, exterior panel welding and I-CAR welding test preparation will be gained. Students will also learn the installation of moldings, ornaments, and fasteners with emphasis on sheet metal analysis and safety.

7206 Plastic Body Repair and Paint Fundamentals

Plastic Body Repair and Paint Fundamentals introduces the types of fiberglass and plastic materials used in auto body repair and considerations for automotive painting. Students will explore methods for repairing fiberglass and plastic damage, like welding, reinforcing, repairing holes, and retexturing plastic. Students will be asked to demonstrate the proper use of primers and sealers, spraying techniques, and an understanding of various paint finishes.

Automotive Technology Offered at Whitewater Career Center					
IDOE Code	Principles	IDOE Code	CTE Concentrator A	IDOE Code	CTE Concentrator B
7213	Principles of Automotive Services	7205	Brake Systems	7212	Steering and Suspensions

7213 Principles of Automotive Services

Principles of Automotive Services gives students an overview of the operating and general maintenance systems of the modern automobile. Students will be introduced to the safety and operation of equipment and tools used in the automotive industry. Students will study the maintenance and light repair of automotive systems. Also, this course gives students an overview of the electrical operating systems of the modern automobile. Students will be introduced to the safety and operation of equipment and tools used in the electrical diagnosis and repair in the automotive electrical industry. Students will study the fundamentals of electricity and automotive electronics.

7205 Brake Systems

Brake Systems teaches theory, service, and repair of automotive braking systems. This course provides an overview of various mechanical brake systems used on today's automobiles. This course will emphasize professional diagnosis and repair methods for brake systems.

7212 Steering and Suspensions

Steering and Suspensions will cover driveline theory and in-car service procedures. Theory and overhaul procedures related to the driveshaft and axle assemblies for front and rear wheel drive vehicles are included as well. Additionally, the course teaches theory, service and repair of automotive steering, and suspension systems. It provides an overview of various mechanical, power, and electrical steering and suspension systems used on today's automobiles and will emphasize professional diagnosis and repair methods for steering and suspension systems.

Diesel Technology Offered at Whitewater Career Center					
IDOE Code	Principles	IDOE Code	CTE Concentrator A	IDOE Code	CTE Concentrator B
7216	Principles of Diesel Technology	7210	Diesel Steering and Brakes	7211	Diesel Transmissions

7216 Principles of Diesel Technology

Principles of Diesel Technology introduces the maintenance requirements and procedures of modern diesel engines and medium and heavy-duty trucks. Proper procedures and requirements for the Federal Highway Safety Inspection (DOT) will be discussed and practiced. In addition, this course gives students an overview of the electrical operating systems of the modern automobile. Students will be introduced to the safety and operation of equipment and tools used in electrical diagnosis and repair in the automotive electrical industry. Students will study the fundamentals of electricity and automotive electronics.

7210 Diesel Steering and Brakes

Diesel Steering and Brakes studies steering and suspension systems commonly used on modern tractors and trailers. Topics will include steering and suspension components, power steering units, alignment theory and procedures, tire repair and service, and wheel balancing. Diagnosis, repair, and servicing of components including modern air suspension systems will be emphasized. Additionally, this course will cover theory, service, and repair of medium and heavy truck brake systems and their components. Emphasis is given to air brakes and their theory of operation, repair, and service of system components. Spring brakes and anti-lock systems will be studied on tractors and trailers.

7211 Diesel Transmissions

Diesel Transmissions explores theory, diagnosis, and overhaul procedures related to manual transmissions and differentials. Course topics include service of twin countershaft, under-drive, overdrive, power-dividers, and air shift systems. Additionally, this course studies precision tools, equipment, and procedures needed to repair modern diesel engines. Repair, proper assembly, and component identification are examined along with service of removable cylinder liners.

Health Science

Health Science Offered at Whitewater Career Center					
IDOE Code	Principles	IDOE Code	CTE Concentrator A	IDOE Code	CTE Concentrator B
7168	Principles of Healthcare	5274	Healthcare Fundamentals	7156	Technical Skills Development

7168 Principles of Healthcare

Principles of Healthcare content examines skills common to specific health career topics such as patient nursing care, dental care, animal care, medical laboratory, public health, and an introduction to healthcare systems. Lab experiences are organized and planned around the activities associated with the student's career objectives.

5274 Healthcare Fundamentals

Healthcare Fundamentals prepares students with language skills necessary for effective, independent use of health and medical reference materials. It includes the study of health and medical abbreviations, symbols, and Greek and Latin word part meanings, all taught within the context of body systems. Introduces cells, tissues, and human anatomy highlighting essential physiological principles through a systemic approach. Additionally, the course provides a general overview of basic concepts and terminology used in anatomy and physiology as applicable to health sciences and healthcare occupations. This course builds skills in pronouncing, spelling, and defining new words encountered in verbal and written information in the healthcare industry. Students have the opportunity to acquire essential skills for accurate and logical communication, and interpretation of medical records. Emphasis is on forming a foundation of a medical vocabulary including appropriate and accurate meaning, spelling, and pronunciation of medical terms, abbreviations, signs, and symbols.

7156 Technical Skills Development

The Technical Skills Development course may be used to provide students with the opportunity to apply the technical knowledge and skills learned in a Concentrator A or B course through additional real world learning experiences such as lab activities, project based learning or a work-based learning experience. Students must be co-enrolled in a Concentrator A and/or B course in order to be enrolled in the Technical Skills Development course.

Hospitality and Tourism

Culinary Arts Offered at Whitewater Career Center					
IDOE Code	Principles	IDOE Code	CTE Concentrator A	IDOE Code	CTE Concentrator B
7173	Principles of Culinary Arts and Hospitality	7171	Nutrition	7169	Culinary Arts

7173 Principles of Culinary and Hospitality

Principles of Culinary and Hospitality is designed to develop an understanding of the hospitality industry and career opportunities, and responsibilities in the food service and lodging industry. Introduces procedures for decision making which affects operation management, products, labor, and revenue. Additionally, students will learn the fundamentals of food preparation, basic principles of sanitation, service procedures, and safety practices in the food service industry including proper operation techniques for equipment.

7171 Nutrition

Nutrition students will learn the characteristics, functions and food sources of the major nutrient groups and how to maximize nutrient retention in food preparation and storage. Students will be made aware of nutrient needs throughout the life cycle and to apply those principles to menu planning and food preparation. This course will engage students in hands-on learning of nutritional concepts such as preparing nutrient dense meals or examining nutritional needs of student athletes.

7169 Culinary Arts

Culinary Arts teaches students how to prepare the four major stocks, the five mother sauces (in addition to smaller sauces) and various soups. Additional emphasis is placed on the further development of the classical cooking methods. This course will also present the fundamentals of baking science including terminology, ingredients, weights and measures, and proper use and care of equipment. Students will produce yeast goods, pies, cakes, cookies, and quick breads.

Human Services

Cosmetology Offered at Whitewater Career Center					
IDOE Code	Principles	IDOE Code	CTE Concentrator A	IDOE Code	CTE Concentrator B
7330	Principles of Barbering and Cosemtology	7331	Barbering and Cosmetology Fundamentals	7332	Advanced Cosmetology

7330 Principles of Barbering and Cosmetology

Principles of Barbering and Cosmetology offers an introduction to cosmetology with emphasis on basic practical skills and theories including roller control, quick styling, shampooing, hair coloring, permanent waving, facials, manicuring, business and personal ethics, bacteriology, and sanitation. Successful completion of the course requires at least 375 Cosmetology studio hours.

7331 Barbering and Cosmetology Fundamentals

Barbering and Cosmetology Fundamentals focuses on the development of practical skills introduced in Principles of Barbering and Cosmetology. Clinical application and theory in the science of barbering and cosmetology are introduced. Successful completion of the course requires at least 375 Cosmetology studio hours.

7332 Advanced Cosmetology

Advanced Cosmetology will emphasize the development of advanced skills in styling, hair coloring, permanent waving, facials, manicuring, chemical texturizing, and hair cutting techniques. Students will also further study anatomy and physiology as it applies to hair care professions. Successful completion of the course requires at least 375 studio hours.

KLR Medical Certification Training School - Graduation Pathway Opportunities

Dental Careers

Dental Careers Offered with KLR Medical Certification Training School					
IDOE Code	Principles	IDOE Code	CTE Concentrator A	IDOE Code	CTE Concentrator B
7315	Principles of Dental Careers	7316	Dental Career Fundamentals	7317	Advanced Dental Careers

7315 Principles of Dental Careers

Principles of Dental Careers will provide the foundational knowledge and skills necessary to pursue a career in the dental field. A focus will be placed on the role of the modern dental assistant and will cover key pre-clinical procedures and beginning dental terminology.

7316 Dental Careers Fundamentals

Dental Careers Fundamentals will build upon the knowledge and skills in the principles course. Students will understand and practice beginning chairside functions of the dental assistant along with a focus on the anatomy and physiology of the head, neck, and oral cavity. Students will also study tooth anatomy, physiology, and morphology. This part of the program will prepare students for the Anatomy, Morphology, and Physiology exam of the NELDA certification.

7317 Advanced Dental Careers

Advanced Dental Careers will build upon the knowledge and skills developed in the first two courses. Students will study more advanced chairside assisting functions along with advanced infection control techniques. Additionally, students will explore preventive dentistry practices and dental emergencies. This course will prepare students for the ICE exam of the NELDA certification.

Pharmacy

Pharmacy Offered with KLR Medical Certification Training School					
IDOE Code	Principles	IDOE Code	CTE Concentrator A	IDOE Code	CTE Concentrator B
7168	Principles of Healthcare	5274	Healthcare Fundamentals	7167	Pharmacy Tech

7168 Principles of Healthcare

Principles of Healthcare content examines skills common to specific health career topics such as patient nursing care, dental care, animal care, medical laboratory, public health, and an introduction to healthcare systems. Lab experiences are organized and planned around the activities associated with the student's career objectives.

5274 Healthcare Fundamentals

Healthcare Fundamentals prepares students with language skills necessary for effective, independent use of health and medical reference materials. It includes the study of health and medical abbreviations, symbols, and Greek and Latin word part meanings, all taught within the context of body systems. Introduces cells, tissues, and human anatomy highlighting essential physiological principles through a systemic approach. Additionally, the course provides a general overview of basic concepts and terminology used in anatomy and physiology as applicable to health sciences and healthcare occupations. This course builds skills in pronouncing, spelling, and defining new words encountered in verbal and written information in the healthcare industry. Students have the opportunity to acquire essential skills for accurate and logical communication, and interpretation of medical records. Emphasis is on forming a foundation of a medical vocabulary including appropriate and accurate meaning, spelling, and pronunciation of medical terms, abbreviations, signs, and symbols.

7167 Pharmacy Tech

The Pharmacy Technician course introduces the student to the foundational principles, career concepts, and entry-level skills and duties typically performed by a pharmacy technician in community/retail, hospital/health system, and other pharmacy practice settings. Classroom and lab activities provide opportunities for demonstration of knowledge, understanding, and proficiency in technical and customer service applications related to the role and scope of practice of a pharmacy technician. Essential pharmacy calculations are presented with emphasis on the development of problem-solving skills for safe pharmacy practices.

Veterinary Science

Veterinary Science Offered with KLR Medical Certification Training School					
IDOE Code	Principles	IDOE Code	CTE Concentrator A	IDOE Code	CTE Concentrator B
7280	Principles of Veterinary Science	7281	Veterinary Science	5070	Advanced Life Science: Animals

7280 Principles of Veterinary Science

Principles of Veterinary Science provides students with an overview of the small and large animal veterinary industry which includes companion, food, and exotic animals. Principles of Veterinary Science provides students with an overview of common veterinary careers, including: veterinary assistant, veterinary technician, and veterinarian. Students will learn the foundational knowledge necessary for a career working with either large or small animals. Students will also begin developing practical lab skills and an understanding of common veterinary office practices.

7281 Veterinary Science

Veterinary Science provides students with opportunities to participate in a variety of activities including laboratory work. Students will explore concepts including: medical terminology, laboratory procedures, clinical examination procedures, and the principles of animal diseases. Students will be introduced to issues associated with working in a veterinary clinic, veterinary clinic management, and veterinary law and ethics.

5070 Advanced Life Science: Animals

Advanced Life Science: Animals provides students with opportunities to participate in a variety of activities including laboratory work. Students will explore concepts related to history and trends in animal agriculture as related to animal welfare, husbandry, diseases and parasites, laws and practices relating to handling, housing, environmental impact, global sustainable practices of animal agriculture, genetics, breeding practices, biotechnology uses, and comparative knowledge of anatomy and physiology of animals used in animal agriculture.

Health Science

Central Service Tech/Surgical Offered with KLR Medical Certification Training School					
IDOE Code	Principles	IDOE Code	CTE Concentrator A	IDOE Code	CTE Concentrator B
7168	Principles of Healthcare	5274	Healthcare Fundamentals	7163	Central Service Technician

7168 Principles of Healthcare

Principles of Healthcare content examines skills common to specific health career topics such as patient nursing care, dental care, animal care, medical laboratory, public health, and an introduction to healthcare systems. Lab experiences are organized and planned around the activities associated with the student's career objectives.

5274 Healthcare Fundamentals

Healthcare Fundamentals prepares students with language skills necessary for effective, independent use of health and medical reference materials. It includes the study of health and medical abbreviations, symbols, and Greek and Latin word part meanings, all taught within the context of body systems. Introduces cells, tissues, and human anatomy highlighting essential physiological principles through a systemic approach. Additionally, the course provides a general overview of basic concepts and terminology used in anatomy and physiology as applicable to health sciences and healthcare occupations. This course builds skills in pronouncing, spelling, and defining new words encountered in verbal and written information in the healthcare industry. Students have the opportunity to acquire essential skills for accurate and logical communication, and interpretation of medical records. Emphasis is on forming a foundation of a medical vocabulary including appropriate and accurate meaning, spelling, and pronunciation of medical terms, abbreviations, signs, and symbols.

7163 Central Service Technician Fundamentals

The Central Service Technician Fundamentals course introduces students to the field of central service and prepares students to identify surgical instruments by category, type, and use. Students will learn the principles and importance of the flow of material along with the environmental control factors affecting the central service department. The student will differentiate between equipment management systems and compare out-sourcing and insourcing.

Certified Clinical Medical Assistant Offered with KLR Medical Certification Training School					
IDOE Code	Principles	IDOE Code	CTE Concentrator A	IDOE Code	CTE Concentrator B
7168	Principles of Healthcare	5274	Healthcare Fundamentals	7164	Certified Clinical Medical Assistant

7168 Principles of Healthcare

Principles of Healthcare content examines skills common to specific health career topics such as patient nursing care, dental care, animal care, medical laboratory, public health, and an introduction to healthcare systems. Lab experiences are organized and planned around the activities associated with the student's career objectives.

5274 Healthcare Fundamentals

Healthcare Fundamentals prepares students with language skills necessary for effective, independent use of health and medical reference materials. It includes the study of health and medical abbreviations, symbols, and Greek and Latin word part meanings, all taught within the context of body systems. Introduces cells, tissues, and human anatomy highlighting essential physiological principles through a systemic approach. Additionally, the course provides a general overview of basic concepts and terminology used in anatomy and physiology as applicable to health sciences and healthcare occupations. This course builds skills in pronouncing, spelling, and defining new words encountered in verbal and written information in the healthcare industry. Students have the opportunity to acquire essential skills for accurate and logical communication, and interpretation of medical records. Emphasis is on forming a foundation of a medical vocabulary including appropriate and accurate meaning, spelling, and pronunciation of medical terms, abbreviations, signs, and symbols.

7164 Certified Clinical Medical Assistant

The Certified Clinical Medical Assistant (CCMA) course will prepare students for the National Healthcare Association CCMA exam. Instruction includes taking and recording vital signs, preparing patients for examination, patient education, and assisting the physician during the exam. The collecting and preparation of laboratory specimens and basic laboratory testing will be covered. The course prepares students for the administration of medication, venipuncture, ECG, and wound care and provides a basic understanding of the clinical and administrative duties and responsibilities pertinent to medical offices. Instruction in medical correspondence and records, case histories of patients, filing, telephone procedures, appointment scheduling, receptionist duties, and processing mail is also included. Written, verbal, and nonverbal communications according to patient needs are covered as well as documentation and associated legal and ethical boundaries.

Rushville Consolidated High School - Graduation Pathway Opportunities

Agriculture, Food, and Natural Resources

Agri-Science

Offered at Rushville Consolidated High School

IDOE Code	Principles	IDOE Code	CTE Concentrator A	IDOE Code	CTE Concentrator B
7117	Principles of Agriculture	5008	Animal Science	5070	Advanced Life Science: Animals

Ag Mechanical and Engineering

Offered at Rushville Consolidated High School

IDOE Code	Principles	IDOE Code	CTE Concentrator A	IDOE Code	CTE Concentrator B
7117	Principles of Agriculture	5088	Agriculture Power, Structure, and Technology	7112	Agriculture Structures, Fabrication, and Design

Horticulture

Offered at Rushville Consolidated High School

IDOE Code	Principles	IDOE Code	CTE Concentrator A	IDOE Code	CTE Concentrator B
7117	Principles of Agriculture	5132	Horticultural Science	7114	Greenhouse and Soilless Production

Landscaping

Offered at Rushville Consolidated High School

IDOE Code	Principles	IDOE Code	CTE Concentrator A	IDOE Code	CTE Concentrator B
7117	Principles of Agriculture	5132	Horticultural Science	7115	Landscape and Turf Management

Architecture and Construction

Building and Facilities Maintenance

Offered at Rushville Consolidated High School

IDOE Code	Principles	IDOE Code	CTE Concentrator A	IDOE Code	CTE Concentrator B
7130	Principles of Construction Trades	7285	Building and Facilities Maintenance	7286	Advanced Building and Facilities

Arts, AV Tech, and Communications

Digital Design

Offered at Rushville Consolidated High School

IDOE Code	Principles	IDOE Code	CTE Concentrator A	IDOE Code	CTE Concentrator B
7140	Principles of Digital Design	7141	Digital Design Graphics	7138	Interactive Media Design

Business Management and Administration

Business Operations and Technology

Offered at Rushville Consolidated High School

IDOE Code	Principles	IDOE Code	CTE Concentrator A	IDOE Code	CTE Concentrator B
4562	Principles of Business Management	5914	Marketing Fundamentals	4524	Accounting Fundamentals

Criminal Justice

Principles of Criminal Justice Offered at Rushville Consolidated High School					
IDOE Code	Principles	IDOE Code	CTE Concentrator A	IDOE Code	CTE Concentrator B
7193	Principles of Criminal Justice	7191	Law Enforcement Fundamentals	7188	Corrections and Cultural Awareness

Education and Training

Education and Training Offered at Rushville Consolidated High School					
IDOE Code	Principles	IDOE Code	CTE Concentrator A	IDOE Code	CTE Concentrator B
7161	Principles of Teaching	7157	Child and Adolescent Development	7162	Teaching and Learning

Fire and Rescue

Principles of Fire and Rescue Offered at Rushville Consolidated High School					
IDOE Code	Principles	IDOE Code	CTE Concentrator A	IDOE Code	CTE Concentrator B
7195	Principles of Fire and Rescue	7189	Fire Fighting Fundamentals	7186	Advanced Fire Fighting

Finance

Accounting

Offered at Rushville Consolidated High School

IDOE Code	Principles	IDOE Code	CTE Concentrator A	IDOE Code	CTE Concentrator B
4562	Principles of Business Management	4524	Accounting Fundamentals	4522	Advanced Accounting

Health and Human Services

Biomedical Sciences and Technology

Offered at Rushville Consolidated High School

IDOE Code	Principles	IDOE Code	CTE Concentrator A	IDOE Code	CTE Concentrator B
5218	Principles of Biomedical Science	5216	Human Body Systems	5217	Medical Intervention

Principles of Healthcare

Offered at Rushville Consolidated High School

IDOE Code	Principles	IDOE Code	CTE Concentrator A	IDOE Code	CTE Concentrator B
7168	Principles of Healthcare	5274	Healthcare Fundamentals	7165	Emergency Medical Tech

Marketing

Marketing and Sales

Offered at Rushville Consolidated High School

IDOE Code	Principles	IDOE Code	CTE Concentrator A	IDOE Code	CTE Concentrator B
4562	Principles of Business Management	5914	Marketing Fundamentals	5918	Strategic Marketing

Locally Created Pathways

Civic Arts - Art

Offered at Rushville Consolidated High School

IDOE Code	Required Class	IDOE Code	Required Class	IDOE Code	Required Class
4562	Principles of Business Management	4000	Introduction to Two-Dimensional Art	4002	Introduction to Three-Dimensional Art
4040	Ceramics I	4040	Ceramics II	4060	Drawing and Painting I
4060	Drawing and Painting II	4064	Drawing and Painting III	4064	Drawing and Painting IV

Civic Arts - Band

Offered at Rushville Consolidated High School

IDOE Code	Required Class	IDOE Code	Required Class
4562	Principles of Business Management	4160	Beginning Concert Band
4168	Intermediate Concert Band	4170	Advanced Concert Band

Civic Arts - Chorus

Offered at Rushville Consolidated High School

IDOE Code	Required Class	IDOE Code	Required Class
4562	Principles of Business Management	4182	Beginning Chorus
4186	Intermediate Chorus	4188	Advanced Chorus

RCHS Course Catalog

Dual Credit Courses

Rushville Consolidated High School offers high school-based dual credit courses through universities and colleges in Indiana. Students earn college and high school credit through these courses. **Students are responsible for all additional post-secondary fees.**

RCHS Course Title	University Dual Credit Course Title	College Credit
Principles of Agriculture - I	AGRI 100 Principles of Agriculture—Ivy Tech	3 Credits
Principles of Agriculture - II	AGRI 102 Ag Business and Farm Management—Ivy Tech	3 Credits
Ag Power, Structure, and Technology I	AGRI 106 Agriculture Mechanization—Ivy Tech College	3 Credits
Horticulture Science	AGRI 116 Survey of Horticulture—Ivy Tech College	3 Credits
Horticulture Science	AGRI 117 Soil Science—Ivy Tech College	3 Credits
Greenhouse and Soilless Production - I	AGRI 129 Greenhouse and Soilless Production—Ivy Tech College	3 Credits
Greenhouse and Soilless Production - II	AGRI 175 Introduction to Greenhouse Management—Ivy Tech College	3 Credits
Animal Science	AGRI 103 Animal Science—Ivy Tech College	3 Credits
Advanced Life Science, Animals	AGRI 107 Advanced Animal Science—Ivy Tech College	3 Credits
Accounting Fundamentals	ACCT 100 Basic College Accounting—Vincennes University	3 Credits
Public Speaking	SPCH S121 Public Speaking—Indiana University	3 Credits
English 11—I	ENGL 111 English Composition—Ivy Tech College	3 Credits
English 11—II	ENGL 215 Rhetoric and Argument—Ivy Tech College	3 Credits
English 12—I	ENGL 206 English Literature—Ivy Tech College	3 Credits
English 12—II	ENGL 223 American Literature—Ivy Tech College	3 Credits
Spanish III—I	SPAN 101 (Spanish Level One) - Ivy Tech College	4 Credits
Spanish III—II	SPAN 102 (Spanish Level Two) - Ivy Tech College	4 Credits
Spanish IV—I	SPAN 201 (Spanish Level Three) - Ivy Tech College	3 Credits
Spanish IV—II	SPAN 202 (Spanish Level Four) - Ivy Tech College	3 Credits
Quantitative Reasoning	MATH 123 Quantitative Reasoning—Ivy Tech College	3 Credits

Pre-Calculus: Algebra/Trigonometry I	MATH 136 College Algebra - Ivy Tech	3 Credits
Pre-Calculus: Algebra/Trigonometry II	MATH 137 Trigonometry with Analytic Geometry —Ivy Tech	3 Credits
Calculus	MATH 211 Calculus I—Ivy Tech College	4 Credits
Chemistry I	CHEM-C 101 Elementary Chemistry 1—Indiana University CHEM-C 121 Elementary Chemistry Lab 1—Indiana University	6 Credits
Biology II	BIOL 101 Introductory Biology—Ivy Tech College	3 Credits
United States History I	HIST 101 Survey of American History I—Ivy Tech College	3 Credits
United States History II	HIST 102 Survey of American History—Ivy Tech College	3 Credits
Education	EDUC—F200—Indiana University	3 Credits
Principles of Digital Design	VISC 101 Design Fundamentals—Ivy Tech	
Digital Design Graphics	VISC 102 Raster Graphics 1—Ivy Tech VISC 115 Vector Graphics & Pub. Design 1—Ivy Tech	3 Credits
Interactive Media Design	VISC 105 Video & Sound—Ivy Tech VISC 110 Web & Social Media—Ivy Tech	3 Credits
Digital Design Capstone	VIDT 210 Production Editing 1—Ivy Tech College	3 Credits
Principles of Healthcare	HLHS 100 Introduction to Healthcare HLHS 104 CPR/Basic Life Support	
Healthcare Fundamentals	HLHS 101 Medical Terminology HLHS 102 Essential Anotomy and Physiology	
Emergency Medical Tech	PARM 102 Emergency Medical Technician	
Whitewater Career Center (WCC) - *To view dual credit offerings, log on to:* ***whitewatercareercenter.org***		

Agricultural Science and Technology

7117DC Principles of Agriculture - Dual Credit

Available Grades 9 - 12
2 Credits, 2 Semesters Required
Prerequisites: None

Principles of Agriculture exposes students to the diversity of career options found within the agricultural industry and to other agribusiness concepts. Students will develop an understanding of the role of agriculture in the United States and globally. Students will explore agriculture, food, and natural resource (AFNR) systems related to the production of food, fiber, and fuel, as well as the associated health, safety, and environmental management systems. Topics covered in the course range from animals, plants, food, natural resources, ag power, structures and technology, and agribusiness. Participation in FFA and Supervised Agricultural Experiences (SAE) will be an integral part of this course to develop leadership and career-ready skills.

5088DC Agriculture Power, Structure, and Technology - Dual Credit

Available Grades 10 - 12
2 Credits, 2 Semesters Required
Prerequisites: Passing Grade in 7117 Principles of Agriculture
Only Offered in Odd Years

Agriculture Power, Structure, and Technology is a lab-intensive course in which students develop an understanding of the basic principles of tool selection, operation, maintenance, and management of agricultural equipment in concert with the utilization of technology. Topics covered include: safety, problem-solving/troubleshooting, electricity, plumbing, concrete, carpentry, metal technology, engines, emerging technologies, leadership development, supervised agricultural experience, and career opportunities in the area of agricultural power, structure, and technology.

7112 Agriculture Structures: Fabrication and Design

Available Grades 10 - 12
2 Credits, 2 Semesters Required
Prerequisites: Passing Grade in 7117 Principles of Agriculture
Only Offered in Even Years

Agricultural Structures: Fabrication and Design focuses on metal work and agricultural structures. This course allows students to develop skills in welding and metalworking, construction, fabrication, machine components and design while incorporating the engineering design process. Students will also cover safety topics for each area while demonstrating appropriate health and safety standards.

5132DC Horticultural Science - Dual Credit

Available Grades 10 - 12
2 Credits, 2 Semesters Required
Prerequisites: Passing Grade in 7117 Principles of Agriculture

Horticulture Science provides students with a background in the field of horticulture. Coursework includes hands-on activities that encourage students to investigate areas of horticulture as it relates to the biology and technology involved in the production, processing, and marketing of horticultural plants and products. Students are introduced to the following areas of horticulture science: reproduction and propagation of plants, plant growth, growth media, management practices for field and greenhouse production, marketing concepts, production of plants of local interest, greenhouse management, floral design, and pest management. Students participate in a variety of activities, including extensive laboratory work, usually in a school greenhouse.

7115 Landscape and Turf Management

Available Grades 10 - 12
2 Credits, 2 Semesters Required
Prerequisites: Passing Grade in 7117 Principles of Agriculture
Only Offered in Even Years

Landscape and Turf Management provides students with an overview of the many career opportunities in the diverse field of landscape and turf management. Students are introduced to the procedures used in the planning and design of a landscape using current technology practices, the principles and procedures involved with landscape construction, the determination of maintenance schedules, communications, and management skills necessary in landscaping operations, and the care and use of equipment utilized by landscapers. Upon completion of the program, students have the opportunity to become Indiana Landscape Industry Certified through a state approved program.

5008DC Animal Science - Dual Credit

Available Grades 10 - 12
2 Credits, 2 Semesters Required
Prerequisites: Passing Grade in 7117 Principles of Agriculture

Animal Science provides students with an overview of the animal agriculture industry. Students participate in a variety of activities and laboratory work, including real and simulated animal science experiences and projects. All areas that the students study may be applied to both large and small animals. Topics to be covered in the course include: history and trends in animal agriculture, laws and practices relating to animal agriculture, comparative anatomy and physiology of animals, biosecurity threats and interventions relating to animal and human safety, nutrition, reproduction, careers, leadership, and supervised agricultural experiences relating to animal agriculture.

7114DC Greenhouse and Soilless Production - Dual Credit

Available Grades 10 - 12
2 Credits, 2 Semesters Required
Prerequisites: Passing Grade in 7117 Principles of Agriculture
Only Offered in Odd Years

Greenhouse and Soilless Production provides an overview of structural designs and uses of enclosed structures (greenhouses) to grow various plants and food. The course will focus on discussing different types of enclosed structures, management systems, and growing systems used to produce plants and food. The course will also present an overview of soilless growing systems such as hydroponics, aquaponics, aeroponics, and fogponics. Students will utilize the school greenhouse as part of this course.

5070DC Advanced Life Science: Animals - Dual Credit

Available Grades 11 - 12
2 Credits, 2 Semesters Required
Prerequisites: Passing Grade in 7117 Principles of Agriculture
Only Offered in Odd Years

Advanced Life Science: Animals provides students with opportunities to participate in various activities, including laboratory work. Students will explore concepts related to history and trends in animal agriculture as related to animal welfare, husbandry, diseases and parasites, laws and practices relating to handling, housing, environmental impact, global sustainable practices of animal agriculture, genetics, breeding practices, biotechnology uses, and comparative knowledge of anatomy and physiology of animals used in animal agriculture.

5228 Supervised Agricultural Experience (SAE)

Available Grades 11 - 12
1-2 Credits, 8 Credits Maximum
Prerequisites: Passing Grade in 7117 Principles of Agriculture and Instructor Recommendation

The Supervised Agricultural Experience (SAE) is designed to provide students with opportunities to gain experience in the agricultural field(s) in which they are interested. Students will apply knowledge learned in the classroom, laboratory, and other training sites to real-life situations with a standards-based learning plan. Students work closely with their agriculture teacher(s), parents, and/or employers to get the most out of their SAE program. This course can be offered each year as well as during the summer session. Curriculum content and competencies need to be varied so that school year and summer session experiences are not duplicative.

Business Education

4565 Computing Foundations for a Digital Age

Available Grades 9 - 12
2 Credits, 2 Semesters Required
Prerequisites: None

Computers and the internet have revolutionized the way we access and disseminate information. As technology continues to change at an ever-increasing pace, the need for students to gain a foundational understanding of computer science is clear. Computing Foundations for a Digital Age is designed to introduce students to five major topics within computer science including computing systems, networks and the internet, data and analysis, algorithms and planning, and impacts of computing. The course introduces foundational computing concepts while exploring current events and building critical thinking, collaboration, problem solving, and other important skills that are invaluable for life in a global and technologically advancing society.

4562 Principles of Business Management

Available Grades 9 - 12
2 Credits, 2 Semesters Required
Prerequisites: None

Principles of Business Management examines business ownership, organization principles and problems, management, control facilities, administration, financial management, and development practices of business enterprises. This course will also emphasize the identification and practice of the appropriate use of technology to communicate and solve business problems and aid in decision making. Attention will be given to developing business communication, problem-solving, and decision-making skills using spreadsheets, word processing, data management, and presentation Software.

4508 Technical/Business Communication

Available Grades 9 - 12
2 Credits, 2 Semesters Required
Prerequisites: None

Technical/Business Communications provides students with the communication and problem-solving skills to function effectively in the workplace. Areas studied include written/oral/visual communication, listening, informational reading, Internet research/analysis, and electronic communication. Concepts addressed will include adapting communication to the situation, purpose, and audience. Students produce related documents such as employee handbooks, instructional manuals, employment communication, organizational communication, business reports, and social/professional situations using word processing, presentation, multimedia, and desktop publishing software.

4524DC Accounting Fundamentals - Dual Credit

Available Grades 10 - 12
2 Credits, 2 Semesters Required
Prerequisites: Principles of Business Management

Accounting Fundamentals introduces the language of business using the Generally Accepted Accounting Principles (GAAP) and procedures for proprietorships and partnerships using double-entry accounting. Emphasis is placed on accounting principles as they relate to both manual and automated financial systems. This course involves understanding, analyzing, and recording business transactions and preparing, analyzing, and interpreting financial reports as a basis for decision-making.

5914 Marketing Fundamentals

Available Grades 10 - 12
2 Credits, 2 Semesters Required
Prerequisites: Principles of Business Management

Marketing Fundamentals provides a basic introduction to the scope and importance of marketing in the global economy. Course topics include the seven functions of marketing: promotion, channel management, pricing, product/service management, market planning, marketing information management, and professional selling skills. Emphasis is marketing content but will involve use of oral and written communications, mathematical applications, problem-solving, and critical thinking skills through the development of an integrated marketing plan and other projects.

5918 Strategic Marketing

Available Grades 11 - 12
2 Credits, 2 Semesters Required
Prerequisites: Principles of Business Management and Marketing Fundamentals

Strategic Marketing builds upon the foundations of marketing and applies the functions of marketing at an advanced level. Students will study the basic principles of consumer behavior and examine the application of theories from psychology, social psychology, and economics. The relationship between consumer behavior and marketing activities will be reviewed.

4512 Business Math

Only Available Grade 12
2 Credits, 2 Semesters Recommended
Prerequisites: Algebra I

Business Math is a course designed to prepare students for roles as entrepreneurs, producers, and business leaders by developing abilities and skills that are part of any business environment. A solid understanding of math including algebra, basic geometry, statistics, and probability provides the necessary foundation for students interested in careers in business and skilled trade areas. The content includes mathematical operations related to accounting, banking and finance, marketing, and management. Instructional strategies should include simulations, guest speakers, tours, Internet research, and business experiences.

7150 Personal Finance and Banking

Available Grades 10 - 12
2 Credits, 2 Semesters Required
Prerequisites: Principles of Business Management

Personal Finance and Banking emphasizes management of individual financial resources for growth and maintenance of personal wealth. Covers home buying and mortgage financing, installment financing, life and health insurance, securities, commodities and other investment opportunities. Students will gain an overview of the banking industry and the financial services provided by banks for individuals and businesses.

Career and Technical Education

7130 Principles of Construction Trades

Available Grades 9 - 12
2 Credits, 2 Semesters Required
Prerequisites: None

Principles of Construction Trades provides students with the basic skills needed to continue in a construction trade field. Covered topics include an introduction to the types and uses for common hand and power tools, learn the types and basic terminology associated with construction drawings, and basic worksite safety. Additionally, students study the roles of individuals and companies within the construction industry. Emphasis is placed on the importance of mathematical and communication skills within the construction industry.

7285 Building and Facilities Maintenance Fundamentals

Available Grades 10 - 12
2 Credits, 2 Semesters Required
Prerequisites: Principles of Construction Trades

Building and Facilities Maintenance Fundamentals prepares students to complete basic maintenance tasks (like minor construction repairs) and be able to repair and/or replace various building materials including flooring, wall covering, hardware, lighting and plumbing fixtures.

7286 Advanced Building and Facilities Maintenance

Available Grades 11 - 12
2 Credits, 2 Semesters Required
Prerequisites: Principles of Construction Trades and Building and Facilities Maintenance Fundamentals

Advanced Building and Facilities Maintenance prepares students to complete more advanced repairs involving a building's mechanical system including electrical, Heating, Ventilation, and Air Conditioning (HVAC), and plumbing.

7168 Principles of Healthcare

Available Grades 11 - 12
2 Credits, 2 Semesters Required
Prerequisites: None

Principles of Healthcare content examines skills common to specific health career topics such as patient nursing care, dental care, animal care, medical laboratory, public health, and an introduction to healthcare systems. Lab experiences are organized and planned around the activities associated with the student's career objectives.

5274 Healthcare Fundamentals

Available Grades 11 - 12
2 Credits, 2 Semesters Required
Prerequisites: Principles of Healthcare

Healthcare Fundamentals prepares students with language skills necessary for effective, independent use of health and medical reference materials. It includes the study of health and medical abbreviations, symbols, and Greek and Latin word part meanings, all taught within the context of body systems. Introduces cells, tissues, and human anatomy highlighting essential physiological principles through a systemic approach. Additionally, the course provides a general overview of basic concepts and terminology used in anatomy and physiology as applicable to health sciences and healthcare occupations. This course builds skills in pronouncing, spelling, and defining new words encountered in verbal and written information in the healthcare industry. Students have the opportunity to acquire essential skills for accurate and logical communication, and interpretation of medical records. Emphasis is on forming a foundation of a medical vocabulary including appropriate and accurate meaning, spelling, and pronunciation of medical terms, abbreviations, signs, and symbols.

7165 Emergency Medical Tech

Available Grades 11 - 12
2 Credits, 2 Semesters Required
Prerequisites: Healthcare Fundamentals

The Emergency Medical Technician (EMT) course is based on the training program developed by the Department of Transportation and the Emergency Medical Services Commission of Indiana. It covers theories, techniques, and operational aspects of pre-hospital emergency care within the scope and responsibility of the emergency medical technician (EMT). It requires laboratory practice and clinical observation in a hospital emergency room and ambulance. Successful completion of the course meets national requirements to test for certification as an NREMT.

7255 Healthcare Specialist Capstone

Available Grades 11 - 12
2 Credits, 2 Semesters Required
Prerequisites: Emergency Medical Tech

The Healthcare Specialist Capstone course will facilitate healthcare students' acquisition of additional knowledge and skills necessary to work in a variety of healthcare settings beyond a long term care facility including hospitals, doctors' offices, and clinics. Students can accomplish this goal by completing coursework that will cover topics such as Medical Law and Ethics, Electronic Health Records, and/or Behavioral Health. Schools may offer additional healthcare certifications such as the Certified Clinical Medical Assistant (CCMA) or Phlebotomy along with the coursework or in place of the coursework.

7195 Principles of Fire and Rescue

Available Grades 11 - 12
2 Credits, 2 Semesters Required
Prerequisites: None

Principles of Fire and Rescue introduces students to the various roles that firefighters and emergency services workers play to protect the public from the loss of life and property. They are frequently the first emergency personnel at the scene of a traffic accident or medical emergency and may be called upon to put out a fire, treat injuries or perform other vital functions. This course will introduce students to the history, terminology, and basic firefighting skills needed for a beginning firefighter. Additionally, students will develop a career plan for a career in public safety including areas of Fire Science, Homeland Security, and Emergency Medical Services.

7189 Fire Fighting Fundamentals

Available Grades 11 - 12
2 Credits, 2 Semesters Required
Prerequisites: Principles of Fire and Rescue

Fire Fighting Fundamentals is for those students who are seeking certification as a firefighter. This course will prepare students for the Hazardous Materials Awareness and Operations certifications and will introduce students to NFPA 1001 which serves as the standard of measurement for all firefighters in North America. Students will learn the knowledge and hands-on practical skills for managing and controlling a hazardous materials incident required for the certifications. Furthermore, students will study how a fire behaves and will learn the basic firefighting skills needed to extinguish a fire while protecting themselves and other firefighters.

7186 Advanced Fire Fighting

Available Grades 11 - 12
2 Credits, 2 Semesters Required
Prerequisites: Fire Fighting Fundamentals

Advanced Fire Fighting expands upon the principles and techniques of firefighting learned in Fire Fighting Fundamentals. Students will study fire protection systems, firefighter safety, and survival. Students will also learn what fire is, the chemical hazards of combustion, and related by-products of fire. Additionally, students will gain a better understanding of fire department organization, administration, operations, and basic strategies and tactics.

7229 Fire and Rescue Capstone

Available Grades 11 - 12
2 Credits, 2 Semesters Required
Prerequisites: Advanced Fire Fighting

Fire and Rescue Capstone will prepare students to earn the EMT certification.

7193 Principles of Criminal Justice

Available Grades 11 - 12
2 Credits, 2 Semesters Required
Prerequisites: None

Principles of Criminal Justice covers the purposes, functions, and history of the three primary parts of the criminal justice system: law enforcement, courts, and corrections. This course further explores the interrelationships and responsibilities of these three primary elements of the criminal justice system.

7191 Law Enforcement Fundamentals

Available Grades 11 - 12
2 Credits, 2 Semesters Required
Prerequisites: Principles of Criminal Justice

Law Enforcement Fundamentals critically examines the history and nature of the major theoretical perspectives in criminology and the theories found within those perspectives. Students analyze the research support for such theories and perspectives and the connections between theory and criminal justice system practice within all the major components of the criminal justice system. The course will allow students to demonstrate the application of specific theories to explain violent and non-violent criminal behavior on both the micro and macro levels of analysis. Additionally, this course will introduce fundamental law enforcement operations and organization. This includes the evolution of law enforcement at federal, state, and local levels.

7188 Corrections and Cultural Awareness

Available Grades 11 - 12
2 Credits, 2 Semesters Required
Prerequisites: Law Enforcement Fundamentals

Corrections and Cultural Awareness emphasizes the study of American criminal justice problems and systems in historical and cultural perspectives, as well as discussing social and public policy factors affecting crime. Multidisciplinary and multicultural perspectives are stressed. Additionally, this course takes a further examination of the American correctional system and the study of administration of local, state, and federal correctional agencies. The examination also includes the history and development of correctional policies and practices, criminal sentencing, jails, prisons, alternative sentencing, prisoner rights, rehabilitation, and community corrections including probation and parole. Current philosophies of corrections and the debates surrounding the roles and effectiveness of criminal sentences, institutional procedures, technological developments, and special populations are discussed.

7231 Criminal Justice Capstone

Available Grades 11 - 12
2 Credits, 2 Semesters Required
Prerequisites: Corrections and Cultural Awareness

The Criminal Justice Capstone course allows students to complete additional instruction to earn a postsecondary certificate and should include a work-based learning component such as job shadowing, internship, etc. once the core content is completed. Note: there may be age restrictions on work-based learning components.

7161 Principles of Teaching

Available Grades 11 - 12
2 Credits, 2 Semesters Required
Prerequisites: None

This course provides a general introduction to the field of teaching. Students will explore educational careers, teaching preparation, and professional expectations as well as requirements for teacher certification. Current trends and issues in education will be examined. A minimum 20 hour classroom observation experience is required for successful completion of this course.

7157 Child and Adolescent Development

Available Grades 11 - 12
2 Credits, 2 Semesters Required
Prerequisites: Principles of Teaching

Child and Adolescent Development examines the physical, social, emotional, cognitive, and moral development of the child from birth through adolescence with a focus on the middle years through adolescence. Basic theories of child development, biological and environmental foundations of development, and the study of children through observation and interviewing techniques are explored. The influence of parents, peers, the school environment, culture, and the media are discussed. An observation experience up to 20 hours may be required for completion of this course. This course has been approved to be offered for dual credit. Students pursuing this course for dual credit are still required to meet the minimum prerequisites for the course and pass the course with a C or better in order for dual credit to be awarded.

7162 Teaching and Learning

Available Grades 11 - 12
2 Credits, 2 Semesters Required
Prerequisites: Child and Adolescent Development

Teaching and Learning provides students the opportunity to apply many of the concepts that they have learned throughout the Education Professions pathway. In addition to a focus on best practices, this course will provide an introduction to the role that technology plays in the modern classroom. Through hands-on experience with educational software, utility packages, and commonly used microcomputer hardware, students will analyze ways to integrate technology as a tool for instruction, evaluation, and management.

Communication

1076 Speech

Available Grades 9 - 12
1 Credit, 1 Semester
Prerequisites: None

Speech, a course based on the Indiana Academic Standards for English/Language Arts, is the study and application of the basic principles and techniques of effective oral communication. Students deliver focused and coherent speeches that convey clear messages, using gestures, tone, and vocabulary appropriate to the audience and purpose. Students deliver different types of oral and multimedia presentations, including viewpoint, instructional, demonstration, informative, persuasive, and impromptu. Students use the same Standard English conventions for oral speech that they use in their writing. **Refusal to deliver any speech will result in no credit.**

1078DC Advanced Speech and Communication - Dual Credit

Only Available Grade 12
1 Credit, 1 Semester
Prerequisites: Speech

Advanced Speech and Communication, a course based on the Indiana Academic Standards for English/Language Arts and emphasizing the High School Speech and Communication Standards, is the study and application of skills in listening, oral interpretation, media communications, research methods, and oral debate. Students deliver different types of oral and multimedia presentations, including speeches to inform, to motivate, to entertain, and to persuade through the use of impromptu, extemporaneous, memorized, or manuscript delivery.

7140DC Principles of Digital Design - Dual Credit

Available Grades 9 - 12
2 Credits, 2 Semesters Required
Prerequisites: None

Principles of Digital Design introduces students to fundamental design theory. Investigations into design theory and color dynamics will provide experiences in applying design theory, ideas and creative problem solving, critical peer evaluation, and presentation skills. Students will have the opportunity to apply the design theory through an understanding of basic photographic theory and technique. Topics will include image capture, processing, various output methods, and light.

7141DC Digital Design Graphics - Dual Credit

Available Grades 10 - 12

2 Credits, 2 Semesters Required
Prerequisites: Principles of Digital Design

Digital Design Graphics will help students to understand and create the most common types of computer graphics used in visual communications. Skills are developed through work with professional vector-based and page layout software used in the industry. Additionally, students will be introduced to a full range of image input technology and manipulation including conventional photography, digital imaging, and computer scanners. Students will learn to communicate concepts and ideas through various imaging devices.

7138DC Interactive Media Design - Dual Credit

Available Grades 11 - 12
2 Credits, 2 Semesters Required
Prerequisites: Principles of Digital Design and Digital Design Graphics
Note: This course produces the daily Lion's Live show and the online radio station The Roar.

Interactive Media Design focuses on the tools, strategies, and techniques for interactive design and emerging technologies, like web and social media. Students will learn the basics of planning, shooting, editing and post-producing video and sound. Additionally, students will explore the process of integrating text, graphics, audio and video for effective communication of information.

7246DC Digital Design Capstone - Dual Credit

Available Grades 11 - 12
2 Credits, 2 Semesters Required
Prerequisites: Principles of Digital Design, Digital Design Graphics, and Interactive Media Design

The Digital Design Capstone course provides students the opportunity to dive deeper into advanced concepts of Visual Communication including user experience/user interface design, video production editing, animation and/or web design. Depending on the length of the course, students may focus their efforts on one area or explore multiple aspects.

1086 Student Media

Available Grades 10 - 12
2 Credits, 2 Semesters Required
Prerequisites: None

Student Media, a course based on the High School Journalism Standards and the Student Media Standards, is the continuation of the study of Journalism. Students demonstrate their ability to do journalistic writing and design for high school media, including school newspapers, yearbooks, and a variety of other media formats. Students follow the ethical principles and legal boundaries that guide scholastic journalism. Students express themselves publicly with meaning and clarity for the purpose of informing, entertaining, or persuading. Students work on high school media staffs so that they may prepare themselves for career paths in journalism, communications, writing, or related fields.

Family and Consumer Science

5342 Nutrition and Wellness

Available Grades 9 - 12
1 Credit, 1 Semester
Prerequisites: None

Nutrition and Wellness is an introductory course valuable for all students as a life foundation and academic enrichment; it is especially relevant for students interested in careers related to nutrition, food, and wellness. This is a nutrition class that introduces students to only the basics of food preparation so they can become self-sufficient in accessing healthy and nutritious foods. Major course topics include nutrition principles and applications; influences on nutrition and wellness; food preparation, safety, and sanitation; and science, technology, and careers in nutrition and wellness. A project-based approach that utilizes higher order thinking, communication, leadership, management processes, and fundamentals to college and career success is recommended in order to integrate these topics into the study of nutrition, food, and wellness. Food preparation experiences are a required component. Direct, concrete mathematics and language arts proficiencies will be applied. This course is the first in a sequence of courses that provide a foundation for continuing and postsecondary education in all career areas related to nutrition, food, and wellness.

5340 Advanced Nutrition and Wellness

Only Available in Grade 12
1 Credit, 1 Semester
Prerequisites: Nutrition and Wellness

Advanced Nutrition and Wellness is a course which provides an extensive study of nutrition. This course is recommended for all students wanting to improve their nutrition and learn how nutrition affects the body across the lifespan. Advanced Nutrition and Wellness is an especially appropriate course for students interested in careers in the medical field, athletic training and dietetics. This course builds on the foundation established in Nutrition and Wellness, which is a recommended prerequisite. This is a project-based course utilizing higher-order thinking, communication, leadership and management processes. Topics include extensive study of major nutrients, nutritional standards across the lifespan, influences on nutrition/food choices, technological and scientific influences, and career exploration in this field. Laboratory experiences will be utilized to develop food handling and preparation skills; attention will be given to nutrition, food safety, and sanitation. This course is the second in a sequence of courses that provide a foundation for continuing and postsecondary education in all career areas related to nutrition, food, and wellness.

5362 Child Development

Available Grades 10 - 12
1 Credit, 1 Semester
Prerequisites: None
Offered 1st Semester Only

Child Development is an introductory course for all students as a life foundation and academic enrichment; it is especially relevant for students interested in careers that draw on knowledge of children, child development, and nurturing of children. This course addresses issues of child development from conception/prenatal through age 3. It includes the study of prenatal development and birth, growth and development of children, child caregiving and nurturing, and support systems for parents and caregivers. A project-based approach that utilizes higher order thinking, communication, leadership, management processes, and fundamentals to college and career success is recommended in order to integrate these topics into the study of child development. Direct, concrete mathematics and language arts proficiencies will be applied. Authentic applications such as introductory laboratory/field experiences with young children and/or service learning that build knowledge of children, child development, and nurturing of children are strongly recommended. This course provides the foundation for continuing and postsecondary education in all career areas related to children, child development, and nurturing of children.

5360 Advanced Child Development

Available Grades 10 - 12
1 Credit, 1 Semester
Prerequisites: None
Offered 2nd Semester Only

Advanced Child Development is for those students interested in life foundations, academic enrichment, and/or careers related to knowledge of children, child development, and nurturing of children. This course addresses issues of child development from ages four through age eight (grade three). It builds on the Child Development course, which is a recommended prerequisite. Advanced Child Development includes the study of professional and ethical issues in child development; child growth and development; child development theories, research, and best practices; child health and wellness; teaching and guiding children; special conditions affecting children; and career exploration in child development and nurturing. A project-based approach that utilizes higher order thinking, communication, leadership, management, and fundamentals to college and career success is recommended in order to integrate these topics into the study of child development. Direct, concrete mathematics and language arts proficiencies will be applied.

Fine Arts

4000 Introduction to Two-Dimensional Art

Available Grades 9 - 12
1 Credit, 1 Semester
Prerequisites: None

Introduction to Two-Dimensional Art is a course based on the Indiana Academic Standards for Visual Art. Emphasis is placed upon developing students' drawing and painting skills and strengthening perceptual awareness. Students will explore various drawing and painting materials (marker, pen/ink, graphite, watercolor, colored pencil, pastel, oil pastel, and acrylic), techniques, and subjects. Students taking this course engage in sequential learning experiences that encompass art history, art criticism, aesthetics, production, and integrated studies and lead to the creation of portfolio-quality works. Students explore historical and cultural background and connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; create two-dimensional works of art, reflect upon the outcomes, and revise their work; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. They identify ways to utilize and support art museums, galleries, studios, and community resources.

4060 Drawing and Painting I

Available Grades 10 - 12
1 Credit, 1 Semester
Prerequisites: Passing Grade in Introduction to Two-Dimensional Art
This class is only available in the fall semester

Drawing and Painting I provides further exploration into the study of art history, art criticism, and aesthetics. Students will continue to expand and reinforce their knowledge of 2D media, techniques, and theories, as well as add study of the elements and principles of art. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art-related careers.

4060 Drawing and Painting II

Available Grades 10 - 12
1 Credit, 1 Semester
Prerequisites: Passing Grade in Drawing and Painting I
This class is only available in the spring semester

Drawing and Painting II provides further exploration into the study of art history, art criticism, and aesthetics. Students will continue to expand and reinforce their knowledge of 2D media, techniques, and theories, as well as add study of the elements and principles of art. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art-related careers.

4064 Drawing and Painting III

Available Grades 11 - 12
1 Credit, 1 Semester
Prerequisites: Passing Grade in Drawing and Painting II
This class is only available in the fall semester

Drawing and Painting III offers a far more extensive study of art history, art criticism, printmaking, scratchboard, and aesthetics. Also, an emphasis on advanced techniques in oil, acrylic, watercolor, collage, pastel, pen/ink, graphite, and colored pencil is specified. Students taking painting engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production that lead to the creation of portfolio-quality works. Students create abstract and realistic paintings, using a variety of materials such as mixed media, watercolor, oil, and acrylics, as well as techniques such as stippling, gouache, wash, and impasto. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art-related careers.

4064 Drawing and Painting IV

Available Grades 11 - 12
1 Credit, 1 Semester
Prerequisites: Passing Grade in Drawing and Painting III
This class is only available in the spring semester

Drawing and Painting IV offers a far more extensive study of art history, art criticism, printmaking, scratchboard, and aesthetics. Also, an emphasis on advanced techniques in oil, acrylic, watercolor, collage, pastel, pen/ink, graphite, and colored pencil is specified. Students taking painting engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production that lead to the creation of portfolio-quality works. Students create abstract and realistic paintings, using a variety of materials such as mixed media, watercolor, oil, and acrylics, as well as techniques such as stippling, gouache, wash, and impasto. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art-related careers.

4004 Advanced Two-Dimensional Art I

Only Available in Grade 12
1 Credit, 1 Semester
Prerequisites: Passing Grade in Drawing and Painting IV
This class is only available in the fall semester

Advanced Two-Dimensional Art is for the experienced art student; the advanced study in art history, art criticism, aesthetics, and media will be covered. The importance of broadening skills, developing creativity, studio production, portfolio development, and time management, and identifying their strengths and limitations will be stressed. Students exhibit use of the elements and principles of art, analyzing and criticizing their own work, work of their peers, and of artists and art styles. Students explore historical and cultural background and connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; create two-dimensional works of art, reflect upon the outcomes, and revise their work; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills.

4004 Advanced Two-Dimensional Art II

Only Available in Grade 12
1 Credit, 1 Semester
Prerequisites: Passing Grade in Advanced Two-Dimensional Art I
This class is only available in the spring semester

Advanced Two-Dimensional Art is for the experienced art student; the advanced study in art history, art criticism, aesthetics, and media will be covered. The importance of broadening skills, developing creativity, studio production, portfolio development, and time management, and identifying their strengths and limitations will be stressed. Students exhibit use of the elements and principles of art, analyzing and criticizing their own work, the work of their peers, and of artists and art styles. Students explore historical and cultural background and connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; create two-dimensional works of art, reflect upon the outcomes, and revise their work; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills.

4002 Introduction to Three-Dimensional Art

Available Grades 9 - 12
1 Credit, 1 Semester
Prerequisites: None

Introduction to Three-Dimensional Art is a course based on the Indiana Academic Standards for Visual Art. Students taking this course engage in sequential learning experiences that encompass art history, art criticism, aesthetics, production, and integrated studies and lead to the creation of portfolio-quality works. Students explore historical and cultural background and connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; create three-dimensional works of art, reflect upon the outcomes, and revise their work; relate art to 49 2025-2026 High School Course Titles and Descriptions other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. They identify ways to utilize and support art museums, galleries, studios, and community resources.

4040 Ceramics I

Available Grades 10 - 12
1 Credit, 1 Semester
Prerequisites: Passing grades in both Introduction to Two-Dimensional Art and Introduction to Three-Dimensional Art
This class is only available in the first semester

Ceramics is a course based on the Indiana Academic Standards for Visual Art. Students in ceramics engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio-quality works. Students create works of art in clay utilizing the processes of hand building, molds, wheel throwing, slip and glaze techniques, and the firing processes. Students will learn glazing, coiling, slab building, slumping, and wheel throwing techniques. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. This course is demanding, including high standards for workmanship and creativity.

4040 Ceramics II

Available Grades 11 - 12
1 Credit, 1 Semester
Prerequisites: Passing grades in Ceramics I
Teacher Recommendation is Required
This class is only available in the first semester

Ceramics II includes more advanced techniques than Ceramics I. The student will be expected to know the basics of wheel throwing before entering this class. Students in ceramics engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio-quality works. Students create works of art in clay utilizing the processes of hand building, molds, wheel throwing, slip and glaze techniques, and the firing processes. In addition, students will be performing more advanced wheel-throwing techniques along with combinations of hand-building, glazing, and sculptural techniques. This course is demanding, requiring high standards of workmanship and creativity. Students are required to exercise self-discipline, allowing each student to work independently.

4044 Sculpture

Available Grades 10 - 12
1 Credit, 1 Semester
Prerequisites: Passing grades in Introduction to Three-Dimensional Art

Sculpture is a course based on the Indiana Academic Standards for Visual Art. Students in sculpture engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production. Students create portfolio-quality works using materials such as paper, cardboard, wire, jewelry, and ceramics. Students at this level produce works for their portfolios that demonstrate a sincere desire to explore a variety of ideas and problems. Students will utilize subtractive and additive processes of carving, modeling, construction, and assembling. As an intermediate class, students will begin participating in more formal critique settings, giving feedback to their peers on their work. They will also begin documenting more of the process of making their art. Students will become more comfortable with presenting their artwork and talking about art using art vocabulary.

4006 Advanced Three-Dimensional Art

Available Grades 10 - 12
1 Credit, 1 Semester
Prerequisites: Passing grades in Sculpture
Teacher Recommendation is Required
This class is only available in the second semester

Advanced Three-Dimensional Art is a course based on the Indiana Academic Standards for Visual Art. Students in this course build on the sequential learning experiences of Introduction to Three-Dimensional Art that encompasses art history, art criticism, aesthetics, and production, and leads to the creation of portfolio-quality works. Students explore historical and cultural background and connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; create three-dimensional works of art, reflect upon the outcomes, and revise their work; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. During the course, an extensive range of art areas is offered. Each nine weeks, students will complete three projects, write critiques, and maintain a folder. Students are required to exercise quality work, self-discipline, and maintain a grade average of “C” or better.

4248 Theater Production

Available Grades 10 - 12
2 Credits, 2 Semesters Required
Prerequisites: Speech and Instructor Permission
Note: Applications and Auditions are required.

Theatre Production is based on the Indiana Academic Standards for Theatre. Students enrolled in Theatre Production take on responsibilities associated with rehearsing and presenting a fully-mounted theatre production. They read and analyze plays to prepare for production; conceive and realize a design for a production, including set, lighting, sound, and costumes; rehearse and perform roles in a production; and direct or serve as assistant director for a production. These activities should incorporate elements of theatre history, culture, analysis, response, creative process, and integrated studies. Additionally, students investigate a theatre arts career then develop a plan for potential employment or further education through audition, interview, or presentation of a portfolio. Students also attend and critique theatrical productions and volunteer to support theatre in their community.

4160 Beginning Concert Band

Available Grades 9 - 12
2 Credits, 2 Semesters Required
Prerequisites: None
Note: Several mandatory public preformances will be required.

Beginning Concert Band is based on the Indiana Academic Standards for High School Instrumental Music. Students taking this course are provided with a balanced comprehensive study of music through the concert band, which develops skills in the psychomotor, cognitive, and affective domains. Ensemble and solo activities are designed to develop elements of musicianship including tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of literature, and integration of other applicable disciplines. Experiences include improvising, conducting, playing by ear, and sight-reading. Students develop the ability to understand and convey the composer's intent in performance of music. Time outside of the school day may be scheduled for rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and musical goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom.

4168 Intermediate Concert Band

Available Grades 10 - 12
2 Credits, 2 Semesters Required
Prerequisites: Beginning Concert Band
Note: Several mandatory public preformances will be required.

Intermediate Concert Band is based on the Indiana Academic Standards for High School Instrumental Music. This course includes a balanced comprehensive study of music that develops skills in the psychomotor, cognitive, and affective domains. Ensemble and solo activities are designed to develop elements of musicianship including tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of literature, and integration of other applicable disciplines. Students study a varied repertoire of developmentally appropriate concert band literature and develop the ability to understand and convey the composer's intent in performance of music. Time outside of the school day may be scheduled for rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and musical goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom.

4170 Advanced Concert Band

Available Grades 11 - 12
2 Credits, 2 Semesters Required
Prerequisites: Beginning Concert Band
Note: Several mandatory public preformances will be required.

Advanced Concert Band is based on the Indiana Academic Standards for High School Instrumental Music. This course provides students with a balanced comprehensive study of music through the concert band, which develops skills in the psychomotor, cognitive, and affective domains. Ensemble and solo activities are designed to develop elements of musicianship including tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of literature, and integration of other applicable disciplines. Experiences include improvising, conducting, playing by ear, and sight-reading. Students develop the ability to understand and convey the composer's intent in performance of music. Time outside of the school day may be scheduled for rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and musical goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom.

4164 Jazz Ensemble

Available Grades 10 - 12
1 Credit per Semester
Prerequisites: Students must be enrolled in Beginning Concert Band, Intermediate Concert Band, or Advanced Concert Band to enroll in this course.
Note: Several mandatory public preformances will be required.
Jazz Ensemble is based on the Indiana Academic Standards for High School Instrumental Music. Students taking this course develop musicianship and specific performance skills through group and individual settings for the study and performance of varied styles of instrumental jazz. Instruction includes the study of the history, formative, and stylistic elements of jazz. Students develop their creative skills through improvisation, composition, arranging, performing, listening, and analyzing. A limited amount of time outside of the school day may be scheduled for rehearsals and performances. In addition, a limited number of public performances may serve as a culmination of daily rehearsal and musical goals. Students must participate in performance opportunities outside of the school day that support and extend the learning in the classroom. Student participants must also be receiving instruction in another band or orchestra class offering at the discretion of the director

4182 Beginning Chorus

Available Grades 9 - 12
1 Credit per Semester
Prerequisites: None
Note: Several mandatory public preformances will be required.
This course is separated into two different sections:
4182M (Men's Beginning Chorus) and 4182W (Women's Beginning Chorus)

Beginning Chorus is based on the Indiana Academic Standards for High School Choral Music. Students taking Beginning Chorus develop musicianship and specific performance skills through ensemble and solo singing. This class includes the study of quality repertoire in the diverse styles of choral literature appropriate in difficulty and range for the students. Chorus classes provide opportunities for performing, creating, and responding to music. Students develop the ability to understand and convey the composer's intent in performance of music. Time outside of the school day may be scheduled for rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and musical goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom.

4186 Intermediate Chorus

Available Grades 10 - 12
1 Credit per Semester
Prerequisites: None
Note: Several mandatory public preformances will be required.
This course is separated into two different sections:
4186M (Men's Intermediate Chorus) and 4186W (Women's Intermediate Chorus)

Intermediate Chorus is based on the Indiana Academic Standards for High School Choral Music. Students taking Intermediate Chorus develop musicianship and specific performance skills through ensemble and solo singing. This class includes the study of quality repertoire in the diverse styles of choral literature appropriate in difficulty and range for the students. Chorus classes provide opportunities for performing, creating, and responding to music. Students develop the ability to understand and convey the composer's intent in performance of music. Time outside of the school day may be scheduled for rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and musical goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the Classroom.

4188 Advanced Chorus (A Cappella Choir)

Available Grades 11 - 12
1 Credit per Semester
Prerequisites: At least one year of Chorus experience
Note: Admittance is at the discretion of the director
This course is separated into two different sections:
4188M (Men's Advanced Chorus) and 4188W (Women's Advanced Chorus)

Advanced Chorus is based on the Indiana Academic Standards for High School Choral Music. Students taking Advanced Chorus develop musicianship and specific performance skills through ensemble and solo singing. This class includes the study of quality repertoire in the diverse styles of choral literature appropriate in difficulty and range for the students. Chorus classes provide opportunities for performing, creating, and responding to music. Students develop the ability to understand and convey the composer's intent in performance of music. Time outside of the school day may be scheduled for rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and musical goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom.

Language Arts

1002 English 9

Available in Grade 9
2 Credits, 2 Semesters Required
Prerequisites: None

English 9, an integrated English course based on the Indiana Academic Standards for English/Language Arts in Grades 9-10, is a study of language, literature, composition, and oral communication, focusing on literature within an appropriate complexity for this grade level. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to representative works of historical or cultural significance in classic and contemporary literature balanced with nonfiction. Students write responses to literature, expository (informative), narrative, and argumentative compositions, and sustained research assignments. Students deliver grade-appropriate oral presentations with attention to audience and purpose and access, analyze, and evaluate online information.

1002H English 9 - Honors

Available in Grade 9
2 Credits, 2 Semesters Required
Prerequisites: None

In addition to the subject matters outlined in English 9, English 9 Honors includes composition, literature, vocabulary and grammar are presented at an advanced level. The curriculum includes classic world literature, short stories, nonfiction selections, novels and poetry. Although more content based, the skills indicated by Indiana Academic Standards and English/Language Arts Common Core are addressed in this class.

1004 English 10

Available in Grade 10
2 Credits, 2 Semesters Required
Prerequisites: English 9

English 10, an integrated English course based on the Indiana Academic Standards for English/Language Arts in Grades 9-10, is a study of language, literature, composition, and oral communication, focusing on literature with an appropriate complexity for this grade level. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to representative works of historical or cultural significance in classic and contemporary literature balanced with nonfiction. Students write responses to literature, expository (informative) and argumentative compositions, and sustained research assignments. Students deliver grade-appropriate oral presentations with attention to audience and purpose and access, analyze, and evaluate online information.

1004H English 10 - Honors

Available in Grade 10
2 Credits, 2 Semesters Required
Prerequisites: Honors Qualifications and Standard Course Prerequisites

In addition to the subject matters outlined in English 10, English 10 Honors includes Composition, literature, vocabulary, and grammar are presented at an advanced level. The curriculum includes classic world literature, short stories, nonfiction selections, novels and poetry. Students will be eligible to take the Language Arts ECA test to fulfill graduation requirements.

1006 English 11

Available in Grade 11
2 Credits, 2 Semesters Required
Prerequisites: English 10

English 11, an integrated English course based on the Indiana Academic Standards for English/Language Arts in Grades 11-12, is a study of language, literature, composition, and oral communication focusing on literature with an appropriate complexity for this grade level. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to representative works of historical or cultural significance appropriate in classic and contemporary literature balanced with nonfiction. Students write narratives, responses to literature, academic essays (e.g. analytical, argumentative, informative), and more sustained research assignments incorporating visual information in the form of pictures, graphs, charts and tables. Students write and deliver grade-appropriate multimedia presentations and access, analyze, and evaluate online information.

1006HDC English 11 - Honors - Dual Credit

Available in Grade 11
2 Credits, 2 Semesters Required
Prerequisites: Honors Qualifications and Standard Course Prerequisites

In addition to the subject matters outlined in English 11, English 11 Honors is designed to meet the needs of students wishing to continue their education after high school. The curriculum includes composition, literature, vocabulary, and grammar. Focus is on the study of classic American literature and eras of American literature through the reading of short stories, nonfiction selections, novels, and poetry. The skills indicated by Indiana American Standards and English/Language Arts Common Core are addressed in this class with emphasis on reading and writing skills used at the college level. A research paper or project is required for the second semester credit.

1008 English 12

Available in Grade 12
2 Credits, 2 Semesters Required
Prerequisites: English 11

English 12, an integrated English course based on the Indiana Academic Standards for English/Language Arts for Grades 11-12, is a study of language, literature, composition, and oral communication focusing on an exploration of perspective across a wide variety of genres. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to representative works of historical or cultural significance in classic and contemporary literature balanced with nonfiction. Students write narratives, responses to literature, academic essays (e.g. analytical, argumentative, informative), and more sustained research assignments incorporating visual information in the form of pictures, graphs, charts, and tables. Students write and deliver grade-appropriate multimedia presentations and access, analyze, and evaluate online Information.

1008HDC English 12 - Honors - Dual Credit

Available in Grade 12
2 Credits, 2 Semesters Required
Prerequisites: English 11

English 12, an integrated English course based on the Indiana Academic Standards for English/Language Arts for Grades 11-12, is a study of language, literature, composition, and oral communication focusing on an exploration of perspective across a wide variety of genres. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to representative works of historical or cultural significance in classic and contemporary literature balanced with nonfiction. Students write narratives, responses to literature, academic essays (e.g. analytical, argumentative, informative), and more sustained research assignments incorporating visual information in the form of pictures, graphs, charts, and tables. Students write and deliver grade-appropriate multimedia presentations and access, analyze, and evaluate online information.

1048 Themes in Literature

Available Grades 10 - 12
1 Credit, 1 Semester
Prerequisites: English 9
Only offered first semester

Themes in Literature, a course based on the Indiana Academic Standards for English/Language Arts, is a study of universal themes, such as the journey of the hero, the trials of youth, the search for identity, and other themes appropriate to the level and interests of students. The course may be limited to a few important related themes. Students examine representative works in various genres by authors of diverse eras and nationalities and the way themes may be treated differently in the works because of the cultural context. Students analyze how themes illuminate humanity's struggle to understand the human condition. The course can be offered in conjunction with a composition course, or schools should embed Indiana Academic Standards for English/Language Arts writing standards within the curriculum.

1060 Etymology

Available Grades 10 - 12
1 Credit, 1 Semester
Prerequisites: English 9

Etymology, a language studies course based on the Indiana Academic Standards for English/Language Arts, is the study and application of the derivation of English words and word families from their roots in ancient and modern languages (Latin, Greek, Germanic, and Romance Languages). Students analyze meanings of English words by examining roots, prefixes, and suffixes. Students analyze the connotative and denotative meaning of words in a variety of contexts and the reasons for language change. Students write about word history and semantics in texts that require etymological sensitivity, such as Renaissance poetry or works in translation.

Mathematics

7218 Technical Math

Available Grades 9 - 10
2 Credits, 2 Semesters
Prerequisites: None

Technical Math is designed to help students develop mathematical reasoning and real-world skills in analyzing verbal and written descriptions, translating them into algebraic, geometric, trigonometric, and statistical statements and applying them to solve problems in fabrication, manufacturing, and business. The course will include at least six lab activities or projects to allow faculty and students to apply mathematics principles to work-related situations.

2520 Algebra I

Available Grades 9 - 10
2 Credits, 2 Semesters Required
Prerequisites: None

Algebra I formalizes and extends the mathematics students learned in the middle grades. The Indiana Academic Standards for Algebra I consist of five domains: Number Systems, Expressions, and Functions; Linear Equations, Inequalities, and Functions; Systems of Linear Equations and Inequalities; Quadratic and Exponential Equations and Functions; and Data Analysis & Statistics. These critical areas deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend. Students will also engage in methods for analyzing, solving, and using quadratic functions. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

2520H Algebra I - Honors

Available Grades 9 - 10
2 Credits, 2 Semesters Required
Prerequisites: Honors Qualifications and Standard Course Prerequisites

Algebra I formalizes and extends the mathematics students learned in the middle grades. The Indiana Academic Standards for Algebra I consist of five domains: Number Systems, Expressions, and Functions; Linear Equations, Inequalities, and Functions; Systems of Linear Equations and Inequalities; Quadratic and Exponential Equations and Functions; and Data Analysis & Statistics. These critical areas deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend. Students will also engage in methods for

analyzing, solving, and using quadratic functions. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

2532 Geometry

Available Grades 10 - 12
2 Credits, 2 Semesters
Prerequisites: Algebra I

Geometry formalizes and extends students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. The Indiana Academic Standards for Geometry consist of five domains: Geometry Foundations, Triangles, Quadrilaterals and Other Polygons, Circles, and Transformations & Three-Dimensional Solids. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

2532H Geometry - Honors

Available Grades 10 - 12
2 Credits, 2 Semesters
Prerequisites: Honors Qualifications and Standard Course Prerequisites

Geometry formalizes and extends students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. The Indiana Academic Standards for Geometry consist of five domains: Geometry Foundations, Triangles, Quadrilaterals and Other Polygons, Circles, and Transformations & Three-Dimensional Solids. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

2522 Algebra II

Available Grades 10 - 12
2 Credits, 2 Semesters
Prerequisites: Algebra I

Algebra II builds on work with linear, quadratic, and exponential functions and allows for students to extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The Indiana Academic Standards for Algebra II consist of six domains: Arithmetic and Structure of Expressions, Equations, and Functions; Function Families; Modeling with Functions and Data; Modeling with Advanced Algebra; Modeling with Data and Statistics; and Modeling with Quantities. The eight Process Standards for Mathematics apply throughout the course.

2522H Algebra II - Honors

Available Grades 10 - 12
2 Credits, 2 Semesters
Prerequisites: Honors Qualifications and Standard Course Prerequisites

Algebra II builds on work with linear, quadratic, and exponential functions and allows for students to extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The Indiana Academic Standards for Algebra II consist of six domains: Arithmetic and Structure of Expressions, Equations, and Functions; Function Families; Modeling with Functions and Data; Modeling with Advanced Algebra; Modeling with Data and Statistics; and Modeling with Quantities. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

2564DC Pre-Calculus: Algebra - Dual Credit

Available Grades 11 - 12
1 Credit, 1 Semester
Prerequisites: Algebra I, Geometry, and Algebra II
Only Offered First Semester

Pre-Calculus: Algebra extends the foundations of algebra and functions developed in previous courses to new functions, including exponential and logarithmic functions, and to sequences and series. The course provides students with the skills and understandings that are necessary for advanced manipulation of angles and measurement. Pre-Calculus: Algebra is made up of five strands: Functions; Quadratic, Polynomial, and Rational Equations and Functions; Exponential and Logarithmic Functions; Sequences and Series; and Conics. The course is designed for students who expect math to be a major component of their future college and career experiences, and as such it is designed to provide students with strong foundations for calculus and other higher-level math courses. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

2566DC Pre-Calculus: Trigonometry - Dual Credit

Available Grades 11 - 12
1 Credit, 1 Semester
Prerequisites: Algebra I, Geometry, and Algebra II
Only Offered Second Semester

Pre-Calculus: Trigonometry provides students with the skills and understandings that are necessary for advanced manipulation of angles and measurement. Trigonometry provides the foundation for common periodic functions that are encountered in many disciplines, including music, engineering, medicine, finance, and nearly all other STEM disciplines. Trigonometry consists of six strands: Unit Circle; Triangles; Periodic Functions; Identities; Polar Coordinates and Complex Numbers; and Vectors. Students will advance their understanding of imaginary numbers through an investigation of complex numbers and polar coordinates. A strong understanding of complex and imaginary numbers is a necessity for fields such as engineering and computer programming. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

2527DC Calculus - Dual Credit

Available Grade 12
2 Credits, 2 Semesters
Prerequisites: Pre-Calculus

Calculus expands a student's knowledge of topics like functions, graphs, limits, derivatives, and integrals. Additionally, students will review algebra and functions, modeling, trigonometry, etc. Calculus is made up of five strands: Limits and Continuity; Differentiation; Applications of Derivatives; Integrals; and Applications of Integrals. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

2550DC Quantitative Reasoning - Dual Credit

Available Grades 11 - 12
2 Credits, 2 Semesters
Prerequisites: Algebra I, Geometry, and Algebra II

Quantitative Reasoning is a mathematics course focused on the study of numeracy, ratio and proportional reasoning, modeling, probabilistic reasoning to assess risk, and statistics. Students build knowledge of and confidence with basic mathematical/analytical concepts and operations required for problem solving, decision making, and economic productivity in real-world applications and prepare for an increasingly information-based society in which the ability to use and critically evaluate information, especially numerical information, is essential. Technology, such as computers and graphing calculators, should be used frequently. This higher-level mathematics course is designed to align with college-level quantitative reasoning courses for dual secondary/college credit. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Multidisciplinary

0522 Career Information and Exploration

Availible Grades 9 - 12
1 Credit, 1 Semester
Prerequisites: None
Note: This class may only be taken once.

Career Information and Exploration provides students with opportunities to learn about themselves and about various traditional and nontraditional occupations and careers. Students also gain an awareness of the type of occupational preparation or training needed for various occupations and careers. Students develop skills in: (1) employability, (2) understanding the economic process, and (3) career decision making and planning. Opportunities are provided for students to observe and participate in various job situations through opportunities such as field trips, internships, mock interviews, and guest speakers. Resume development experience and career- related testing are also provided to students.

3524 Introduction to Public Service

Availible Grades 10 - 12
1 Credit, 1 Semester
Prerequisites: None
Note: This class may only be taken once.

Introduction to Public Service offers a comprehensive overview of public service, focusing on both military and non-military avenues. Students will explore the multifaceted benefits of military service, including personal and professional development, leadership skills, and community impact. A historical overview of U.S. military history and the history of non-military public service will provide context for the evolution of public service and its significance in shaping national identity. Key components of this course include an introduction to military customs and courtesies, instruction on ethical behavior and decision-making, development of leadership and analytical reasoning skills, an introduction to career paths (and their entrance requirements) available within public service, incentives for public service, and the significance of public service.

0530 Career Exploration Internship

Only Availible in Grade 12
1 Credit, 1 Semester
Prerequisites: None
Note: This class may only be taken once.

The Career Exploration Internship course is a paid or unpaid work experience in the public or private sector that provides for workplace learning in an area of student career interests. Unlike the work-based Learning capstone course in which students gain expertise in a specific occupation, the career exploration internship is intended to expose students to broad aspects of a particular industry or career cluster area by rotating through a variety of work sites or departments. In addition to their workplace learning activities, students participate in 1) regularly scheduled meetings with their classroom teacher, or 2) a regularly scheduled seminar with the teacher for the purpose of helping students make the connection between academic learning and their work-related experiences. Specific instructional standards tied to the career cluster or pathway and learning objectives for the internship must be written to clarify the expectations of all parties – the student, parent, employer, and instructor

0524 Community Service

Only Availible in Grade 12
1 Credit, 1 Semester
Prerequisites: None
Note: This class may only be taken once.

Community Service is a course created by public law IC 20-30-14. Community service allows students in grades nine through twelve (HEA 1629) the opportunity to earn up to two high school credits for completion of approved community service projects or volunteer service that "relates to a course in which the student is enrolled or intends to enroll." For each student who wishes to earn credit for community service or volunteer service under this law, the student, a teacher of the student, or a community or volunteer service organization must submit an application to the high school principal including: 1) name of the community service organization or volunteer service organization the student intends to assist; 2) name, address, and telephone number of the director or supervisor of the community service organization or volunteer service organization and, if different from the director or supervisor, the name, address, and telephone number of the individual assigned by the community or volunteer service organization to supervise the student at the activity site; 3) nature of the community service or volunteer service performed by the student with a certification that the service performed by the student is voluntary; 4) total number of hours the student intends to serve the community service organization or volunteer service organization during the school year; 5) written statement by the director or the supervisor of the community service organization or volunteer service organization certifying that the information included in the application is an accurate reflection of: (a) the student's expectations with regard to the number of hours of service contemplated to be performed; and (b) the community service organization's or the volunteer service organization's need to acquire the student's service; 6) description of: (a) the educational or career

exploration benefits the student and the school should expect to gain, including the student learning standards to be achieved, from the student's community or volunteer service participation; and (b) the service and benefit the community service organization or volunteer service organization expects to gain from the student's participation; 7) the description of how the community or volunteer service activity relates to a course in which the student is enrolled or intends to enroll; 8) manner and frequency in which the student and the community or volunteer service activity will be evaluated; 9) the name of the certificated school employee who will be responsible for monitoring and evaluating the student's activity and performance and assigning the student a grade for participation under this section; and 10) any other information required by the principal.

6162 Cooperative Education

Only Availible in Grade 12
Up to 6 Credits, 2 Semesters
Prerequisites: None

Cooperative Education is an approach to employment training that spans all career and technical education program areas through school-based instruction and on the job training. The course combines time spent on workplace activities and time spent doing school-based instruction, focused on employability skills development. Additionally, all state and federal laws and regulations related to student employment and cooperative education must be followed.

Physical Education and Health Education

3542 Physical Education I

Available Grade 9
1 Credit, 1 Semester
Prerequisites: None
(Only offered first semester)

Physical Education I focuses on instructional strategies through a planned, sequential, and comprehensive physical education curriculum which provides students with opportunities to actively participate in at least four of the following: team sports; dual sport activities; individual physical activities; outdoor pursuits; self-defense and martial arts; aquatics; gymnastics; and dance, all of which are within the framework of the skills, knowledge, and confidence needed by the student for a lifetime of healthful physical activity and fitness. Ongoing assessment includes both written and performance-based skill evaluation. Individual assessments may be modified for individuals with disabilities, in addition to those with IEPs and 504 plans (e.g., chronic illnesses, temporary injuries, obesity). See 511 IAC 7-27-9, 7-27-11.

3544 Physical Education II

Available Grade 9
1 Credit, 1 Semester
Prerequisites: None
(Only offered second semester)

Physical Education II focuses on instructional strategies through a planned, sequential, and comprehensive physical education curriculum which provides students with opportunities to actively participate in four of the following areas that were not included in Physical Education I: team sports; dual sport activities; individual physical activities; outdoor pursuits; self-defense and martial arts; aquatics; gymnastics; and dance, all of which are within the framework of the skills, knowledge and confidence needed by the student for a lifetime of healthful physical activity and fitness. Ongoing assessment includes both written and performance-based skill evaluation. Individual assessments may be modified for individuals with disabilities, in addition to those with IEPs and 504 plans (e.g., chronic illnesses, temporary injuries, obesity). See 511 IAC 7-27-9, 7-27-11.

3560I Intro to Advanced Physical Conditioning

Available Grades 9 - 12
1 Credit per Semester
Prerequisites: Physical Education I and Physical Education II

Elective Physical Education, a course based on selected standards from Indiana's Academic Standards for Physical Education, identifies what a student should know and be able to do as a result of a quality physical education program. The goal of a physically educated student is to maintain appropriate levels of cardio-respiratory endurance, muscular strength and endurance, flexibility, and body composition necessary for a healthy and productive life. Elective Physical Education promotes lifetime sport and recreational activities and provides an opportunity for an in-depth study in one or more specific areas. A minimum of two of the following activities should be included: team sports; dual sports activities; individual physical activities; outdoor pursuits; self-defense and martial arts; aquatics; gymnastics; and dance. This course includes the study of physical development concepts and principles of sport and exercise as well as opportunities to develop or refine skills and attitudes that promote lifelong fitness. Students have the opportunity to design and develop an appropriate personal fitness program that enables them to achieve a desired level of fitness.

3560 Advanced Physical Conditioning

Available Grades 9 - 12
1 Credit per Semester
Prerequisites: Physical Education I and Physical Education II

Elective Physical Education, a course based on selected standards from Indiana's Academic Standards for Physical Education, identifies what a student should know and be able to do as a result of a quality physical education program. The goal of a physically educated student is to maintain appropriate levels of cardio-respiratory endurance, muscular strength and endurance, flexibility, and body composition necessary for a healthy and productive life. Elective Physical Education promotes lifetime sport and recreational activities and provides an opportunity for an in-depth study in one or more specific areas. A minimum of two of the following activities should be included: team sports; dual sports activities; individual physical activities; outdoor pursuits; self-defense and martial arts; aquatics; gymnastics; and dance. This course includes the study of physical development concepts and principles of sport and exercise as well as opportunities to develop or refine skills and attitudes that promote lifelong fitness. Students have the opportunity to design and develop an appropriate personal fitness program that enables them to achieve a desired level of fitness.

3560 Team Sports

Available Grades 10 - 12
1 Credit per Semester
Prerequisites: Physical Education I and Physical Education II

Elective Physical Education, a course based on selected standards from Indiana's Academic Standards for Physical Education, identifies what a student should know and be able to do as a result of a quality physical education program. The goal of a physically educated student is to maintain appropriate levels of cardio-respiratory endurance, muscular strength and endurance, flexibility, and body composition necessary for a healthy and productive life. Elective Physical Education promotes lifetime sport and recreational activities and provides an opportunity for an in-depth study in one or more specific areas. A minimum of two of the following activities should be included: team sports; dual sports activities; individual physical activities; outdoor pursuits; self-defense and martial arts; aquatics; gymnastics; and dance. This course includes the study of physical development concepts and principles of sport and exercise as well as opportunities to develop or refine skills and attitudes that promote lifelong fitness. Students have the opportunity to design and develop an appropriate personal fitness program that enables them to achieve a desired level of fitness.

3506 Health and Wellness Education

Available Grades 10 - 12
1 Credit, 1 Semester
Prerequisites: None

Health and Wellness, a course based on Indiana's Academic Standards for Health and Wellness and provides the basis to help students adopt and maintain healthy behaviors. Health education should contribute directly to a student's ability to successfully practice behaviors that protect and promote health and avoid or reduce health risks. Through a variety of instructional strategies, students practice the development of functional health information (essential concepts); determine personal values that support healthy behaviors; develop group norms that value a healthy lifestyle; develop the essential skills necessary to adopt, practice, and maintain health-enhancing behaviors. This course includes the application of priority areas in a planned, sequential, comprehensive health education curriculum. Priority areas include: promoting personal health and wellness, physical activity, and healthy eating; promoting safety and preventing unintentional injury and violence; promoting mental and emotional health, a tobacco- free lifestyle and an alcohol- and other drug-free lifestyle; and promoting human development and family health. This course provides students with the knowledge and skills of health and wellness core concepts, analyzing influences, accessing information, interpersonal communication, decision-making and goal-setting skills, health-enhancing behaviors, and health and wellness advocacy skills.

3500 Advanced Health Education

Available Grades 10 - 12
1 Credit, 1 Semester
Prerequisites: Health and Wellness Education
(Offered Second Semester Only)

Advanced Health and Wellness, an elective course that is aligned to Indiana's Academic Standards for Health and Wellness, provides advanced knowledge and skills to help students adopt and maintain healthy behaviors. Through a variety of instructional strategies, students practice the development of functional advanced health information (essential concepts); and determine personal values that support healthy behaviors; develop group norms that value a healthy lifestyle; develop the essential skills necessary to adopt, practice, and maintain health-enhancing behaviors. Advanced Health and Wellness provides students with an in-depth study of promoting personal health and wellness, physical activity, healthy eating; promoting safety and prevention of unintentional injury and violence; promoting mental and emotional health, a tobacco, alcohol, and other drug-free lifestyle; and promoting human development and family health. The scientific components of health and wellness, health issues and concerns, health risk appraisals, individual wellness plans, health promotion, and health careers are expanded and explored within the context of the course. This course provides students with the advanced knowledge and skills of health and wellness core concepts, analyzing influences, accessing information, interpersonal communication, decision-making and goal-setting skills, health-enhancing behaviors, and health and wellness advocacy skills.

3508 Current Health Issues

Available Grades 10 - 12
1 Credit, 1 Semester
Prerequisites: Health and Wellness Education
(Offered First Semester Only)

Current Health Issues, an elective course that can be aligned to Indiana's Academic Standards for Health and Wellness, focuses on specific health issues and/or emerging trends in health and wellness, but not limited to: personal health and wellness; non-communicable and communicable diseases; nutrition; mental and emotional health; tobacco prevention; alcohol and other drug prevention; human development and family health; health care and/or medical treatments; and national and/or international health issues. This course provides students with the knowledge and skills of health and wellness core concepts, analysis of influences, access to information, interpersonal communication, decision-making and goal-setting skills, health-enhancing behaviors, and health and wellness advocacy skills.

Science

3024 Biology I

Available Grade 9
2 Credit, 2 Semesters Required
Prerequisites: None

Biology I incorporates high school Disciplinary Core Ideas, Science and Engineering Practices, and Crosscutting Concepts to help students gain a three-dimensional understanding of Biology topics. Disciplinary Core Ideas for this course include From Molecules to Organisms, Ecosystems, Heredity and Biological Evolution. Instruction focuses on the observation of phenomena to develop an understanding of how scientific knowledge is acquired.

3024H Biology I - Honors

Available Grade 9
2 Credit, 2 Semesters Required
Prerequisites: Honors Qualifications and Standard Course Prerequisites

Biology I incorporates high school Disciplinary Core Ideas, Science and Engineering Practices, and Crosscutting Concepts to help students gain a three-dimensional understanding of Biology topics. Disciplinary Core Ideas for this course include From Molecules to Organisms, Ecosystems, Heredity and Biological Evolution. Instruction focuses on the observation of phenomena to develop an understanding of how scientific knowledge is acquired.

3044 Earth and Space Science I

Available Grades 10 - 12
2 Credit, 2 Semesters
Prerequisites: Biology I

Earth and Space Science incorporates high school Disciplinary Core Ideas, Science and Engineering Practices, and Crosscutting Concepts to help students gain a three-dimensional understanding of Earth and Space Science topics. Disciplinary Core Ideas for this course include Earth's Place in the Universe, Earth's Systems, and Human Interaction with Earth's Systems. Instruction focuses on the observation of phenomena to develop an understanding of how scientific knowledge is acquired.

3108 Integrated Chemistry-Physics

Available Grades 10 - 12
2 Credit, 2 Semesters Required
Prerequisites: Biology I

Integrated Chemistry and Physics incorporates high school Disciplinary Core Ideas, Science and Engineering Practices, and Crosscutting Concepts to help students gain a three-dimensional understanding of Chemistry and Physics topics. Disciplinary Core Ideas for this course include Matter and its Interactions, Forces, Energy, and Waves and their Applications in Technologies for Information Transfer. Instruction focuses on the observation of phenomena to develop an understanding of how scientific knowledge is acquired.

3064 Chemistry I

Available Grades 10 - 12
2 Credit, 2 Semesters Required
Prerequisites: None

Chemistry II is an extended laboratory, field, and literature investigations-based course. Students enrolled in Chemistry II examine the chemical reactions of matter in living and nonliving materials. Based on the unifying themes of chemistry and the application of physical and mathematical models of the interactions of matter, students use the methods of scientific inquiry to answer chemical questions and solve problems concerning personal needs and community issues related to chemistry.

3064HDC Chemistry I - Honors - Dual Credit

Available Grades 10 - 12
2 Credit, 2 Semesters Required
Prerequisites: Honors Qualifications and Standard Course Prerequisites

Chemistry II is an extended laboratory, field, and literature investigations-based course. Students enrolled in Chemistry II examine the chemical reactions of matter in living and nonliving materials. Based on the unifying themes of chemistry and the application of physical and mathematical models of the interactions of matter, students use the methods of scientific inquiry to answer chemical questions and solve problems concerning personal needs and community issues related to chemistry.

3084H Physics I - Honors

Available Grades 11 - 12
2 Credit, 2 Semesters Required
Prerequisites: Honors Qualifications and Standard Course Prerequisites

Physics I incorporates high school Disciplinary Core Ideas, Science and Engineering Practices, and Crosscutting Concepts to help students gain a three-dimensional understanding of Physics topics. Disciplinary Core Ideas for this course include Forces and Interactions, Energy, Wave Properties, and Electromagnetic Radiation. Instruction focuses on the observation of phenomena to develop an understanding of how scientific knowledge is acquired.

3026DC Biology II - Dual Credit

Available Grades 11 - 12
2 Credit, 2 Semesters Required
Prerequisites: Biology, Chemistry, Physics and/or Integrated Physics/Chemistry

Biology II is an advanced laboratory, field, and literature investigations-based course. Students enrolled in Biology II examine in greater depth the structures, functions, and processes of living organisms. Students also analyze and describe the relationship of Earth's living organisms to each other and to the environment in which they live. In this course, students refine their scientific inquiry skills as they collaboratively and independently apply their knowledge of the unifying themes of biology to biological questions and problems related to personal and community issues in the life sciences.

5218 Principles of Biomedical Sciences

Available Grades 9 - 12
2 Credit, 2 Semesters Required
Prerequisites: None

Principles of Biomedical Sciences provides an introduction to this field through "hands-on" projects and problems. Student work involves the study of human medicine, research processes, and an introduction to bioinformatics. Students investigate the human body systems and various health conditions including heart disease, diabetes, hypercholesterolemia, and infectious diseases. A theme through the course is determining factors that led to the death of a fictional person. After determining the factors responsible for the death, the students investigate lifestyle choices and medical treatments that might have prolonged the person's life. Key biological concepts included in the curriculum are: homeostasis, metabolism, inheritance of traits, feedback systems, and defense against disease. Engineering principles such as the design process, feedback loops, fluid dynamics, and the relationship of structure to function will be included where appropriate. The course is designed to provide an overview of all courses in the Biomedical Sciences program and to lay the scientific foundation necessary for student success in the subsequent courses.

5216 Human Body Systems

Available Grades 10 - 12
2 Credit, 2 Semesters Required
Prerequisites: Principles of Biomedical Sciences
Only Offered in Even Years

Human Body Systems is a course designed to engage students in the study of basic human physiology and the care and maintenance required to support the complex systems. Using a focus on human health, students will employ a variety of monitors to examine body systems (respiratory, circulatory, and nervous) at rest and under stress, and observe the interactions between the various body systems. Students will use appropriate software to design and build systems to monitor body functions.

5217 Medical Interventions

Available Grades 10 - 12
2 Credit, 2 Semesters Required
Prerequisites: Principles of Biomedical Sciences
Only Offered in Odd Years

Medical Interventions is a course that studies medical practices, including interventions, to support humans in treating disease and maintaining health. Using a project-based learning approach, students will investigate various medical interventions that extend and improve quality of life, including gene therapy, pharmacology, surgery, prosthetics, rehabilitation, and supportive care. Students will also study the design and development of various interventions. Lessons will cover the history of organ transplants and gene therapy with additional readings from current scientific literature addressing cutting edge developments.
Social Studies

Social Studies

1570 Geography and History of the World

Available Grades 9 - 12
2 Credit, 2 Semesters Required
Prerequisites: None

Geography and History of the World is designed to enable students to use geographical tools, skills and historical concepts to deepen their understanding of major global themes including the origin and spread of world religions; exploration; conquest, and imperialism; urbanization; and innovations and revolutions. Geographical and historical skills include forming research questions, acquiring information by investigating a variety of primary and secondary sources, organizing information by creating graphic representations, analyzing information to determine and explain patterns and trends, planning for the future, and documenting and presenting findings orally or in writing. The historical geography concepts used to explore global themes include change over time, origin, diffusion, physical systems, cultural landscapes, and spatial distribution/patterns and interaction/relationships. Students use the knowledge, tools, and skills obtained from this course in order to analyze, evaluate, and make predictions about major global developments. This course is designed to nurture perceptive and responsible citizenship, to encourage and support the development of critical thinking skills and lifelong learning, and to help prepare Indiana students for the 21st Century.

1548H World History and Civilization - Honors

Available Grades 9 - 12
2 Credit, 2 Semesters Required
Prerequisites: Honors Qualifications and Standard Course Prerequisites

World History and Civilization emphasizes events and developments in the past that greatly affected large numbers of people across broad areas and that significantly influenced peoples and places in subsequent eras. Key events related to people and places as well as transcultural interaction and exchanges are examined in this course. Students are expected to compare and contrast events and developments involving diverse peoples and civilizations in different regions of the world. They will examine examples of continuity and change, universality and particularity, and unity and diversity among various peoples and cultures from the past to the present. Students are also expected to practice and process skills of historical thinking and research and apply content knowledge to the practice of thinking and inquiry skills and processes. There will be continuous and pervasive interactions of processes and content, skills and substance, in the teaching and learning of history.

1542 United States History

Available Grade 11
2 Credit, 2 Semesters Required
Prerequisites: None

United States History is a two-semester course that builds upon concepts developed in previous studies of U.S. History and emphasizes national development from the late nineteenth century into the twenty-first century. After reviewing fundamental themes in the early development of the nation, students are expected to identify and review significant events, persons, and movements in the early development of the nation. The course then gives major emphasis to the interaction of key events, people, and political, economic, social, and cultural influences in national developments from the late nineteenth century through the present as they relate to life in Indiana and the United States. Students are expected to trace and analyze chronological periods and examine the significant themes and concepts in U.S. History. Students develop historical thinking and research skills and use primary and secondary sources to explore topical issues and to understand the cause for changes in the nation over time.

1542HDC United States History - Honors - Dual Credit

Available Grade 11
2 Credit, 2 Semesters Required
Prerequisites: Honors Qualifications and Standard Course Prerequisites

United States History is a two-semester course that builds upon concepts developed in previous studies of U.S. History and emphasizes national development from the late nineteenth century into the twenty-first century. After reviewing fundamental themes in the early development of the nation, students are expected to identify and review significant events, persons, and movements in the early development of the nation. The course then gives major emphasis to the interaction of key events, people, and political, economic, social, and cultural influences in national developments from the late nineteenth century through the present as they relate to life in Indiana and the United States. Students are expected to trace and analyze chronological periods and examine the significant themes and concepts in U.S. History. Students develop historical thinking and research skills and use primary and secondary sources to explore topical issues and to understand the cause for changes in the nation over time.

1514 Economics

Available Grade 12
1 Credit, 1 Semester Required
Prerequisites: None

Economics examines the allocation of resources and their uses for satisfying human needs and wants. The course analyzes economic reasoning and behaviors of consumers, producers, savers, investors, workers, voters, institutions, governments, and societies in making decisions. Students explain that because resources are limited, people must make choices and understand the role that supply, demand, prices, and profits play in a market economy. Key elements of the course include the study of scarcity and economic reasoning; supply and demand; market structures; the role of government; national economic performance; the role of financial institutions; economic stabilization; and trade.

1514H Economics - Honors

Available Grade 12
1 Credit, 1 Semester Required
Prerequisites: Honors Qualifications and Standard Course Prerequisites

Economics examines the allocation of resources and their uses for satisfying human needs and wants. The course analyzes economic reasoning and behaviors of consumers, producers, savers, investors, workers, voters, institutions, governments, and societies in making decisions. Students explain that because resources are limited, people must make choices and understand the role that supply, demand, prices, and profits play in a market economy. Key elements of the course include the study of scarcity and economic reasoning; supply and demand; market structures; the role of government; national economic performance; the role of financial institutions; economic stabilization; and trade.

1540 United States Government

Available Grade 12
1 Credit, 1 Semester Required
Prerequisites: United States History and Geography and History of the World or World History and Civilization

United States Government provides a framework for understanding the purposes, principles, and practices of constitutional representative democracy in the United States. Responsible and effective participation of citizens is stressed. Students understand the nature of citizenship, politics, and governments and understand the rights and responsibilities of citizens and how these are part of local, state, and national government. Students examine how the United States Constitution protects rights and provides the structure and functions of various levels of government. Analysis of how the United States interacts with other nations and the government's role in world affairs is included in this course. Using primary and secondary resources, students will articulate, evaluate, and defend

positions on political issues. As a result, they will be able to explain the role of individuals and groups in government, politics, and civic activities and the need for civic and political engagement of citizens in the United States.

1540H United States Government - Honors

Available Grade 12
1 Credit, 1 Semester Required
Prerequisites: Honors Qualifications and Standard Course Prerequisites

United States Government provides a framework for understanding the purposes, principles, and practices of constitutional representative democracy in the United States. Responsible and effective participation of citizens is stressed. Students understand the nature of citizenship, politics, and governments and understand the rights and responsibilities of citizens and how these are part of local, state, and national government. Students examine how the United States Constitution protects rights and provides the structure and functions of various levels of government. Analysis of how the United States interacts with other nations and the government's role in world affairs is included in this course. Using primary and secondary resources, students will articulate, evaluate, and defend positions on political issues. As a result, they will be able to explain the role of individuals and groups in government, politics, and civic activities and the need for civic and political engagement of citizens in the United States.

1516 Ethnic Studies

Available Grades 9 - 12
1 Credit, 1 Semester
Prerequisites: None

Ethnic Studies provides opportunities to broaden students' perspectives concerning lifestyles and cultural patterns of ethnic groups in the United States. This course will either focus on a particular ethnic group or groups or use a comparative approach to the study of patterns of cultural development, immigration, and assimilation, as well as the contributions of specific ethnic or cultural groups. The course may also include analysis of the political impact of ethnic diversity in the United States.

World Languages

2120 Spanish I

Available Grades 9 - 12
2 Credits, 2 Semesters
Prerequisites: None

Spanish I, a course based on Indiana's Academic Standards for World Languages, introduces students to effective strategies for beginning Spanish language learning, and to various aspects of Spanish-speaking culture. This course encourages interpersonal communication through speaking and writing, providing opportunities to make and respond to basic requests and questions, understand and use appropriate greetings and forms of address, participate in brief guided conversations on familiar topics, and write short passages with guidance. This course also emphasizes the development of reading and listening comprehension skills, such as reading isolated words and phrases in a situational context and comprehending brief written or oral directions. Additionally, students will examine the practices, products and perspectives of Spanish-speaking culture; recognize basic routine practices of the target culture; and recognize and use situation-appropriate non-verbal communication. This course further emphasizes making connections across content areas and the application of understanding Spanish language and culture outside of the classroom.

2122 Spanish II

Available Grades 10 - 12
2 Credits, 2 Semesters
Prerequisites: Spanish I

Spanish II, a course based on Indiana's Academic Standards for World Languages, builds upon effective strategies for Spanish language learning by encouraging the use of the language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to make and respond to requests and questions in expanded contexts, participate independently in brief conversations on familiar topics, and write cohesive passages with greater independence and using appropriate formats. This course also emphasizes the development of reading and listening comprehension skills, such as using contextual clues to guess meaning and comprehending longer written or oral directions. Students will address the presentational mode by presenting prepared material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. Additionally, students will describe the practices, products and perspectives of Spanish-speaking culture; report on basic family and social practices of the target culture; and describe contributions from the target culture. This course further emphasizes making connections across content areas and the application of understanding Spanish language and culture outside of the classroom.

2124 Spanish III

Available Grades 11 - 12
2 Credits, 2 Semesters
Prerequisites: Spanish II

Spanish III, a course based on Indiana's Academic Standards for World Languages, builds upon effective strategies for Spanish language learning by facilitating the use of the language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to initiate, sustain and close conversations; exchange detailed information in oral and written form; and write cohesive information with greater detail. This course also emphasizes the continued development of reading and listening comprehension skills, such as using cognates, synonyms and antonyms to derive meaning from written and oral information, as well as comprehending detailed written or oral directions. Students will address the presentational mode by presenting student-created material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. Additionally, students will continue to develop understanding of Spanish- speaking culture through recognition of the interrelations among the practices, products and perspectives of the target culture; discussion of significant events in the target culture; and investigation of elements that shape cultural identity in the target culture. This course further emphasizes making connections across content areas as well the application of understanding Spanish language and culture outside of the classroom.

2124DC Spanish III - Dual Credit

Available Grades 11 - 12
2 Credits, 2 Semesters
Prerequisites: 2.0 or Higher Grade in Spanish II

Spanish III, a course based on Indiana's Academic Standards for World Languages, builds upon effective strategies for Spanish language learning by facilitating the use of the language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to initiate, sustain and close conversations; exchange detailed information in oral and written form; and write cohesive information with greater detail. This course also emphasizes the continued development of reading and listening comprehension skills, such as using cognates, synonyms and antonyms to derive meaning from written and oral information, as well as comprehending detailed written or oral directions. Students will address the presentational mode by presenting student-created material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. Additionally, students will continue to develop understanding of Spanish- speaking culture through recognition of the interrelations among the practices, products and perspectives of the target culture; discussion of significant events in the target culture; and investigation of elements that shape cultural identity in the target culture.

2126 Spanish IV

Available Grades 11 - 12
2 Credits, 2 Semesters
Prerequisites: Spanish III

Spanish IV, a course based on Indiana's Academic Standards for World Languages, provides a context for integration of the continued development of language skills and cultural understanding with other content areas and the community beyond the classroom. The skill sets that apply to the exchange of written and oral information are expanded through emphasis on practicing speaking and listening strategies that facilitate communication, such as the use of circumlocution, guessing meaning in familiar and unfamiliar contexts, and using elements of word formation to expand vocabulary and derive meaning. Additionally, students will continue to develop understanding of Spanish-speaking culture through explaining factors that influence the practices, products, and perspectives of the target culture; reflecting on cultural practices of the target culture; and comparing systems of the target culture and the student's own culture. This course further emphasizes making connections across content areas through the design of activities and materials that integrate the target language and culture with concepts and skills from other content areas. The use and influence of the Spanish language and culture in the community beyond the classroom is explored through the identification and evaluation of resources intended for native Spanish speakers.

2126DC Spanish IV - Dual Credit

Available Grades 11 - 12
2 Credits, 2 Semesters
Prerequisites: 2.0 or Higher Grade in Spanish III

Spanish IV, a course based on Indiana's Academic Standards for World Languages, provides a context for integration of the continued development of language skills and cultural understanding with other content areas and the community beyond the classroom. The skill sets that apply to the exchange of written and oral information are expanded through emphasis on practicing speaking and listening strategies that facilitate communication, such as the use of circumlocution, guessing meaning in familiar and unfamiliar contexts, and using elements of word formation to expand vocabulary and derive meaning. Additionally, students will continue to develop understanding of Spanish-speaking culture through explaining factors that influence the practices, products, and perspectives of the target culture; reflecting on cultural practices of the target culture; and comparing systems of the target culture and the student's own culture. This course further emphasizes making connections across content areas through the design of activities and materials that integrate the target language and culture with concepts and skills from other content areas. The use and influence of the Spanish language and culture in the community beyond the classroom is explored through the identification and evaluation of resources intended for native Spanish speakers.

2136 Workplace Spanish

Available Grades 10 - 12
2 Credits, 2 Semesters
Prerequisites: Spanish I

Workplace Spanish is a course designed to fuse students' desired future career path with the use of the Spanish language in a variety of scenarios. This course will incorporate and emphasize the three principal modes of communication, as defined by the American Council on the Teaching of Foreign Language, which include the interpretive, the interpersonal, and the presentational, so that students can acquire relevant and practical skills in Spanish for future work-based environments in order to prepare them for interactions with fluent speakers of Spanish outside the classroom. Students will focus on culturally-appropriate interactions, both verbal and non-verbal, along with specific vocabulary that relates directly to students' chosen career path, ultimately connecting this course to a variety of content areas. A major focus of this course is on students' proficiency (both oral and written) and will use a high percentage of only Spanish in instruction and students' work production.