NORTH NEWTON SPARTANS

ENGAGE. EDUCATE. EMPOWER.

2023-2024

COURSE DESCRIPTION HANDBOOK

TABLE OF CONTENTS

GENERAL INTRODUCTION AND RESOURCES

This Curriculum Guide has been developed to assist students and parents to plan the best possible program of studies for each student. The selection of an individual program is a serious responsibility and should be treated as such. Your choices will greatly influence your success while you are a student and the opportunities available to you in the future.

EXPLANATION OF CREDITS

A student may earn one (1.0) High School credit in each class that is scheduled for one period and one semester of time, unless otherwise designated by the Indiana Department of Education.

SCHEDULING

In the selection of individual classes and courses of study, careful thought should be given to individual interests and abilities, past academic achievement, and future career and educational goals. You are encouraged to consult with teachers and counselors about educational and career planning.

Selection of alternate courses is very important. When one of your primary course selections is closed or canceled or a conflict cannot be resolved, an alternate substitution will be made.

The computer will process and arrange your course requests. Schedules will not be changed to accommodate requests for teachers, lunch hours, time of day, friends, enemies, etc.

All students enrolled in North Newton Jr./Sr. High School are required to be enrolled as full time students. Full time students are expected to carry a minimum of seven classes per semester. Exceptions to this requirement will be with the consent of the Principal.

ATHLETIC PARTICIPATION

Athletic Eligibility Status (Per IHSAA C-18-1 Rule): Student athletes have to be enrolled in at least five classes/credits each semester. Student athletes have to pass five subjects to be eligible to play.

NCAA DIVISION I & DIVISION II ELIGIBILITY GUIDELINES

If you are planning to enroll in college as a freshman and you wish to participate in Division I or Division II athletics, you must be certified by the NCAA Initial-Eligibility Clearinghouse. The Clearinghouse was established by the NCAA member institutions in January 1993. The Clearinghouse ensures consistent application of NCAA initial-eligibility requirements for all prospective student athletes at all member institutions. It is your responsibility to make sure the Clearinghouse has the documents it needs to certify you. The application costs $90, you

may qualify to have the application fee waived if you qualify for the fee waiver for the SAT/ACT tests. The steps to apply online are as follows:

1). Go to www.ncaa.org
2). Click on **STUDENT-ATHLETES**
3). Click on **FUTURE STUDENT-ATHLETES**
4). Click on **STUDENT-ATHLETE REGISTRATION**
5). Click on the blue arrow pointing to **REGISTER**
6). Click on **CREATE AN ACCOUNT** (Division I or II) / or **CREATE A PROFILE PAGE** (Division III or Undecided)

NAIA ELIGIBILITY

Students who are interested in playing college sports can also expand their options to smaller schools by completing the application on NAIA. The application costs $80, you may qualify to have the application fee waived if you qualify for the fee waiver for the SAT/ACT tests. The steps to apply online are as follows:

1). Go to https://www.playnaia.org/
2). Click on **REGISTER** under Eligibility Center

HOME SCHOOL POLICY

Students transferring to North Newton Jr./Sr. High School from homeschool or private school are subject to the same procedures required of students transferring to North Newton Jr./Sr. High School from other public schools.

Students who wish to enroll in home study courses for remedial work, enrichment or introductory courses from institutions of higher learning, or courses offered over the Internet, must have prior approval from North Newton Jr./Sr. High school if students are expecting course work to be counted toward graduation. Students must also provide information verifying accreditation, such as North Central or State Agency.

POST SECONDARY/NORTH NEWTON CREDIT ENROLLMENT RULE (ARTICLE 10)

Credit may be earned at any accredited public or private college or university located in Indiana that grants a baccalaureate or an associates degree. Any student in grades 11 or 12 may enroll in a college or university program either full-time or part-time to earn credits-toward graduation from high school as well as credits in the college program if:

- Progress toward graduation is not delayed
- North Newton could not offer the course
- The course is a course for which credit can be given

- The student is in good-standing at North Newton

NORTH NEWTON GRADUATION REQUIREMENTS

The Indiana State Board of Education adopts course and credit requirements for earning a high school diploma. Current course and credit requirements went into effect for students who entered high school in the fall of 2012 (Class of 2016). Students have the option of earning an Indiana Diploma with the following designation(s):

- General;
- Core 40;
- Core 40 with Academic Honors (AHD); or
- Core 40 with Technical Honors (THD).
- Core 40 with Academic Honors (AHD) and Technical Honors (THD).

Forty (40) credits are required for graduation. Academic Honors Diploma and Technical Honors Diploma require 47 credits.

INDIANA CORE 40

Effective beginning with students who enter high school in 2012-13 school year (class of 2016).

Course and Credit Requirements	
English/ Language Arts	**8 credits** Including a balance of literature, composition and speech.
Mathematics	**6 credits (in grades 9-12)** 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 course or quantitative reasoning course each year in high school*
Science	**6 credits** 2 credits: Biology I 2 credits: Chemistry I or Physics I or Integrated Chemistry-Physics 2 credits: any Core 40 science course
Social Studies	**6 credits** 2 credits: U.S. History 1 credit: U.S. Government 1 credit: Economics 2 credits: World History/Civilization or Geography/History of the World
Directed Electives	**5 credits** World Languages Fine Arts Career and Technical Education
Physical Education	**2 credits**
Health and Wellness	**1 credit**
Electives*	**6 credits** (College and Career Pathway courses recommended)
40 Total State Credits Required	

Schools may have additional local graduation requirements that apply to all students (not required for students with an IEP).

* 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 in a deliberate manner) to take full advantage of career and college exploration and preparation opportunities.

**SAT scores updated September, 2017

***WorkKeys assessment titles updated, 2018

CORE 40 with Academic Honors *(minimum 47 credits)*

For the **Core 40 with Academic Honors** designation, students must:

- 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 languages).
- Earn 2 Core 40 fine arts credits.
- Earn a grade of a "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:
  - A. Earn 4 credits in 2 or more AP courses and take corresponding AP exams
  - B. Earn 6 verifiable transcripted college credits in dual credit courses from the approved dual credit list.
  - C. Earn two of the following:
    1. A minimum of 3 verifiable transcripted college credits from the approved dual credit list,
    2. 2 credits in AP courses and corresponding AP exams,
    3. 2 credits in IB standard level courses and corresponding IB exams.
  - D. Earn a composite score of 1250 or higher on the SAT and a minimum of 560 on math and 590 on the evidence based reading and writing section.**
  - E. Earn an ACT composite score of 26 or higher and complete written section
  - F. Earn 4 credits in IB courses and take corresponding IB exams.

CORE 40 with Technical Honors *(minimum 47 credits)*

For the **Core 40 with Technical Honors** designation, students must:

- Complete all requirements for Core 40.
- Earn 6 credits in the college and career preparation courses in a state-approved College & Career Pathway and one of the following:
  1. Pathway designated industry-based certification or credential, or
  2. 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,
  - A. Any one of the options (A - F) of the Core 40 with Academic Honors
  - B. Earn the following minimum scores on WorkKeys: Workplace Documents, Level 6; Applied Math, Level 6; and Graphic Literacy, Level 5.***
  - C. Earn the following minimum score(s) on Accuplacer: Writing 80, Reading 90, Math 75.
  - D. Earn the following 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.

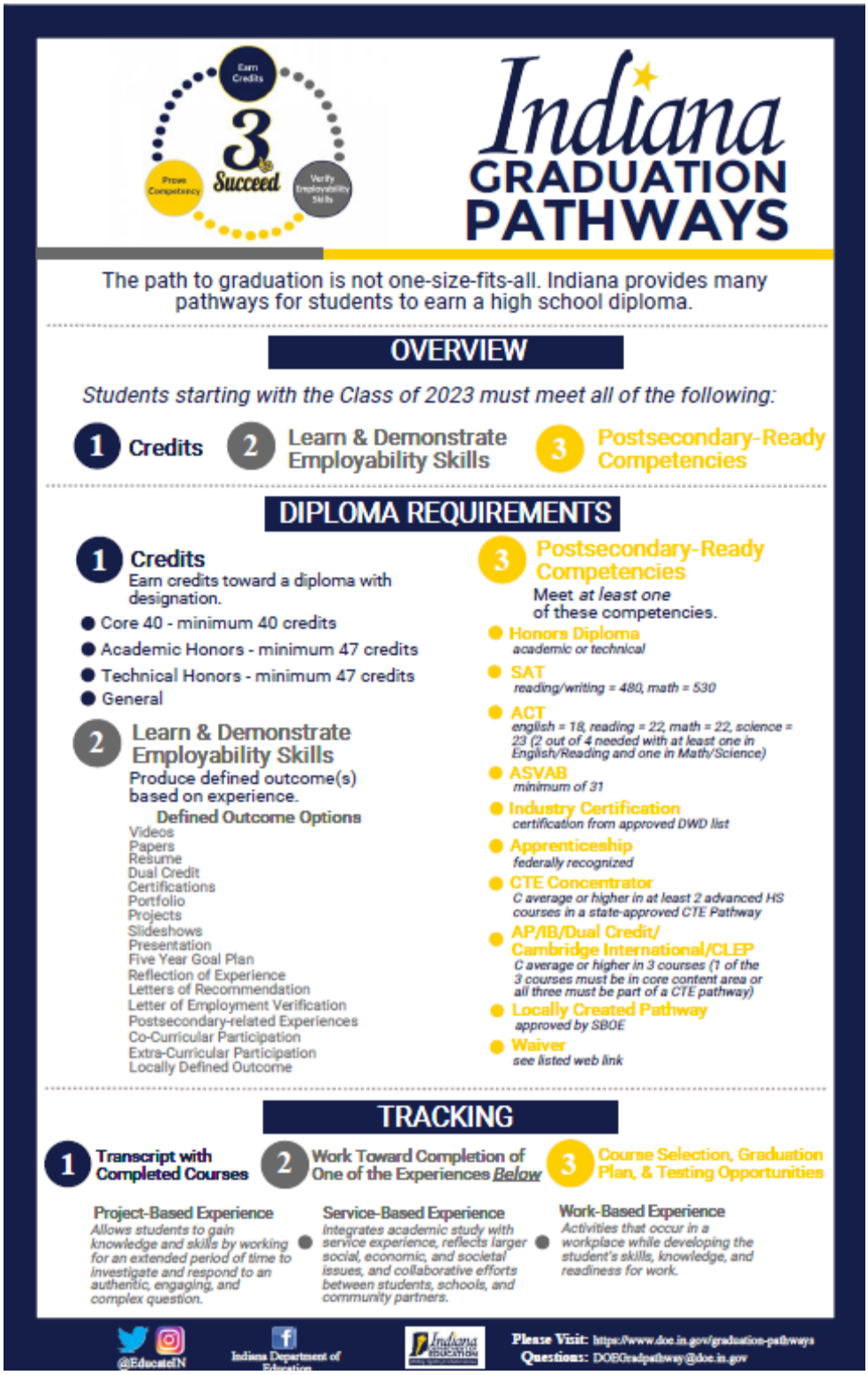
Course and Credit Requirements (Class of 2016 & Beyond)

English/Language Arts	**8 credits**
	Credits must include literature, composition and speech
Mathematics	**4 credits**
	2 credits: Algebra I or Integrated Mathematics I 2 credits: Any 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 science course ***At least one credit must be from a Physical Science or Earth and Space Science course***
Social Studies	**4 credits**
	2 credits: U.S. History 1 credit: U.S. Government 1 credit: Any social studies course
Physical Education	**2 credits**
Health and Wellness	**1 credit**
College and Career Pathway Courses Selecting electives in a deliberate manner to take full advantage of college and career exploration and preparation opportunities	**6 credits**
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** Specifies the minimum number of electives required by the state. High school schedules provide time for many more elective credits during the high school years.

40 Total Credits Required

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

(Updated Dec., 2011)


Earn Credits
3
Succeed
Prove Competency
Verify Employability Skills
Indiana
GRADUATION PATHWAYS
The path to graduation is not one-size-fits-all. Indiana provides many pathways for students to earn a high school diploma.
OVERVIEW
Students starting with the Class of 2023 must meet all of the following:
1 Credits
2 Learn & Demonstrate Employability Skills
3 Postsecondary-Ready Competencies
DIPLOMA REQUIREMENTS
1 Credits
Earn credits toward a diploma with designation.
Core 40 - minimum 40 credits
Academic Honors - minimum 47 credits
Technical Honors - minimum 47 credits
General
2 Learn & Demonstrate Employability Skills
Produce defined outcome(s) based on experience.
Defined Outcome Options
Videos
Papers
Resume
Dual Credit
Certifications
Portfolio
Projects
Slideshows
Presentation
Five Year Goal Plan
Reflection of Experience
Letters of Recommendation
Letter of Employment Verification
Postsecondary-related Experiences
Co-Curricular Participation
Extra-Curricular Participation
Locally Defined Outcome
3 Postsecondary-Ready Competencies
Meet at least one of these competencies.
Honors Diploma
academic or technical
SAT
reading/writing = 480, math = 530
ACT
english = 18, reading = 22, math = 22, science = 23 (2 out of 4 needed with at least one in English/Reading and one in Math/Science)
ASVAB
minimum of 31
Industry Certification
certification from approved DWD list
Apprenticeship
federally recognized
CTE Concentrator
C average or higher in at least 2 advanced HS courses in a state-approved CTE Pathway
AP/IB/Dual Credit/ Cambridge International/CLEP
C average or higher in 3 courses (1 of the 3 courses must be in core content area or all three must be part of a CTE pathway)
Locally Created Pathway
approved by SBOE
Waiver
see listed web link
TRACKING
1 Transcript with Completed Courses
2 Work Toward Completion of One of the Experiences Below
3 Course Selection, Graduation Plan, & Testing Opportunities
Project-Based Experience
Allows students to gain knowledge and skills by working for an extended period of time to investigate and respond to an authentic, engaging, and complex question.
Service-Based Experience
Integrates academic study with service experience, reflects larger social, economic, and societal issues, and collaborative efforts between students, schools, and community partners.
Work-Based Experience
Activities that occur in a workplace while developing the student's skills, knowledge, and readiness for work.
@EducateIN
Indiana Department of Education
Please Visit: https://www.doe.in.gov/graduation-pathways
Questions: DOEGradpathway@doe.in.gov

In addition to the academic requirements established by Indiana Department of Education, students are also required to complete the Indiana Graduation Pathways requirements. Students are required to complete at least one category in Item 2, Learn and Demonstrate Employability Skills. The options are to complete a Project Based Learning experience, Work Based learning experience or Service Based learning experience. The completion of one of these requirements will be reflected on the transcript using the following course codes as established by the Indiana Department of Education. These codes will become mandatory beginning with the graduating class of 2024.

0547 Project Based Learning
(PBL)

Project-based learning allows students to gain knowledge and skills by working for an extended period of time to investigate and respond to an authentic, engaging and complex question, problem, or challenge. The project is framed by a meaningful problem to solve or a question to answer, at the appropriate level of challenge. Students engage in a rigorous, extended process of asking questions, finding resources, and applying information. Students often make their project work public by explaining, displaying and/or presenting it to people beyond the classroom.

This course code should be used to denote completion of the Graduation Pathways Employability Skills experience.

•Recommended Grade: 9-12
•Required Prerequisites: None
•Recommended Prerequisites: Preparing for College & Careers
•Credits: 0 credits, the experience may stretch over multiple semesters & should not be marked as passing until the designated person responsible for approving the project-based learning experience validates the PBL work product.
•Qualifies as the employability skills requirement for all diplomas.

0539 Service Based Learning
(SBL)

Service-based learning integrates meaningful service to enrich and apply academic knowledge, teach civic and personal responsibility (and other employability skills), and strengthen communities.

SBL can be classified by three core indicators:
1. Integrating academic study with service experience;
2. Reflecting larger social, economic, and societal issues; and
3. Collaborative efforts between students, schools, and community partners

This course code should be used to denote completion of the Graduation Pathways Employability Skills experience.

•Recommended Grade: 9-12
•Required Prerequisites: None

•Recommended Prerequisites: Preparing for College & Careers
•Credits: 0 credits, the experience may stretch over multiple semesters & should not be marked as passing until the designated person responsible for approving the service-based learning experience validates the SBL work product.
•Qualifies as the employability skills requirement for all diplomas.

0543 Work Based Learning
(WBL)
Work-based learning (WBL) is a strategy to reinforce academic, technical, and social skills learned in the classroom through collaborative activities with employer partners.
Work-based learning experiences allow students to apply classroom theories to practical problems, to explore career options, and pursue personal and professional goals.
WBL includes activities that can occur in workplaces or school-based enterprises and involve an employer assigning a student meaningful job tasks to develop his or her skills, knowledge, and readiness for work. It supports entry or advancement in a career field and can serve as the culminating course or event in a student's chosen career pathway. Through WBL, students have the opportunity to apply the concepts, skills, and dispositions learned in previous coursework in real world settings.
This course code should be used to denote completion of the Graduation Pathways Employability Skills experience.
•Recommended Grade: 9-12
•Required Prerequisites: None
•Recommended Prerequisites: Preparing for College & Careers
•Credits: 0 credits, the experience may stretch over multiple semesters & should not be marked as passing until the designated person responsible for approving the work-based learning experience validates the WBL work product.
•Qualifies as the employability skills requirement for all diplomas.

FORMAL CORE 40 OPT OUT PROCESS

To graduate with less than Core 40 Diploma, a student and guardian are required to meet with the student's school counselor to:

(a) review the student's career and course plan,
(b) be informed of the likely consequences to the student's future if graduating without Core 40,
(c) sign a formal consent form attesting to the above,
(d) complete the courses/credits required for the state minimum diploma/North Newton Jr.-Sr. High School diploma requirements AND
(e) determine the Career Academic Sequence the student will pursue.

WEIGHTED COURSES

- AP Biology
- Anatomy and Physiology
- Calculus - Dual Credit
- English Language and Composition - Dual Credit
- Physics
- Pre Calculus/Trigonometry
- Spanish III
- Spanish IV
- United States History - Dual Credit

AP COURSES

- AP Biology

DUAL CREDIT COURSES

Purdue University Northwest

Calculus AB

- English Language and Composition
- United States History

Ivy Tech

- Advanced Life Science: Animals
- Agricultural Power, Structure & Technology
- Animal Science
- Food Science
- Horticultural Science
- Landscape Management I
- Medical Terminology
- Natural Resources
- Plant and Soil Science
- Principles of Agriculture
- Principles of Healthcare
- Sustainable Energy Alternatives

ONLINE COURSES

Edmentum online courses are available to recover credits or take classes which either are not offered at North Newton or in order to provide more course flexibility when a student's schedule has two or more conflicting classes in the physical classroom. Students will only be allowed to earn 2 credits per school year utilizing the Edmentum courses. This does not include summer school courses. Each course costs approximately $37 and is subject to change. Any technical difficulties should be directed to the Edmentum liaison. Enrollment in

online courses is at the discretion of North Newton Administration. The process for signing up for an online course is:

- Pay your balance to the school Treasurer
- Bring the proof of payment to your counselor
- Counselor adds the course to your schedule
- Take your receipt to the Edmentum liaison to get registered on the Edmentum site and get your sign on information

***Online courses are not weighted.**

**** Enrollment in online courses is at the discretion of the NN administration.**

GRADING AND GRADE POINT AVERAGE

Based on the rationale that more work should receive additional rewards and that additional rewards/incentives lead to increased student performance, the following guidelines are used in computing GPA. Weighted courses receive an additional .67 each semester with a grade of C- or better.

STANDARD SCALE			**WEIGHTED SCALE**		
A+ = 4.00	*A = 4.00*	*A- = 3.67*	*A+ = 4.67*	*A = 4.67*	*A- = 4.34*
B+ = 3.33	*B = 3.00*	*B- = 2.67*	*B+ = 4.0*	*B = 3.67*	*B- = 3.34*
C+ = 2.33	*C = 2.00*	*C- = 1.67*	*C+ = 3.0*	*C = 2.67*	*C- = 2.34*
D+ = 1.33	*D = 1.00*	*D- = .67*	*D+ = 2.0*	*D = 1.67*	*D- = 1.34*
F = 0.00			*F = 0.00*		

Nine weeks and semester average – A semester grade will be the average of the two 9 weeks grades and the semester final. A course's 9 week grade will be 45% of the semester average. The semester final will be 10% of the semester grade. [45% +45%+10% = semester grade.] ***Weighted courses have a slightly different grade distribution: [40% + 40% +20% = semester grade].*** WITH THE EXCEPTION OF CALCULUS WHICH IS 37.5%, 37.5%, AND 25%.

HONOR ROLL

There are two honor rolls that recognize student achievement:

AB Honor Roll for students with no grades below a "B-", and an **All A Honor Roll** for students with no grades below an "A-". All grades are counted in computing the Honor Roll.

EARLY GRADUATION

The IHSAA code states that a student who graduates at the end of the 7th semester cannot participate in a winter sport during the spring semester. The student must obtain the Core 40 diploma to graduate early. Any student who wishes to graduate from North Newton Jr. Sr. High School after completing seven semesters must meet the following requirements:

1. A student needs to meet the 3rd Postsecondary-Ready competencies of graduation pathways and ensure that their supporting documentation is submitted to Student Services before the end of their last semester.

2. A student needs to have passed all required courses through their junior year and have at least 40 credits by the end of their junior year.
3. A student must take a semester of English 12 or equivalent before their senior year.
4. A student must write a letter stating the reason(s) they wish to graduate a semester early and submit their letter to the principal by the last student day of their junior year and must attend a meeting with the administration to discuss their letter and to evaluate their academic, attendance and behavior records.
5. The North Newton School Board has to approve all early graduation requests.
6. The students will be ranked the first semester of their senior year and listed as a member of their senior graduating class and may participate in the June graduation ceremony with their class.
7. If a student wishes to attend any extra-curricular dances during the spring semester of their senior year, they will need to accompany an enrolled student and apply for a guest pass.

Note: As Graduation Requirements evolve, North Newton School Corporation reserves the right to amend early graduation expectations as the state makes changes throughout the year related to Graduation Pathways.

ACADEMIC HONORS AND CORE 40 DIPLOMA GRANTS are offered only to Frank O'Bannon Grant recipients who have financial need and who graduate from an eligible Indiana high school with an Academic Honors or Core 40 diploma with accumulative GPA of 3.0 and 2.0 respectively on a 4.0 scale. Graduating with the diplomas does not guarantee financial aid. If you think you should have the grant but do not or if you have been awarded one of these grants without meeting the qualifications, go to www.ahdc40.in.gov/fix immediately and follow the instructions. Claiming an award you do not deserve will permanently disqualify you from receiving state grants.

21st CENTURY SCHOLARS SCHOLARSHIP

Affirmed 21st Century Scholars must graduate from an eligible Indiana high school with a final GPA of 2.5 or better on a 4.0 scale. In addition they must enroll full-time at an eligible Indiana college and abstain from criminal activity and the illegal use of controlled substances including alcohol. Failure to meet these requirements will result in loss of the scholarship. If you do not have the required school GPA or have engaged in criminal activities, immediately contact SSACI at (317) 233-2100. Claiming an award you do not deserve will permanently disqualify you from receiving state grants. Students must apply by June 30th of their 8th grade year. Scholars must participate in an academic success program. A student must be a member of a household with an annual income of not more than the amount required for the student to qualify for federal free or reduced price lunches, as determined by the immediately preceding tax year for the household. Scholars must use the scholarship within one year. Students can apply for this scholarship starting their 7th grade through June 30th at

the end of their 8th grade year. Go online at www.Scholars.in.gov to apply.

ADVANCED COLLEGE CREDIT COURSES

COLLEGE LEVEL COURSES

North Newton students may enroll in college courses at an accredited college with the approval of the school counselor and the college admissions department. Each student who intends to enroll in a college course shall notify the counselor. The student and parents are responsible for the course fees and for transportation costs. The student is responsible for applying to the college. The parent and student must sign an agreement to these requirements.

Students taking dual credit Ivy Tech courses at North Newton will not receive weighted grades for these courses.

If a student fails the college course, the student will receive an "F" on the high school transcript which will be calculated in the student's grade point average. If a student fails to complete a college course by the end of North Newton's semester, the student will receive a grade of incomplete until the correct grade is received. A grade point average will not be calculated and a class rank will not be determined until the grade is received. A senior with an incomplete at the end of the eighth semester, will not be considered for the top 10% or valedictorian or salutatorian. All North Newton graduation requirements must be met in order for a student to participate in the graduation ceremony.

If a student doesn't finish a college course and withdraws due to poor academic performance or due to difficulty of the course, the student will receive an "F" on the high school transcript if the drop is after the first two weeks of a semester.

IVY TECH

North Newton currently has an articulated agreement with Ivy Tech Community College for the
following courses:

- Advanced Life Science: Animals
- Agricultural Power, Structure & Technology
- Animal Science
- Advanced Life Science: Animal Science
- Food Science
- Horticultural Science
- Landscape Management I

- Medical Terminology
- Natural Resources
- Plant and Soil Science
- Principles of Healthcare
- Sustainable Energy Alternatives

The classes that are bold: Culinary Arts and Hospitality I, Culinary Arts and Hospitality II: Culinary Arts, Human Development and Wellness, and Medical Terminology all require a passing score on the Knowledge Assessment exam, in both Reading (76) and Writing (80). The student can alternatively earn dual credit if a passing score on Knowledge Assessment was not received by:

- Seniors with a 2.6 GPA or higher and at least a Core 40 Diploma
- One testing scores high enough from each Reading and Writing Subscores:
    - Reading Subscores (PSAT-25, SAT-25, ACT-18)
      ---------AND--------
    - Writing Subscores (PSAT-26, SAT-28, ACT-17)

PURDUE UNIVERSITY NORTHWEST

North Newton will have the opportunity to attain dual credit through Purdue University Northwest while completing courses at North Newton. Within a select set of classes, North Newton students will have the opportunity to receive college credit. Students must fulfill two of the following three requirements to enroll in a dual credit course through Purdue University Northwest:

1] Rank in the upper one third of their class
2] Cumulative grade point average of 3.0 or better or
3] combined SAT score of 1500 or a combined ACT score of 21.

The current fee for the courses is $25.00 per credit hour and is subject to change. The following courses will be offered for dual credit at North Newton:

- Calculus AB
- English Language and Composition
  United States History

NOTICE OF RIGHT TO AMEND OFFERED COURSES

While this Course Catalog is intended to encompass all courses that are currently offered or may be offered throughout the course of the year, the administration reserves the right to

add any course that may be needed to assist students in meeting Graduation Requirements.

With the continued evolution of Graduation Pathways, it has become common for prerequisites for CTE and other courses to change, as well as what courses constitute a Pathway. In order to meet the needs of our students, it is important that we continue to adjust our curriculum to comply with DOE expectations.

To get the most up to date information regarding graduation requirements and Graduation Pathways, please consult the DOE website.

ADVANCED PLACEMENT COURSES

Advanced Placement (AP) courses are intended to be equivalent to a similar college level course. The College Board does not designate a time period during which the content of the high school course is to be covered. Most AP courses require two traditional semesters to adequately address the course content and prepare students for the associated exam. The bulleted items following each course description indicate a few AP classes that could conceivably be completed in either one semester or two. All schools wishing to label a course "AP" must submit the subject-specific AP Course Audit form and the course syllabus to the College Board for each teacher of that AP course. The AP course audit information and is available at http://www.collegeboard.com/html/apcourseaudit/. It is also strongly recommended that all AP teachers take advantage of professional development opportunities in their content area.

Student Selection Criteria for AP courses: The College Board suggests that all students who are willing to accept the challenge of a rigorous academic curriculum should be considered for admission to AP courses. The College Board encourages the elimination of barriers that restrict access to AP courses for students from ethnic, racial, and socioeconomic groups that have been traditionally underrepresented in the AP Program. Schools should make every effort to ensure that their AP classes reflect the diversity of

their student population. The IDOE further supports a school developing criteria for admission to AP courses to include, but are not limited to, AP Potential, previous success in content area courses, teacher recommendations and standardized test results.

A comprehensive description of all AP course can be found on the College Board AP Central Course Description web page at:
http://apcentral.collegeboard.com/apc/public/courses/descriptions/index.htmlIndiana

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CAREER AND TECHNICAL EDUCATION COURSES

0812 PREPARING FOR COLLEGE AND CAREERS (*PREP CC 5394*)

Preparing for College and Careers addresses the knowledge, skills, and behaviors all students need to be prepared for success in college, career, and life. The focus of the course is the impact of today's choices on tomorrow's possibilities. Topics to be addressed include twenty-first century life and career skills; higher order thinking, communication, leadership, and management processes; exploration of personal aptitudes, interests, values, and goals; examining multiple life roles and responsibilities as individuals and family members; planning and building employability skills; transferring school skills to life and work; and managing personal resources. This course includes reviewing the 16 national career clusters and Indiana's College and Career Pathways, in-depth investigation of one or more pathways, reviewing graduation plans, developing career plans, and developing personal and career portfolios. A project-based approach, including computer and technology applications, cooperative ventures between school and community, simulations, and real life experiences, is recommended.

- Recommended Grade: 9
- Required Prerequisites: none
- Recommended Prerequisites: None
- Credits: 1 to 2 semester course, 1 credit per semester, 2 credits maximum
- Qualifies as one of the FACS courses a student can take to waive the Health & Wellness graduation requirement. To qualify for a waiver, a student must take three of the approved courses. For more information, please see 511 IAC 6-7.1-4(c) (6).

- Counts as a Directed Elective or Elective for all diplomas

5394 APPLIED PREPARING FOR COLLEGE AND CAREERS *(PREP CC)*

Applied Preparing for College and Careers addresses the knowledge, skills, and behaviors all students need to be prepared for success in college, career, and life. The focus of the course is the impact of today's choices on tomorrow's possibilities. Topics to be addressed include twenty-first century life and career skills; higher order thinking, communication, leadership, and management processes; exploration of personal aptitudes, interests, values, and goals; examining multiple life roles and responsibilities as individuals and family members; planning and building employability skills; transferring school skills to life and work; and managing personal resources. This course includes reviewing the 16 national career clusters and Indiana's College and Career Pathways, in- depth investigation of one or more pathways, reviewing graduation plans, developing career plans, and developing personal and career portfolios. A project-based approach, including computer and technology applications, cooperative ventures between school and community, simulations, and real life experiences, is recommended.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- 2 units maximum
- Counts as an Elective or Employability for the Certificate of Completion

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CTE: ADVANCED MANUFACTURING CAREER CLUSTER

****North Newton is not currently offering any classes in the Advanced Manufacturing Cluster.**

CTE: AGRICULTURE CAREER CLUSTER

5056 Introduction to Agriculture, Food, and Natural Resources *(INT AGFNR)*

Introduction to Agriculture, Food, and Natural Resources is a two semester course that is highly recommended as a prerequisite to and as a foundation for all other agricultural classes. Through hands-on learning activities, students are encouraged to investigate areas of agriculture. Students are introduced to the following areas of agriculture: animal science, plant and soil science, food science, horticultural science, agricultural business management, natural resources, agriculture power, structure, and technology, careers in agriculture,

leadership, and supervised agricultural experience. An activity and project-based approach is used along with team building to enhance the effectiveness of the student learning activities.

- Recommended Grade(s): 9
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 or 2 semester course, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective for all diplomas

7117 Principles of Agriculture *(PRIN AG)*

Principles of Agriculture is a two-semester course that will cover the diversity of the agricultural industry and 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 and 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 in order to develop leadership and career ready skills.

- Recommended Grade(s): 9, 10, 11
- Required Prerequisites: none
- Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective credits for all diplomas

5008 Animal Science *(ANML SCI)*

Animal Science is a two-semester course that provides students with an overview of the animal agriculture industry. Students participate in a large 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.

● Recommended Grade(s): 10, 11, 12
● Required Prerequisites: Principles of Agriculture*
● Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources
● Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
● Counts as a directed elective or elective for all diplomas
● Fulfills a science course requirement for all diplomas
● Fulfills a physical science requirement for General Diploma
● *Principles course is not required until the 2024-2025 school year because this course is included in Perkins V pathways. Students in the Class of 2025 and beyond must complete the course to earn concentrator status.

5070 Advanced Life Science, Animals (L) *(ALS ANIML)*

Advanced Life Science: Animals is a two-semester course that 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.
● Recommended Grade(s): 11, 12
● Required Prerequisites: Principles of Agriculture*; or Principles of Veterinary Science*
● Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources; Animal Science; Biology; Chemistry; Integrated Chemistry Physics
● Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
● Fulfills a science requirement for all diplomas
● Counts as a quantitative reasoning course
● Counts as an elective or directed elective for all diplomas.
● *Principles course is not required until the 2024-2025 school year because this course is included in Perkins V pathways. Students in the Class of 2025 and beyond must complete the course to earn concentrator status.

5102 Food Science *(FOOD SCI)*

Food Science is a two semester course that provides students with an overview of food science and the role it plays in the securing of a safe, nutritious, and adequate food supply. A project-based approach is utilized in this course, along with laboratory, team building, and problem solving activities to enhance student learning. Students are introduced to the following areas of food science: food processing, food chemistry and physics, nutrition, food microbiology, preservation, packaging and labeling, food commodities, food regulations, issues and careers in the food science industry.

● Recommended Grade(s): 10, 11, 12
● Required Prerequisites: Principles of Agriculture* 220 Indiana Department of Education High School Course Titles and Descriptions: 2023-2024
● Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources
● Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
● Counts as a directed elective or elective for all diplomas.
● Fulfills a Life Science or Physical Science requirement for the General Diploma
● *Principles course is not required until the 2024-2025 school year because this course is included in Perkins V pathways. Students in the Class of 2025 and beyond must complete the course to earn concentrator status.

5072 Advanced Life Science: Foods *(ALS FOODS)*

Advanced Life Science: Foods is a course that provides students with opportunities to participate in a variety of activities including laboratory work. This is a standards-based, interdisciplinary science course that integrates biology, chemistry, and microbiology in the context of foods and the global food industry. Students enrolled in this course formulate, design, and carry out food-base laboratory and field investigations as an essential course component. Students understand how biology, chemistry, and physics principles apply to the composition of foods, the nutrition of foods, food and food product development, food processing, food safety and sanitation, food packaging, and food storage. Students completing this course will be able to apply the principles of scientific inquiry to solve problems related to biology, physics, and chemistry in the context of highly advanced industry applications of foods.

● Recommended Grade(s): 11, 12
● Required Prerequisites: Principles of Agriculture*

● Recommended Prerequisites: Chemistry; Biology; Introduction to Agriculture, Food and Natural Resources; Food Science; Nutrition and Wellness; Advanced Nutrition and Wellness
● Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
● Fulfills a science requirement for all diplomas
● Counts as a quantitative reasoning course
● Counts as an elective or directed elective for all diplomas.
● *Principles course is not required until the 2024-2025 school year because this course is included in Perkins V pathways. Students in the Class of 2025 and beyond must complete the course to earn concentrator status.

5170 Plant and Soil Science *(PLT SL SCI)*

Plant and Soil Science a two semester course that provides students with opportunities to participate in a variety of activities including laboratory and field work. Coursework includes hands-on learning activities that encourage students to investigate areas of plant and soil science. Students are introduced to the following areas of plant and soil science: plant growth, reproduction and propagation photosynthesis and respiration, diseases and pests of plants and their management, biotechnology, the basic components and types of soil, soil tillage, and conservation.
● Recommended Grade(s): 10, 11, 12
● Required Prerequisites: Principles of Agriculture*
● Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources
● Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
● Counts as a directed elective or elective for all diplomas
● Fulfills a science course requirement for all diplomas
● Fulfills a Physical Science requirement for the general diploma
● *Principles course is not required until the 2024-2025 school year because this course is included in Perkins V pathways. Students in the Class of 2025 and beyond must complete the course to earn concentrator status.

5074 Advanced Life Science, Plants and Soils (L) *(ALS PLT/SL)*

Advanced Life Science: Plants and Soils is a two semester course that provides students with opportunities to participate in a variety of activities including laboratory work. Students study concepts, principles, and theories associated with plants and soils. Knowledge gained enables them to better understand the workings of agricultural and horticultural practices. They recognize how plants are classified, grow, function, and reproduce. Students explore plant genetics and the use of plants by humans. They examine plant evolution and the role of plants in ecology. Students investigate, through laboratories and fieldwork, how plants function and how soil influences plant life.

- Recommended Grade(s): 11, 12
- Required Prerequisites: Principles of Agriculture*
- Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources; Plant and Soil Science; Biology; Chemistry
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Fulfills a science requirement for all diplomas
- Counts as a quantitative reasoning course
- Counts as an elective or directed elective for all diplomas.
- *Principles course is not required until the 2024-2025 school year because this course is included in Perkins V pathways. Students in the Class of 2025 and beyond must complete the course to earn concentrator status.

5132 Horticultural Science *(HORT SCI)*

Horticulture Science is a two semester course that 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.

- Recommended Grade(s): 10, 11, 12
- Required Prerequisites: Principles of Agriculture*
- Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources

● Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
● Counts as a directed elective or elective for all diplomas.
● Fulfills a Life Science or Physical Science requirement for the General Diploma
● *Principles course is not required until the 2024-2025 school year because this course is included in Perkins V pathways. Students in the Class of 2025 must complete this course to earn Concentrator Status.

7115 Landscape and Turf Management *(LAND TUR MAN)*

Landscape and Turf Management is a two-semester course that provides the student 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.
● Recommended Grade(s): 10, 11, 12
● Required Prerequisites: Principles of Agriculture
● Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources
● Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
● Counts as a directed elective or elective credits for all diplomas

5136 Landscape Management I *(LAND MGMT I)*

Landscape Management is a two semester course that provides the student with an overview of the many career opportunities in the diverse field of landscape 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.
● Recommended Grade(s): 11, 12

● Required Prerequisites: none
● Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources
● Credits: Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
● Counts as an elective or directed elective for all diplomas
● Qualifies as a quantitative reasoning course
● Schools wishing to offer this course for multiple credits should utilize Next Level Programs of Study courses.

5180 Natural Resources *(NAT RSS)*

Natural Resources is a two semester course that provides students with a background in environmental science and conservation. Course work includes hands-on learning activities that encourage students to investigate areas of environmental concern. Students are introduced to the following areas of natural resources: soils, the water cycle, air quality, outdoor recreation, forestry, minerals, interrelationships between humans and natural systems, wetlands, wildlife, safety, careers, leadership, and supervised agricultural experience programs.
● Recommended Grade(s): 10, 11, 12
● Required Prerequisites: Principles of Agriculture*
● Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources
● Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
● Counts as an elective or directed elective for all diplomas.
● Fulfills a science requirement for all diplomas.
● *Principles course is not required until the 2024-2025 school year because this course is included in Perkins V pathways. Students in the Class of 2025 and beyond must complete the course to earn Concentrator status.

5229 Sustainable Energy Alternatives *(SUS NRG)*

Sustainable Energy Alternatives broadens a student's understanding of environmentally friendly energies. In this course students will use a combination of classroom, laboratory, and field experiences to analyze, critique, and design alternative energy systems. Class content and activities center on renewability and sustainability for our planet. Topics covered in this course include the following types of alternative energies: solar, wind, geothermal, biomass and emerging technologies.

Leadership development, supervised agricultural experiences, and career exploration opportunities are explored in the field. Sustainable energy is also included.

- Recommended Grade(s): 11, 12
- Required Prerequisites: Principles of Agriculture*
- Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Fulfills a science course requirement for all diplomas
- Counts as a directed elective or elective for all diplomas
- *Principles course is not required until the 2024-2025 school year because this course is included in Perkins V pathways. Students in the class of 2025 and beyond must complete the course to earn Concentrator Status.

5228 Supervised Agricultural Experience (SAE) *(SAE)*

Supervised Agricultural Experience (SAE) is designed to provide students with opportunities to gain experience in the agriculture field(s) in which they are interested. Students will experience and apply what is learned in the classroom, laboratory and training site to real-life situations with a standards-based plan for learning. 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.

- Recommended Grade(s): 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources
- Credits: 1 semester course, 1 credit per semester, 8 credits maximum
- Counts as a directed elective or elective for all diplomas.
- Curriculum content and standards-based plan for learning should not be duplicated when this course is taken for multiple semesters.

5088 Agriculture Power, Structure, and Technology *(AG POW)*

Agriculture Power, Structure and Technology is a two semester, lab intensive course in which students develop an understanding of 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 agriculture power, structure, and technology.

- Recommended Grade(s): 10, 11, 12
- Required Prerequisites: Principles of Agriculture*
- Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective for all diplomas
- *Principles course is not required until the 2024-2025 school year because this course is included in Perkins V pathways. Students in the class of 2025 and beyond must complete the course to earn concentrator status.

7112 Agriculture Structures Fabrication and Design *(AG ST FAB DES)*

Agricultural Structures Fabrication and Design is a two-semester course that focuses on metal work, and agricultural structures. This course will allow 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.

- Recommended Grade(s): 10, 11, 12
- Required Prerequisites: Principles of Agriculture*
- Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective credits for all diplomas
- Counts as a quantitative reasoning course
- *The Principles course is not required until the 2024-2025 school year because this course is included in Perkins V pathways. Students in the class of 2025 and beyond must complete the course to earn concentrator status.

CTE: ARCHITECTURE AND CONSTRUCTION CAREER CLUSTER

****North Newton is not currently offering any classes in the Architecture and Construction Career cluster.**

CTE: BUSINESS, MARKETING, AND ENTREPRENEURSHIP CAREER CLUSTER

4518 Introduction to Business *(INTO BUSS)*
Introduction to Business introduces students to the world of business, including the concepts, functions, and skills required for meeting the challenges of operating a business in the twentyfirst century on a local, national, and/or international scale. The course covers business management, entrepreneurship, marketing fundamentals, and business ethics and law. The course develops business vocabulary and provides an overview of business and the role that business plays in economic, social, and political environments.
- Recommended Grade(s): 9, 10
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 to 2 semester course, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective for all diplomas

0821 Principles of Business Management *(PRIN BUS 4562)*
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.
- Recommended Grade(s): 9, 10, 11
- Required Prerequisites: none
- Recommended Prerequisites: Digital Applications and Responsibility
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective for all diplomas

7150 Personal Finance and Banking *(PERSON FIN/BNK)*
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.
● Recommended Grade(s): 10, 11, 12
● Required Prerequisites: Principles of Business Management
● Recommended Prerequisites: none
● Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
● Counts as a Directed Elective or Elective for all diplomas

4524 ACCOUNTING FUNDAMENTALS *(INTO ACCT)*

Accounting Fundamentals introduces the language of business using 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.

- Recommended Grade: 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

4522 ADVANCED ACCOUNTING *(ADV ACC)*

Advanced Accounting expands on 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.

- Recommended Grade: 10, 11, 12
- Required Prerequisites: Accounting Fundamentals
- Recommended Prerequisites: none
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective for all diplomas
- Qualifies as a quantitative reasoning course

4560 BUSINESS LAW AND ETHICS (*BUS LAW ETH*)

Business Law and Ethics provides an overview of the legal system in the business setting. Topics covered include: basics of the judicial system, contract, personal, employment and property law. Application of legal principles and ethical decision-making techniques are presented through problem-solving methods, case review, and situational analyses.

- Recommended Grade: 11, 12

- Required Prerequisites: none
- Recommended Prerequisites: None
- Credits: 1 to 2 semester course, 1 credit per semester, 2 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

5914 MARKETING FUNDAMENTALS (*PRN MRKT*)

Marketing Fundamentals provides a basic introduction to the scope and importance of marketing in the global economy. Emphasis is placed on oral and written communications, mathematical applications, problem-solving, and critical thinking skills as they relate to advertising/promotion/selling, distribution, financing, marketing-information management, pricing, and product/service management.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: None
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

PRINCIPLES OF BUSINESS 7152 (*PRIN BUS*)

Principles of Business examines American business including business ownership, organization
principles and problems, management, control facilities, administration, financial management, and
development practices of American 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 Microsoft Word, Excel, Access, and PowerPoint.

- Recommended Grade: 9, 10, 11
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective for all diplomas

7154 PRINCIPLES OF ENTREPRENEURSHIP (*PRIN ENTR*)

Principles of Entrepreneurship focuses on the characteristics of a successful entrepreneur and the creation of a business concept. The course helps students explore the answers to questions about what is on the entrepreneur journey before the idea is launched in the world. Is your idea worth pursuing? What are the risks in starting a business? The course helps students apply what they have learned from the content when they write a Personal Vision Statement, a Business Concept Statement, and an Elevator Pitch.

- Recommended Grade: 9, 10, 11
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

5918 STRATEGIC MARKETING *(STRT MRKT)*

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.

- Recommended Grade: 10, 11, 12
- Required Prerequisites: NLPS-Principles of Business; and Marketing Fundamentals
- Recommended Prerequisites: Principles of Business Management or Marketing Fundamentals
- Credits: 2 semester course, 2 semesters required, 1-2 credits per semester, 4 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

CTE: EDUCATION AND TRAINING CAREER CLUSTER

5408 EDUCATION PROFESSIONS I (*ED PROF I*)

Education Professions I provides the foundation for employment in education and related careers and prepares students for study in higher education. An active learning approach that utilizes higher order thinking, communication, leadership, and management processes is recommended in order to integrate suggested topics into the study of education and related careers. The course of study includes, but is not limited to: the teaching profession, the learner and the learning process, planning instruction, learning environment, and instructional and assessment strategies. Exploratory field experiences in classroom settings

and career portfolios are required components. A standards-based plan guides the students' field experiences. Students are monitored in their field experiences by the Education Professionals I teacher. Articulation with postsecondary programs is encouraged.

- Recommended Grade: 11,12
- Required Prerequisite: none
- Recommended Prerequisites: Nutrition and Wellness; Child Development, Advanced Child Development; and Interpersonal Relationships
- Credits: 2 semester course, 2 semesters required, 1-3 credits per semester, 6 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

5404 EDUCATION PROFESSIONS II (*ED PROF II*)

Education Professions II prepares students for employment in education and related careers and provides the foundation for study in higher education in these career areas. An active learning approach that utilizes higher order thinking, communication, leadership, and management processes is recommended in order to integrate suggested topics into the study of education and related careers. The course of study includes, but is not limited to: the teaching profession, the learner and the learning process, planning instruction, learning environment, and instructional and assessment strategies. Extensive field experiences in one or more classroom settings, resumes, and career portfolios are required components. A standards-based plan guides the students' field experiences. Students are monitored in their field experiences by the Education Professions II teacher. Articulation with postsecondary programs is encouraged.

- Recommended Grade: 12
- Required Prerequisites: Education Professions I
- Recommended Prerequisites: none
- Credits: 2 semester course, 2 semesters required, 1-3 credits per semester, 6 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

7160 PRINCIPLES OF EARLY CHILDHOOD EDUCATION *(PRIN EAR CH ED)*

This course provides students with an overview of skills and strategies necessary to successfully complete a certificate. Additionally, it provides an overview of the history, theory, and foundations of early childhood education as well as exposure to types of programs, curricula and services available to young children. This course also examines basic principles of child development, Developmentally Appropriate Practices (DAP), importance of family, licensing, and elements of quality care of young children with an emphasis on the learning

environment related to health, safety, and nutrition. Students may be required to complete observations and field experiences with children as related to this course.

- Recommended Grade: 9, 10, 11
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

7161 PRINCIPLES OF TEACHING (*PRIN TEACH*)

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 volunteer experience of a minimum of 20 hours is required for successful 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.

- Recommended Grade: 9, 10, 11
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

7162 Teaching and Learning (*TEACH LRN*)

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.

•Recommended Grade(s): 10, 11, 12

•Required Prerequisites: Principles of Teaching

Recommended Prerequisites: none

•Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum

•Counts as a directed elective or elective for all diplomas

7157 Child and Adolescent Development (*CHLD ADL DEV*)

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.

- Recommended Grade(s): 10, 11, 12
- Required Prerequisites: Principles of Teaching
- Recommended Prerequisites: none
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective for all diploma

CTE: FAMILY AND CONSUMER SCIENCES CAREER CLUSTER

5366 HUMAN DEVELOPMENT AND WELLNESS *(HUMAN DEV)*

Human Development and Wellness is valuable for all students as a life foundation and academic enrichment; it is especially relevant for students interested in careers impacted by individuals' physical, social, emotional, and moral development and wellness across the lifespan. Major topics include principles of human development and wellness; impacts of family on human development and wellness; factors that affect human development and wellness; practices that promote human development and wellness; managing resources and services related to human development and wellness; and career exploration in human development and wellness. Life events and contemporary issues addressed in this course include (but are not limited to) change; stress; abuse; personal safety; and relationships among lifestyle choices, health and wellness conditions, and diseases. A project-based approach that utilizes higher order thinking, communication, leadership, and management processes is recommended in order to integrate the study of these topics. Authentic applications through service learning are encouraged.

- Recommended Grade: 10, 11, 12

- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1-2 semester course, 1 credit per semester, 2 credits maximum
- Counts as a Directed Elective or Elective for all diplomas
- Qualifies as one of the FACS courses a student can take to waive the Health & Wellness graduation requirement. To qualify for the Health and Wellness waiver, a student must take three of the approved courses. For more information, see 511 IAC 6-7.1-4(c)(6)
    - *Dual Credit available through Ivy Tech, Lafayette Campus:*
    - *College Course Name: HLHS 111-Health and Wellness for Life*
    - *College Credits: 2 semester course, 3 credits total*
    - *Requires a passing score on Knowledge Assessment to qualify for dual credit*
        - *READING: KAR/W: 70, Accuplacer: 76; Next Gen 257; ACT: 18; SAT 2016: 25 or 460; PSAT 2016: 25 or 430; GPA: 2.6 on a 4.0 scale*
        - *WRITING: KAR/W: 70, Accuplacer: 80; Next Gen 257; ACT: 17; SAT 2016: 27 or 460; PSAT 2016: 26 or 430; GPA: 2.6 on a 4.0 scale*

5366 APPLIED HUMAN DEVELOPMENT AND WELLNESS *(HUMAN DEV)*

Applied Human Development and Wellness is valuable for all students as a life foundation and academic enrichment. Course content includes individuals' physical, social, emotional, and moral development and wellness across the lifespan. Major topics include principles of human development and wellness; impacts of family on human development and wellness; factors that affect human development and wellness; practices that promote human development and wellness; managing resources and services related to human development and wellness; and career exploration in human development and wellness. Life events and contemporary issues addressed in this course include (but are not limited to) change; stress; abuse; personal safety; and relationships among lifestyle choices, health and wellness conditions, and diseases. A project or community based approach that utilizes problem solving skills, communication, leadership, self-determination skills, and management processes is recommended in order to apply and generalize these skills in authentic settings.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- 2 units maximum
- Counts as an Employability Requirement or elective for the Certificate of Completion

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CTE: HEALTH SCIENCE CAREER CLUSTER

7166 Healthcare Specialist: CNA (*HC SPEC CNA*)

The Healthcare Specialist: CNA prepares individuals desiring to work as nursing assistants with the knowledge, skills and attitudes essential for providing basic care in extended care facilities, hospitals and home health agencies under the direction of licensed nurses. The course will introduce students to the disease process and aspects of caring for a long-term care resident with dementia. Individuals who successfully complete this course are eligible to apply to sit for the Indiana State Department of Health (ISDH) certification exam for nursing assistants. This course meets the minimum standards set forth by the ISDH for Certified Nursing Assistant training and for health care workers in long-term care facilities.
•Recommended Grade(s): 10, 11, 12
•Required Prerequisites: Principles of Healthcare
•Recommended Prerequisites: none •Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
•Counts as a directed elective or elective for all diplomas

5274 MEDICAL TERMINOLOGY (*MED TERMS*)

Medical Terminology 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. 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, and abbreviations, signs, and symbols.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, maximum of 2 credits
- Counts as a Directed Elective or Elective for all diplomas

7168 PRINCIPLES OF HEALTHCARE (*PRIN HLCR*)

Principles of Healthcare content includes 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.

- Recommended Grade: 9, 10, 11
- Required Prerequisites: none
- Recommended Prerequisites: none

- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

CTE: HOSPITALITY AND HUMAN SERVICES CAREER CLUSTER

7169 Culinary Arts *(CUL 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.

● Recommended Grade(s): 10, 11, 12
● Required Prerequisites: Principles of Culinary and Hospitality
● Recommended Prerequisites: none
● Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
● Counts as a directed elective or elective for all diplomas

7173 PRINCIPLES OF CULINARY and HOSPITALITY *(PRIN HOSP)*

Principles of 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, this course will help students learn basic principles of sanitation and safety in order to maintain a safe and healthy food service environment. It presents laws and regulations related to safety, fire, and sanitation and how to adhere to them in the food service operation.

- Recommended Grade: 9, 10, 11
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a Directed Elective or Elective for all diplomas
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7235 Baking and Pastry Capstone 7235 (*BAKE PSTRY CAP*)

High School Course Titles and Descriptions 2022-2023 310 The objective of this course is to help students understand the science of baking and the different reactions that take place based on the ingredients, temperatures, and equipment in relation to the final product. The course requires students to produce and finish a variety of cakes. The course emphasizes application techniques, color coordination, and the flavor and texture of fillings. Students will practice the techniques of basic cake decorating. This course will also address classical French and European desserts, including the preparation of goods such as Napoleons, Gateau St. Honoré, petit fours and petit fours sec, ganaches, pastry creams and fillings, sauces, flans and tarts, and European sponges. The course also includes instruction in tempering of chocolates, molding, and chocolate plastique, preparation of truffles, pastillage and marzipan, short doughs, and meringues. The student will be instructed in the latest preparation methods, innovative ideas for impressive plate presentations, and techniques that utilize specialized equipment and tools to make high-tech, novel creations

•Recommended Grade(s): 11, 12

•Required Prerequisites: Principles of Culinary and Hospitality; Nutrition; Culinary Arts

•Recommended Prerequisites: none

•Credits: 2 semester course, 2 semester required, 1-3 credits per semester, 6 credits max

•Counts as a Directed Elective or Elective for all diplomas

CULINARY ARTS AND HOSPITALITY I *5440* (*CULART HOSP*)

Culinary Arts and Hospitality I prepares students for occupations and higher education programs of study related to the entire spectrum of careers in the hospitality industry. This course builds a foundation that prepares students to enter the Advanced Culinary Arts or Advanced Hospitality courses. Major topics include: introduction to the hospitality industry; food safety and personal hygiene; sanitation and safety; regulations, procedures, and emergencies; basic culinary skills; culinary math; and food preparation techniques and applications; principles of purchasing, storage, preparation, and service of food and food products; apply basic principles of sanitation and safety in order to maintain safe and healthy food service and hospitality environments; use and maintain related tools and equipment; and apply management principles in food service or hospitality operations. Intensive laboratory experiences with commercial applications are a required component of this course of study. Student laboratory experiences may be either school-based or "on-the-job" or a combination of the two. Work-based experiences in the food industry are strongly encouraged. A standards-based plan guides the students' laboratory experiences. Students are monitored in their laboratory experiences by the Culinary Arts and Hospitality teacher. Articulation with postsecondary programs is encouraged.

- Recommended Grade: 11,12
- Required Prerequisites: none

- Recommended Prerequisites: Nutrition and Wellness; Introduction to Culinary Arts & Hospitality
- Credits: 2 semester course, 2 semesters required, 1-3 credits per semester, 6 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

5346 CULINARY ARTS AND HOSPITALITY II: CULINARY ARTS *(CUL HOSP II: CUL ARTS)*

Culinary Arts and Hospitality II: Culinary Arts prepares students for occupations and higher education programs of study related to the entire spectrum of careers in the food industry, including (but not limited to) food production and services; food science, dietetics, and nutrition; and baking and pastry arts. Major topics for this advanced course include: basic baking theory and skills, introduction to breads, introduction to pastry arts, nutrition, nutrition accommodations and adaptations, cost control and purchasing, and current marketing and trends. Instruction and intensive laboratory experiences include commercial applications of principles of nutrition, aesthetic, and sanitary selection; purchasing, storage, preparation, and service of food and food products; using and maintaining related tools and equipment; baking and pastry arts skills; managing operations in food service, food science, or hospitality establishments; providing for the dietary needs of persons with special requirements; and related research, development, and testing. Intensive laboratory experiences with commercial applications are a required component of this course of study. Student laboratory experiences may be either school-based or "on the job" or a combination of the two. Advanced Culinary Arts builds upon skills and techniques learned in Culinary Arts and Hospitality Management, which must be successfully completed before enrolling in this advanced course. Work-based experiences in the food industry are strongly encouraged. A standards-based plan guides the students' laboratory and work-based experiences. Students are monitored in these experiences by the Advanced Culinary Arts teacher. Articulation with postsecondary programs is encouraged.

- Recommended Grade: 12
- Required Prerequisites: Culinary Arts and Hospitality I
- Recommended Prerequisites: none
- Credits: 2 semester course, 2 semesters required, 1-3 credits per semester, 6 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

INTRODUCTION TO CULINARY ARTS AND HOSPITALITY *5438* (*INT CUL HOS*)

Introduction to Culinary Arts and Hospitality is recommended for all students regardless of their career cluster or pathway, in order to build basic culinary arts knowledge and skills. It is especially appropriate for students with an interest in careers related to Hospitality, Tourism, and Culinary Arts. A project-based approach that utilizes higher order thinking,

communication, leadership, and management processes is recommended. Topics include basic culinary skills in the foodservice industry, safety and sanitation, nutrition, customer relations and career investigation. Students are able to explore this industry and examine their own career goals in light of their findings. Laboratory experiences that emphasize industry practices and develop basic skills are required components of this course.

- Recommended Grade: 9, 10
- Required Prerequisites: none
- Recommended Prerequisites: Nutrition and Wellness, Advanced Nutrition and Wellness
- Credits: 1-2 semester course, 1 credit per semester, 2 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

7171 Nutrition *(NUTR)*

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.

•Recommended Grade(s): 10, 11, 12
•Required Prerequisites: Principles of Culinary and Hospitality
•Recommended Prerequisites: none
•Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
•Counts as a directed elective or elective for all diplomas

CTE: INFORMATION TECHNOLOGY CAREER CLUSTER

7183 Principles of Computing (PRIN COMP INFO) Principles of Computing provides students the opportunity to explore how computers can be used in a wide variety of settings. The course will begin by exploring trends of computing and the necessary skills to implement information systems. Topics include operating systems, database technology, cybersecurity, cloud implementations and other concepts associated with applying the principles of good information management to the organization. Students will also have the opportunity to utilize basic programming skills to develop scripts designed to

solve problems. Students will learn about algorithms, logic development and flowcharting.
● Recommended Grade(s): 9, 10, 11
● Required Prerequisites: none
● Recommended Prerequisites: Introduction to Computer Science; Completed or Co-Enrolled in Algebra I
● Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
● Counts as a directed elective or elective for all diplomas
● Counts as a quantitative reasoning course
● Counts as a science credit

7179 Cybersecurity Fundamentals (*CYBSEC FUN*) This course introduces fundamental networking protocols and their hierarchical relationship in the context of conceptual Information Communication Technology (ICT) frameworks. Students will learn how networked hosts and applications communicate across networks. Emphasis is placed on security throughout the entire SDLC (Systems Development Life Cycle).
● Recommended Grade(s): 10, 11, 12
● Required Prerequisites: Principles of Computing
● Recommended Prerequisites: none
● Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
● Counts as a directed elective or elective for all diplomas
● Counts as a science credit

7178 Advanced Cybersecurity (*ADV CYBSEC*)
Students will acquire the fundamentals of information and data security and understand the vulnerability most organizations have in their security systems with an emphasis on firewalls, security plans and Virtual Private Networks (VPNs). Discussions will include data security methods, authentication, network attacks, malicious code and viruses, wireless security, e-mail and web security and disaster recovery. This course will also focus on the managerial aspects of information security and assurance. Topics covered include access

control models, information security governance, and information security program assessment and metrics. Coverage on the foundational and technical components of information security is included to reinforce key concepts, such as security planning and contingencies, security policies, security management models and practices and ethics.

● Recommended Grade(s): 10, 11, 12
● Required Prerequisites: Principles of Computing; Cybersecurity Fundamentals
● Recommended Prerequisites: none
● Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
● Counts as a directed elective or elective for all diplomas

7180 Information Technology Fundamentals (*INFO TECH FUN*)

Information Technology Fundamentals provides the necessary competencies required for an entry-level Information Technology professional. Students will have the knowledge required to assemble components based on customer requirements, install, configure and maintain devices/software for end users, understand the basics of networking and security, properly and safely diagnose, resolve and document common hardware and software issues while applying troubleshooting skills. Students will also learn appropriate customer support, understand the basics of virtualization, desktop imaging, and deployment. This course should also prepare students for the CompTia A+ Certification Exam.

● Recommended Grade(s): 10, 11, 12
● Required Prerequisites: Principles of Computing
● Recommended Prerequisites: none
● Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
● Counts as a directed elective or elective for all diplomas

7181 Networking and Cybersecurity Operations (*INFO TEC SUP SER*)

Advanced Information Technology will provide students with the fundamental concepts in networking and cybersecurity. Students are introduced to the principles and concepts of computer networking, covering the architecture, components, and operations of routers and

switches in a small network. Students learn how to configure a router and a switch for basic functionality. Students will be able to troubleshoot routers and switches and resolve common issues. The students will also explore the field of Cyber Security/Information Assurance focusing on the technical and managerial aspects of the discipline. Students will be introduced to the basic terminology, concepts, and best practices of computer/network security and the roles and responsibilities of management/security personnel. The students will learn the technologies used and techniques involved in creating a secure computer networking environment including authentication and the types of attacks against an organization.

- Recommended Grade(s): 10, 11, 12
- Required Prerequisites: Principles of Computing; Information Technology Fundamentals
- Recommended Prerequisites: none
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective for all diplomas
- Counts as a science credit

DIGITAL APPLICATIONS AND RESPONSIBILITY *4528 (DIG APPS RESP)*

Digital Applications and Responsibility prepares students to use technology in an effective and appropriate manner in school, in a job, or everyday life. Students develop skills related to word processing, spreadsheets, presentations, and communications software. Students learn what it means to be a good digital citizen and how to use technology, including social media, responsibly. Students expand their knowledge of how to use digital devices and software to build decision-making and problem-solving skills. Students should be provided with the opportunity to seek industry-recognized digital literacy certifications.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 to 2 semester course, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective for all diplomas

APPLIED DIGITAL APPLICATION AND RESPONSIBILITY *4528 (DIG APPS RESP)*

Applied Digital Applications and Responsibility prepares students to use technology in an effective and appropriate manner in school, in a job, or everyday life. Students develop skills related to word processing, spreadsheets, presentations, and communications software and may use highly specialized or individualized technology or software. Students learn what it means to be a good digital citizen and how to use technology, including social media, responsibly. Students expand their knowledge of how to use digital devices and software to

build decision-making and problem-solving skills. Students may be provided with the opportunity to seek industry-recognized digital literacy certifications.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- 4 units maximum
- Counts as an elective or Employability requirement for the Certificate of Completion

7182 Networking Fundamentals (NTWK FUN)

Networking Fundamentals describes, explores and demonstrates how a network operates in our everyday lives. The course covers the technical pieces and parts of a network and also societal implications such as security and data integrity. Using hands-on lab work, this course offers students the critical information needed for a role as an Information Technology professional who supports computer networks. Concepts covered include the TCP/IP model, OS administration, designing a network topology, configuring the TCP/IP protocols, managing network devices and clients, configuring routers and switches, wireless technology and troubleshooting. Provides students the ability to implement, administer, and troubleshoot information systems that incorporate the Microsoft Windows clients and servers in an enterprise environment. Students will be introduced to managing applications, files, folders, and devices in a windows active directory environment.

- Recommended Grade(s): 10, 11, 12
- Required Prerequisites: Principles of Computing; Information Technology Fundamentals
- Recommended Prerequisites: none
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective for all diplomas

CTE: PUBLIC SAFETY CAREER CLUSTER

CRIMINAL JUSTICE I *5822* (*CRIME I*)

Criminal Justice I Introduces specialized classroom and practical experiences related to public safety occupations such as law enforcement, loss prevention services, and homeland security. This course provides an introduction to the purposes, functions, and history of the three primary parts of the criminal justice system as well as an introduction to the investigative process. Oral and written communication skills should be reinforced through

activities that model public relations and crime prevention efforts as well as the preparation of police reports. This course provides the opportunity for dual credit for students who meet postsecondary requirements for earning dual credit and successfully complete the dual credit requirements of this course.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Interpersonal Relationships
- Credits: 2 semester course, 2 semesters required, 1-3 credits per semester, 6 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

CRIMINAL JUSTICE II *5824* (*CRIME II*)

Criminal Justice II introduces students to concepts and practices in traffic control as well as forensic investigation at crime scenes. Students will have opportunities to use mathematical skills in crash reconstruction and analysis activities requiring measurements and performance of speed/acceleration calculations. Additional activities simulating criminal investigations will be used to teach scientific knowledge related to anatomy, biology, and chemistry as well as collection of evidence, developing and questioning suspects, and protecting the integrity of physical evidence found at the scene and while in transit to a forensic science laboratory.

Procedures for the use and control of informants, inquiries keyed to basic leads, and other information-gathering activities and chain of custody procedures will also be reviewed. Current trends in criminal justice and law enforcement will also be covered.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Criminal Justice I
- Credits: 2 semester course, 2 semesters required, 1-3 credits per semester, 6 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

CTE: STEM CAREER CLUSTER

CTE: TRANSPORTATION CAREER CLUSTER

****North Newton does not currently offer any classes in the Transportation career cluster.

AUTOMOTIVE SERVICES TECHNOLOGY I *5510* (*AUTO TECH I*)

Automotive Services Technology I is a one year course that encompasses the sub topics of the NATEF/ ASE identified areas of Steering & Suspension and Braking Systems. This one year course offering may be structured in a series of two topics per year offered in any combination of instructional strategies of semester based or yearlong instruction. Additional areas of manual transmissions and differentials, automatic transmissions, air conditioning, and engine repair should be covered as time permits. This one year offering must meet the NATEF program certifications for the two primary areas offered in this course. This course provides the opportunity for dual credit for students who meet postsecondary requirements for earning dual credit and successfully complete the dual credit requirements of this course. Mathematical skills will be reinforced through precision measuring activities as well as cost estimation and calculation activities. Scientific principles taught and reinforced in this course include the study of viscosity, friction, thermal expansion, and compound solutions. Written and oral skills will also be emphasized to help students communicate with customers, colleagues, and supervisors.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Introduction to Transportation
- Credits: 2 semester course, 2 semesters required, 1-3 credits per semester, 6 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

AUTOMOTIVE SERVICES TECHNOLOGY II *5546 (AUTO TECH II)*

Automotive Services Technology II is a one year course that encompasses the sub topics of the NATEF/ASE identified areas of Electrical Systems and Engine Performance. This one year course offering may be structured in a series of two topics per year offered in any combination of instructional strategies of semester based or yearlong instruction. Additional areas of manual transmissions /differentials, automatic transmissions, air conditioning, and engine repair should be covered as time permits. This one- year offering must meet the NATEF program certifications for the two primary areas offered in this course. Mathematical skills will be reinforced through precision measuring activities and cost estimation/calculation activities.

Scientific principles taught and reinforced in this course include the study of viscosity, friction, thermal expansion, and compound solutions. Written and oral skills will also be emphasized to help students communicate with customers, colleagues, and supervisors.

- Recommended Grade: 12
- Required Prerequisites: Automotive Services Technology I
- Recommended Prerequisites: none
- Credits: 2 semester course, 2 semesters required, 1-3 credits per semester, 6 credits maximum
- Counts as a directed elective or elective for all diplomas

CTE: WORK-BASED LEARNING CAREER CLUSTER

5974 WORK-BASED LEARNING CAPSTONE *(WBL)*

Work-based Learning Capstone is a stand-alone course that prepares students for college and career. Work-Based Learning means sustained interactions with industry or community professionals in real workplace settings, to the extent practicable, or simulated environments at an educational institution that foster in-depth, first hand engagement with the tasks required of a given career field, that are aligned to curriculum and instruction. Work-based Learning Capstone experiences occur in workplaces and involve an employer assigning a student meaningful job tasks to develop his or her skills, knowledge, and readiness for work. A clear partnership agreement and training plan is developed by the student, teacher, and workplace mentor/supervisor to guide the student's work-based experiences and assist in evaluating achievement and performance. Related Instruction shall be organized and planned around the activities associated with the student's individual job and career objectives in a pathway and shall be taught during the same semester the student is participating in the work-based experience. For a student to become employable, the related instruction should cover: (a) employability skills, and (b) specific occupational competencies.

- Recommended Grade 12
- Required Prerequisites: Complete at least one advanced career and technical education course from a program or program of study. Worksite placement must align to the student pathway.
- Recommended Prerequisites: none
- Credits: 1 semester course, 1-3 credits per semester, 6 credits maximum
- A minimum of 85 hours of workplace and classroom activities are required for one credit; 170 hours are required for the two credits. Of the 85 or 170 hours, 18 to 36 hours (at least 1 hour a week or the equivalent over a semester or year) must be spent in related classroom instruction.
- Counts as a directed elective or elective for all diplomas
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APPLIED WORK-BASED LEARNING CAPSTONE *5974A (WBL)*

Applied Work-based Learning Capstone is an instructional strategy that can be implemented as a stand- alone course or a component of any CTE course that prepares students for college and career. This strategy builds individual students' skills and knowledge within the area of interest. A standards based training plan is developed by the student, teacher, and workplace mentor to guide the student's Work- based learning experiences and assist in evaluating progress and performance, whether WBL is a stand- alone course or a component of a discipline-specific CTE course.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- 6 units maximum
- Counts as an Employability Requirement, Capstone Course or elective for the Certificate of Completion.

Law and Public Safety

Principles of Criminal Justice 7193 (*PRIN CR JUST*)

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.

- Recommended Grade(s): 9, 10, 11
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective for all diplomas

*****This course is currently taught at Kankakee Valley High School. Students must have 4 periods available to enroll in this class at Kankakee Valley. Students are responsible for providing their own transportation to and from Kankakee Valley High School.**

Law Enforcement Fundamentals 7191 (*LAW ENF FUND)*

Law Enforcement Fundamentals Critically examines the history and nature of the major theoretical perspectives in criminology, and the theories found within those perspectives. Analyzes 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. Demonstrates 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.

- Recommended Grade(s): 10, 11, 12
- Required Prerequisites: Principles of Criminal Justice
- Recommended Prerequisites: none
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective for all diplomas

*****This course is currently taught at Kankakee Valley High School. Students must have 4 periods available to enroll in this class at Kankakee Valley. Students are responsible for providing their own transportation to and from Kankakee Valley High School.**

Corrections and Cultural Awareness 7188 (*CRT CORR)*

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; 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.

- Recommended Grade(s): 10, 11, 12
- Required Prerequisites: Principles of Criminal Justice; Law Enforcement Fundamentals
- Recommended Prerequisites: none
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective for all diplomas

*****This course is currently taught at Kankakee Valley High School. Students must have 4 periods available to enroll in this class at Kankakee Valley. Students are responsible for providing their own transportation to and from Kankakee Valley High School.**

Criminal Justice Capstone 7231 (*CRIM JUST CAP)*

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 317 Indiana Department of Education High School Course Titles and Descriptions: 2023-2024 shadowing, internship, etc. once the core content is completed. Note that there may be age restrictions on work-based learning components.

- Recommended Grade(s): 11, 12
- Required Prerequisites: Principles of Criminal Justice; Law Enforcement Fundamentals, Corrections and Cultural Awareness
- Recommended Prerequisites: none
- Credits: 2 semester course, 2 semester required, 1-3 credits per semester, 6 credits max
- Counts as a Directed Elective or Elective for all diplomas

*****This course is currently taught at Kankakee Valley High School. Students must have 4 periods available to enroll in this class at Kankakee Valley. Students are responsible for providing their own transportation to and from Kankakee Valley High School.**

ENGLISH/LANGUAGE ARTS COURSES

The State Board of Education requires eight credits in English/Language Arts (ELA) for graduation from Indiana high schools. All courses should be based on Indiana's Academic Standards for English/Language Arts or the Content Connectors for English/Language Arts. These courses must assist students in developing skills in all aspects of reading and language arts, especially the ability to think critically.

NOTE: Schools may decide locally whether students must take English 9-12. Indiana Administrative Code 6-7.1-5 requires 8 credits in ELA to be earned with a balance in literature, composition, and speech over four years.

The goal of the study of literature is to provide students with frequent and continual opportunities to: (1) learn and apply essential skills in reading and writing in order to read

proficiently; (2) read widely to build a better understanding of various types of texts, genres, and national and international cultures; (3) acquire new information to enable them to meet the needs of the workplace and society as a whole; and (4) make reading a lifelong pursuit. Literature courses must provide the skills necessary to respond to literature critically, reflectively, and imaginatively both in writing and speaking and to develop strategies for making independent critical analyses of literature. Literature courses include reading for pleasure and expose students to reading materials available in school media centers and public libraries.

The goal of composition is to provide students with frequent and continual opportunities to learn and apply essential writing skills, using a process that includes: (1) prewriting, (2) drafting, (3) revising, (4) editing, and (5) producing a final formal product. Strategies should include evaluating and responding to the writings of others. In addition to instruction in creating clear, coherent, and organized paragraphs and multi-paragraph essays for a variety of audiences and purposes, the courses teach strategies for collecting and transforming data for use in writing, as well as teach criteria to use in the evaluation and revision of various types of writing. Instruction in grammar, usage, and mechanics is integrated with writing instruction so that students develop a common language for editing and revising. All writing in its final publication form follows accepted conventions of language style, mechanics, and format.

English Pathway

All students will attempt:

- English 9
- English 10
- Beginning in 11th grade, students will select a balance of available speech, literature and composition courses to account for the remaining four English credits.

While all possible courses are listed in this catalog, only select titles based on student interest and teacher availability will be offered. Final decisions will be made throughout the summer as the Master Schedule is balanced and finalized. Preference will be given to seniors when a class reaches its maximum size.

0012 ENGLISH 9 *(ENG 9* 1002 *)*

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 level of complexity for this grade band. 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/persuasive compositions, and sustained research assignments. Students deliver grade-appropriate oral presentations with attention to audience and purpose and access, analyze, and evaluate online information.

- Recommended Grade: 9
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 2 semester course, 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

0014 ENGLISH 9 HONORS *(ENG 9 1002)*

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 level of complexity for this grade band. 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/persuasive compositions, and sustained research assignments. Students deliver grade-appropriate oral presentations with attention to audience and purpose and access, analyze, and evaluate online information.

- Recommended Grade: 9
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 2 semester course, 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

1002A APPLIED ENGLISH 9 (*ENG 9*)

Applied English 9 is an integrated English course based on the Indiana Content Connectors for English/Language Arts in Grades 9-10, is a study of language, literature, composition, and communication, focusing on literature and nonfiction within an appropriate level of complexity for each individual student. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to a variety of texts. Students form responses to literature, expository (informative), narrative, and argumentative/persuasive compositions, and research tasks when appropriate. Students deliver ability-appropriate presentations with attention to audience and purpose and access, analyze, and evaluate online information

- Recommended Grade: 9, 10

- Required Prerequisites: none
- Recommended Prerequisites: none
- Applied Units: 4 units maximum
- Counts as an English/Language Arts Requirement for the Certificate of Completion

0021 ENGLISH 10 *(ENG 10* 1004*)*

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 level of complexity for this grade band. 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/persuasive compositions, and sustained research assignments. Students deliver grade-appropriate oral presentations with attention to audience and purpose and access, analyze, and evaluate online information.

- Recommended Grade: 10, 11
- Required Prerequisites: none
- Recommended Prerequisites: English 9 or teacher recommendation
- Credits: 2 semester course, 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

0020 English 10 Honors *(ENG 10 1004)*

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 level of complexity for this grade band. 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/persuasive compositions, and sustained research assignments. Students deliver grade-appropriate oral presentations with attention to audience and purpose and access, analyze, and evaluate online information.

- Recommended Grade: 10, 11
- Required Prerequisites: none
- Recommended Prerequisites: English 9 or teacher recommendation
- Credits: 2 semester course, 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

1004A APPLIED ENGLISH 10 *(ENG 10)*

Applied English 10 is an integrated English course based on the Indiana Content Connectors for English/Language Arts in Grades 9-10, is a study of language, literature, composition, and communication, focusing on literature and nonfiction within an appropriate level of complexity for each individual student. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to a variety of texts. Students form responses to literature, expository (informative), narrative, and argumentative/persuasive compositions, and research tasks when appropriate. Students will deliver ability appropriate presentations with attention to audience and purpose and access, analyze, and evaluate online information.

- Recommended Grade: 9,10
- Required Prerequisites: none
- Recommended Prerequisites: none
- Applied Units: 4 units maximum
- Counts as an English/Language Arts Requirement for the Certificate of Completion

1006 ENGLISH 11 *(ENG 11)*

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 level of complexity for this grade band. 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, persuasive, expository, summary), 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.

- Recommended Grade: 11
- Required Prerequisites: none
- Recommended Prerequisites: English 9 and English 10 or teacher recommendation
- Credits: 2 semester course, 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

1006A APPLIED ENGLISH 11 *(ENG 11)*

Applied English 11, an integrated English course based on the Indiana Content Connectors English/Language Arts in Grades 9-10 and applicable employability skills. This course is a study of language, literature, composition, and communication focusing on literature with an appropriate level of complexity for each individual student. Students analyze, compare and evaluate a variety of classic and contemporary literature and nonfiction texts, compare and evaluate a variety of classic and contemporary literature and nonfiction texts, including those of historical or cultural significance. Students write narratives, responses to literature,

academic responses (e.g. analytical, persuasive, expository, summary), and research tasks when appropriate. Students analyze and create visual information in the form of pictures, graphs, charts and tables. Students write and deliver grade-appropriate multimedia presentations and access online information.

- Recommended Grade: 11,12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Applied Units: 4 units maximum
- Counts as an English/Language Arts Requirement for the Certificate of Completion

1008 ENGLISH 12 *(ENG 12)*

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 point of view or 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, persuasive, expository, summary), 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.

- Recommended Grade: 12
- Required Prerequisites: none
- Recommended Prerequisites: English 9, English 10, and English 11 or teacher recommendation
- Credits: 2 semester course, 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

1008A APPLIED ENGLISH 12 *(ENG 12)*

Applied English 12, an integrated English course based on the Indiana Content Connectors English/Language Arts in Grades 9-10 and applicable employability skills. This course is a study of language, literature, composition, and communication focusing on literature with an appropriate level of complexity for each individual student. Students analyze, compare and evaluate a variety of classic and contemporary literature and nonfiction texts, including those of historical or cultural significance. Students write narratives, responses to literature, academic responses (e.g. analytical, persuasive, expository, summary), and research tasks when appropriate. Students analyze and create visual information in the form of pictures, graphs, charts and tables. Students write and deliver grade-appropriate multimedia presentations and access online information.

- Recommended Grade: 11,12

- Required Prerequisites: none
- Recommended Prerequisites: none
- Applied Units: 4 units maximum
- Counts as an English/Language Arts Requirement for the Certificate of Completion

0056 English 104 (PNW Dual Credit)

PURDUE UNIVERSITY NORTHWEST

North Newton will have the opportunity to attain dual credit through Purdue University Northwest while completing courses at North Newton. Within a select set of classes, North Newton students will have the opportunity to receive college credit. Students must fulfill two of the following three requirements to enroll in a dual credit course through Purdue University Northwest:

1] Rank in the upper one third of their class
2] Cumulative grade point average of 3.0 or better or
3] combined SAT score of 1500 or a combined ACT score of 21.

The current fee for the courses is $25.00 per credit hour and is subject to change. The following courses will be offered for dual credit at North Newton:

- Calculus AB
- English Language and Composition
  United States History

*Counts as an English/Language Arts Requirement for the Core 40 diploma

0057 English 231 (PNW Dual Credit)

PURDUE UNIVERSITY NORTHWEST

North Newton will have the opportunity to attain dual credit through Purdue University Northwest while completing courses at North Newton. Within a select set of classes, North Newton students will have the opportunity to receive college credit. Students must fulfill two of the following three requirements to enroll in a dual credit course through Purdue University Northwest:

1] Rank in the upper one third of their class
2] Cumulative grade point average of 3.0 or better or
3] combined SAT score of 1500 or a combined ACT score of 21.

The current fee for the courses is $25.00 per credit hour and is subject to change. The following courses will be offered for dual credit at North Newton:

- Calculus AB
- English Language and Composition
  United States History

*Counts as an English/Language Arts Requirement for the Core 40 diploma

Composition Electives

1098 ADVANCED COMPOSITION *(ADV COMP)* - Advanced Composition B

Advanced Composition, a course based on the Indiana Academic Standards for English/Language Arts, is a study and application of the rhetorical writing strategies of exposition and persuasion. Students write expository critiques of nonfiction selections, literary criticism of fiction selections, persuasive compositions, and research reports in addition to other appropriate writing tasks. Course can be offered in conjunction with a literature course, or schools may embed Indiana Academic Standards for English/Language Arts reading standards within curriculum.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: English 9, English 10, Composition, or teacher recommendation
- Credits: 1 or 2 semester course, 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

1090 COMPOSITION *(COMP)* - Composition A and B

Composition, a course based on the Indiana Academic Standards for English/Language Arts, is a study and application of the rhetorical writing strategies of narration, description, exposition, and persuasion. Using the writing process, students demonstrate a command of vocabulary, English language conventions, research and organizational skills, an awareness of the audience, the purpose for writing, and style. Students read classic and contemporary literature or articles and use appropriate works as models for writing. Students write a variety of types of compositions with a focus on fictional narratives, reflective compositions, academic essays, and responses to literature. Course can be offered in conjunction with a literature course, or schools may embed Indiana Academic Standards for English/Language Arts reading standards within curriculum.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: English 9, English 10, or teacher recommendation
- Credits: 1 or 2 semester course, 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

1090A APPLIED COMPOSITION *(COMP)*

Applied Composition, a course based on the Indiana Academic Standards or Content Connectors for English/Language Arts, is a study and application of the rhetorical writing strategies of narration, description, exposition, and persuasion. Using the writing process, students demonstrate a command of vocabulary, English language conventions, research and organizational skills, an awareness of the audience, the purpose for writing, and style.

- Recommended Grade: 10, 11, 12
- Required Prerequisites: none

- Recommended Prerequisites: none
- Applied Units: 2 units maximum
- Counts as an English/Language Arts Requirement or Elective for the Certificate of Completion

1092 CREATIVE WRITING *(CREAT WRIT)*

Creative Writing, a course based on the Indiana Academic Standards for English/Language Arts, is a study and application of the rhetorical writing strategies for prose and poetry. Using the writing process, students demonstrate a command of vocabulary, the nuances of language and vocabulary, English language conventions, an awareness of the audience, the purposes for writing, and the style of their own writing. Course can be offered in conjunction with a literature course, or schools may embed Indiana Academic Standards for English/Language Arts reading standards within curriculum.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: English 9, English 10, or teacher recommendation
- Credits: 1 semester course, 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

Literature Electives

0070 AMERICAN LITERATURE *(AMER LIT* 1020*)*

American Literature, a course based on the Indiana Academic Standards for English/Language Arts, is a study of representative works and authors of the United States. Students read, analyze, evaluate, critique, and actively respond to a wide variety of literary genres that reflect American culture, including quality works of various ethnic and cultural minorities. Students compare readings and media from literature, history, and other subjects by demonstrating how the ideas and concepts presented in the works are interconnected, distinctly American, and important to an understanding of the development of the current culture. This course can be offered in conjunction with a composition course, or schools may embed Indiana Academic Standards for English/Language Arts writing standards within American Literature curriculum.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: English 9, English 10, or teacher recommendation
- Credits: 1 to 2 semester course, 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

1022 BIBLICAL LITERATURE *(BIBLE LIT)*

Biblical Literature, a course based on the Indiana Academic Standards for English/Language Arts, is a study of the Bible, viewed from a literary standpoint, as a source of a wide variety of

literary patterns, themes, and conventions. Students examine the different books in relation to the various historical time frames of the books and in relation to related literature as it pertains to Biblical themes. Students read, discuss, and write about Biblical references (allusions) in both classical and modern literature, formation of a canonical Bible, inclusion of apocryphal and heretical writings, oral versus literate transmission of sacred history and doctrine, and questions and problems of interpretation. Course can be offered in conjunction with a composition course, or schools may embed Indiana Academic Standards for English/Language Arts writing standards within curriculum.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: English 9, English 10, or teacher recommendation
- Credits: 1 to 2 semester course, 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

1046 SHORT STORIES *(SHORT STRS)*

Short Stories, a course based on the Indiana Academic Standards for English/Language Arts, is a study of the distinct features of the short story. The course may be organized by historical periods, themes, or authors. Students examine short stories with modernist and contemporary themes by a variety of authors from the perspective of audience, purpose, and historical development. Students analyze what distinguishes the short story genre from other literary genres, such as the novels, epics, romances, biographies, etc. This course can be offered in conjunction with a composition course, or schools may embed Indiana Academic Standards for English/Language Arts writing standards within curriculum.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: English 9, English 10, or teacher recommendation
- Credits: 1 semester course, 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

0078 THEMES IN LITERATURE *(THEMES LIT* 1048*)*

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. This course can be offered in conjunction with a composition course, or schools may embed Indiana Academic Standards for English/Language Arts writing standards within curriculum.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: English 9, English 10, or teacher recommendation
- Credits: 1 or 2 semester course, 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

1050 TWENTIETH-CENTURY LITERATURE *(20TH-C LIT)*

Twentieth Century Literature, a course based on the Indiana Academic Standards for English/Language Arts, is a study of twentieth-century literature in the United States, the British Isles, and Europe with a focus on major works and writers in the Modern Period, the Harlem Renaissance, Early Contemporary Literature and Contemporary Literature from a chronological or thematic perspective. Students examine a variety of genres including novels, short stories, poetry, drama, science fiction, and others. Students analyze how the writers and their works either reflected or influenced the issues of the time. Course can be offered in conjunction with a composition course, or schools may embed Indiana Academic Standards for English/Language Arts writing standards within curriculum.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: English 9, English 10, or teacher recommendation
- Credits: 1 or 2 semester course, 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

Speech Electives

1078 ADVANCED SPEECH AND COMMUNICATION *(ADV 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.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Speech or teacher recommendation
- Credits: 1 semester course, 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

0039 SPEECH (*SPEECH* 1076*)*

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.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: None
- Credits: 1 semester course, 1 credit per semester
- Fulfills an English/Language Arts requirement for all diplomas

1076A APPLIED SPEECH *(SPEECH)*

Applied 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/or multimedia presentations, including student portfolios, viewpoint, instructional, demonstration, informative, persuasive, and impromptu. Student products are aligned to their mode of communication.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Applied Units: 2 units maximum
- Counts as an English/Language Arts or Employability Requirement for the Certificate of Completion

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FINE ARTS COURSES

In order to provide a quality education for every child in Indiana, it is important to provide for all aspects of human growth. The artistic, expressive, and cultural aspects of each child's intellectual, emotional, physical, and social development are vital components of this growth. Research involving the impact of arts education upon mental functions supports the convictions of many educators, parents, and business leaders that the fine arts are essential due to their ability to provide students with the means to think, feel, and understand the world around them in unique ways. The arts provide students with invaluable growth in Insight, one of Indiana's *7 Social-Emotional Learning Competencies*. Literacy in the arts

strengthens a person's participation in society by enhancing Connection, Critical Thinking, Collaboration and Mindset. These four Social-Emotional Learning Competencies seamlessly blend into the arts through creative problem solving and communication skills, critical thinking and critiques, as well as fostered self-expression, aesthetic awareness, and multiple points of view. For these reasons, a curriculum in each of the fine arts should be available to all students so that they may become engrossed in a well-rounded educational experience that provides culturally relevant arts education, supports creative expression and growth, and develops Social-Emotional learning through a direct connection to the arts.

The purpose of each fine arts curriculum is to promote lifelong participation in the arts by developing skilled creators, performers, critics, listeners, and observers of the arts. Students can use the arts as a means of: (1) self- expression and communication, (2) development of critical thinking skills, (3) self-knowledge and understanding of the world around them, and, (4) increasing awareness of the artistic heritage of other cultures, as well as their own.

Students who are proficient in the fine arts grow in their ability to think and learn independently. Their view of the world expands as creative avenues to expression and understanding are developed. Ultimately, the entire community benefits through the creativity, vision, and empathy fostered in the fine arts.

In order for this to happen, students must be immersed in opportunities to learn about the arts, perform and create in one or more of the art forms, and learn to analyze and critique the arts. The goals for students in grades kindergarten through grade twelve (K-12) are to enable each student to do the following:

- Develop one's artistic skills
- Become confident in one's abilities in the arts
- Become a creative problem solver
- Utilize critical thinking skills
- Appreciate the value of the arts
- Communicate through the arts
- Communicate about the arts
- Exhibit knowledge of the historical and cultural diversity of the arts
- exhibit knowledge of criticism and aesthetics in the arts
- Utilize and accept constructive feedback
- Understand the importance of the arts through a societal context

Music Course Titles

0561 Beginning Concert Band (L) *(BEG BAND* 4160*)*

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. 73 Indiana Department of Education High School Course Titles and Descriptions: 2023-2024

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 semester course, 1 credit per semester. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory course

0559 Intermediate Concert Band (L) *(INT BAND* 4168 *)*

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.

- Recommended Grade: 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Beginning Concert Band
- Credits: 1 semester course, 1 credit per semester. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory course

0563 Advanced Concert Band (L) *(ADV BAND* 4170*)*

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.

- Recommended Grade: 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Beginning and Intermediate Concert Band
- Credits: 1 semester course, 1 credit per semester. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory course

0574 Beginning Chorus (L) *(BEG CHOR* 4182*)*

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.

- Recommended Grade: 9,10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 semester course, 1 credit per semester. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory course

0582 Intermediate Chorus (L) *(INT CHOR* 4186*)*

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.
● Recommended Grade: 10, 11, 12
● Required Prerequisites: none
● Recommended Prerequisites: Beginning Chorus
● Credits: 1 semester course, 1 credit per semester. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.
● Counts as a directed elective or elective for all diplomas
● Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
● Laboratory course

0584 Advanced Chorus (L) ***(ADV CHOR* 4188 *)***
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.
● Recommended Grade: 10, 11, 12
● Required Prerequisites: none
● Recommended Prerequisites: Beginning and Intermediate Chorus
● Credits: 1 semester course, 1 credit per semester. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.
● Counts as a directed elective or elective for all diplomas
● Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
● Laboratory course

Visual Arts Course Titles

0505 Introduction to Two-Dimensional Art (L) *(2D ART* 4000*)*

Introduction to Two-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 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.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 semester course, 1 credit per semester
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory course

0510 Advanced Two Dimensional Art (L) *(ADV 2D ART* 4004*)*

Advanced Two-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 Two-Dimensional Art that encompass art history, art criticism, aesthetics, and production 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.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Introduction to Two-Dimensional Art (L)
- Credits: 1 semester course, 1 credit per semester. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.

● Counts as a directed elective or elective for all diplomas
● Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
● Laboratory Course

0507 Introduction to Three Dimensional Art (L) ***(3D ART* 4002 *)***

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 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.

● Recommended Grade: 9, 10, 11, 12
● Required Prerequisites: none
● Recommended Prerequisites: Introduction to Two-Dimensional Art (L)
● Credits: 1 semester course, 1 credit per semester
● Counts as a directed elective or elective for all diplomas
● Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
● Laboratory course

4006 Advanced Three Dimensional Art (L) ***(ADV 3D ART* 4006 *)***

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 encompass art history, art criticism, aesthetics, and production 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 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.

● Recommended Grade: 9, 10, 11, 12

● Required Prerequisites: none
● Recommended Prerequisites: Introduction to Two-Dimensional Art (L), Introduction to Three- Dimensional Art (L)
● Credits: 1 semester course, 1 credit per semester. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized
● Counts as a directed elective or elective for all diplomas
● Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
● Laboratory Course

0523 Ceramics (L) ***(CERAMICS*****4040** ***)***

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. 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.
● Recommended Grade: 10, 11, 12
● Required Prerequisites: none
● Recommended Prerequisites: Introduction to Two-Dimensional Art (L), Introduction to Three- Dimensional Art (L)
● Credits: 1 semester course, 1 credit per semester. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.
● Counts as a directed elective or elective for all diplomas
● Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
● Laboratory Course

0521 Drawing (L) ***(DRAWING*** **4060*)***

Drawing is a course based on the Indiana Academic Standards for Visual Art. Students in drawing 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 drawings utilizing processes such as sketching, rendering, contour, gesture, and perspective drawing and use a variety of media such as pencil, chalk, pastels, charcoal, and

pen and ink. 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.

- Recommended Grade: 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Introduction to Two-Dimensional Art (L)
- Credits: 1 semester course, 1 credit per semester. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory Course

0525 Painting (L) *(PAINTING* 4064 *)*

Painting is a course based on the Indiana Academic Standards for Visual Art. 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.

- Recommended Grade: 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Introduction to Two-Dimensional Art (L)
- Credits: 1 semester course, 1 credit per semester. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory course

4062 Photography (L) *(PHOTOGRPH)*

Photography is a course based on the Indiana Academic Standards for Visual Art. Students in photography engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works, creating photographs, films, and videos utilizing a variety of digital tools and darkroom processes. 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.

- Recommended Grade: 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Introduction to Two-Dimensional Art (L)
- Credits: 1 semester course, 1 credit per semester. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.
- Counts as a directed elective or elective for all diplomas
- Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma
- Laboratory course

MATHEMATIC COURSES

0146 Algebra I *(ALG I* 2520*)*

Algebra I formalizes and extends the mathematics students learned in the middle grades. Algebra I is made up of six strands: Real Numbers and Expressions; Functions; Linear Equations, Inequalities, and Functions; Systems of Equations and Inequalities; Quadratic and Exponential Equations and Functions; and Data Analysis and 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.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- 2 semester course, 1 credit per semester
- Fulfills a Mathematics course requirement for all diplomas
- Fulfills the Algebra I/Integrated Mathematics I requirement for all diplomas
- Students pursuing Core 40, Core 40 with Academics Honors, or Core 40 with Technical Honors diploma should receive credit for Algebra I by the end of Grade 9

2520 Applied Algebra I *(ALG I)*

Applied Algebra I formalizes and extends the mathematics students learned in the middle grades. Algebra I is made up of five strands: Numbers Sense; Expressions and Computation; Linear Equations; Inequalities and Functions; Systems of Equations and Inequalities and Quadratic and Exponential Equations and Functions. The strands are further developed by focusing on the content of the Algebra content connectors.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- 4 units maximum
- Fulfills a Math requirement for the Certificate of Completion

0180 Algebra II *(ALG II* 2522*)*

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. Algebra II is made up of seven strands: Complex Numbers and Expressions; Functions; Systems of Equations; Quadratic Equations and Functions; Exponential & Logarithmic Equations and Functions; Polynomial, Rational, and Other Equations and Functions; and Data Analysis, Statistics, and Probability. 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.

● Recommended Grade: 9, 10, 11, 12
● Required Prerequisites: none
● Recommended Prerequisites: Algebra I
● 2 semester course, 1 credit per semester
● Fulfills a Mathematics course requirement for all diplomas
● Fulfills the Algebra II/Integrated Mathematics III requirement for all diplomas

0191 Algebra II Honors *(ALG II* 2522*)*

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. Algebra II is made up of seven strands: Complex Numbers and Expressions; Functions; Systems of Equations; Quadratic Equations and Functions; Exponential & Logarithmic Equations and Functions; Polynomial, Rational, and Other Equations and Functions; and Data Analysis, Statistics, and Probability. 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.

● Recommended Grade: 9, 10, 11, 12
● Required Prerequisites: none
● Recommended Prerequisites: Algebra I
● 2 semester course, 1 credit per semester
● Fulfills a Mathematics course requirement for all diplomas
● Fulfills the Algebra II/Integrated Mathematics III requirement for all diplomas

2524 Analytical Algebra II *(ANA ALG)*

Analytical Algebra II builds on previous work with linear, quadratic and exponential functions and extends to include polynomial, rational, radical, logarithmic, and other functions. Data analysis,statistics, and probability content should be included throughout the course, as students collect and use univariate and bivariate data to create and interpret mathematical models. Additionally, Analytical Algebra II should focus on the application of mathematics in various disciplines including business, finance, science, CTE, and social sciences using technology to model real-world problems with various functions, using and translating between multiple representations. 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. This course is not recommended for students interested in pursuing a STEM degree at a four-year institution; this course does not prepare students for Precalculus: Algebra / Precalculus Trigonometry.
● Recommended Grade: 9, 10, 11, 12
● Required Prerequisites: none
● Recommended Prerequisites: Algebra I
● 2 semester course, 1 credit per semester
● Fulfills the Algebra II/Integrated Mathematics III requirement for all diplomas
● If students use this course to fulfill this credit, the parent and student must sign a consent form notifying the parent and the student that enrollment in Analytical Algebra II may affect the student's ability to attend a particular post-secondary educational institution or enroll in a particular course at a particular post-secondary educational institution because Analytical Algebra II may not align with academic requirements established by the post- secondary educational institution

0150 Geometry *(GEOM* 2532 *)*

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. Seven critical areas comprise the Geometry course: Logic and Proofs; Points, Lines, Angles, and Planes; Triangles; Quadrilaterals and Other Polygons; Circles; Transformations; and Three-dimensional Solids. 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.
● Recommended Grade: 9, 10, 11, 12
● Required Prerequisites: none
● Recommended Prerequisites: Algebra I
● 2 semester course, 1 credit per semester
● Fulfills a Mathematics course requirement for all diplomas
● Fulfills the Geometry/Integrated Mathematics II requirement for the Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diploma

0152 Geometry Honors *(GEOM* 2532 *)*

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. Seven critical areas comprise the Geometry course: Logic and Proofs; Points, Lines, Angles, and Planes; Triangles; Quadrilaterals and Other Polygons; Circles; Transformations; and Three-dimensional Solids. 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.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Algebra I
- 2 semester course, 1 credit per semester
- Fulfills a Mathematics course requirement for all diplomas
- Fulfills the Geometry/Integrated Mathematics II requirement for the Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diploma

2532 Applied Geometry *(GEOM)*

Applied Geometry formalizes and extends students 'geometric experiences from the middle grades. These critical areas comprise the Geometry course: Points, Lines, Angles, and Planes; Triangles; Quadrilaterals and Other Polygons; Circles; Transformations; and Three-dimensional Solids. 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.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- 4 units maximum
- Fulfills a Mathematics course requirement for the Certificate of Completion

2564 Pre-Calculus: Algebra *(PRECAL AL)*

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.
● Recommended Grade: 9, 10, 11, 12
● Required Prerequisites: none
● Recommended Prerequisites: Algebra II and Geometry or Integrated Mathematics III
● 1 semester course, 1 credit per semester
● Fulfills a Mathematics course requirement for all diplomas

2550 Quantitative Reasoning *(QUANT REAS)*

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.
● Recommended Grade: 9, 10, 11, 12
● Required Prerequisites: none
● Recommended Prerequisites: Algebra II or Integrated Mathematics III or Analytical Algebra II
● 1 or 2 semester course, 1 credit per semester. Due to the level of rigor, it is recommended that this course be offered as a 2 semester, 2 credit course.
● Fulfills a Mathematics course requirement for all diplomas

2566 Pre-Calculus: Trigonometry *(PRECAL TRIG)*

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.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Algebra II and Geometry or Integrated Mathematics III
- 1 semester course, 1 credit per semester
- Fulfills a Mathematics course requirement for all diplomas

0162 Calculus *(CALC* 2527 *)*

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.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Pre-Calculus: Algebra and Pre-Calculus: Trigonometry
- 2 semester course, 1 credit per semester
- Fulfills a Mathematics course requirement for all diplomas

*This course may also be offered as a Dual Credit course with Purdue Northwest.
North Newton will have the opportunity to attain dual credit through Purdue University Northwest while completing courses at North Newton. Within a select set of classes, North Newton students will have the opportunity to receive college credit. Students must fulfill two of the following three requirements to enroll in a dual credit course through Purdue University Northwest:

1] Rank in the upper one third of their class
2] Cumulative grade point average of 3.0 or better or
3] combined SAT score of 1500 or a combined ACT score of 21.

The current fee for the courses is $25.00 per credit hour and is subject to change. The following courses will be offered for dual credit at North Newton:

- Calculus AB
- English Language and Composition
  United States History

2560 Mathematics Lab *(MATH LAB)*

Mathematics Lab provides students with individualized instruction designed to support success in completing mathematics coursework aligned with Indiana's Academic Standards for Mathematics. Mathematics Lab is to be taken in conjunction with a Core 40 mathematics course, and the content of Mathematics Lab should be tightly aligned to the content of its corresponding course. Mathematics Lab should not be offered in conjunction with Algebra I or Integrated Mathematics I; instead, schools should offer Algebra I Lab or Integrated Mathematics I Lab to provide students with rigorous support for these courses.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- 1 semester course, 1 credit per semester, 8 credits maximum
- Fulfills an elective course requirement for all diplomas
- Clarifying information can be appended to the end of the course title to denote the content covered in each course. Example: Mathematics Lab used to support students in Algebra II can be recorded on the transcript as Mathematics Lab – Algebra II.

PHYSICAL EDUCATION COURSES

Physical Education I, Physical Education II, and Elective Physical Education are based on Indiana's Academic Standards for Physical Education. These courses identify what a student should know and be able to do as a result of a quality physical education program. Physical literacy is defined by SHAPE America as "the ability to move with competence and confidence in a wide variety of physical activities in multiple environments that benefit the healthy development of the whole person". The goal of a physically educated student and physically literate student is to maintain appropriate levels of cardiorespiratory endurance, muscular strength and endurance, flexibility, and body composition, knowledge skills and confidence necessary for a lifetime of healthful physical activity. Through a variety of instructional strategies, students practice skills that demonstrate physical literacy. This includes demonstrating competency in a variety of motor skills and movement patterns; applying

knowledge of concepts, principles, strategies and tactics related to movement and performance; demonstrating the knowledge and skills to achieve and maintain a health-enhancing level of physical activity and fitness; exhibiting responsible personal and social behavior that respects self and others; and recognizing the value of physical activity for health, enjoyment, challenge, self-expression and/or social interaction. Physical Education courses are designated as laboratory courses and, as such, 25% of course time must be spent in activity.

Adapted physical education must be offered, as needed, in the least-restrictive environment and must be based upon an individual assessment.

Schools have the option to develop a policy by following the guidelines outlined in IDOE's 2013 memorandum "Flexibility in Physical Education Credit."

0415 Elective Physical Education (L) *(ELECT PE* 3560*)*

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. 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, etc.). See 511 IAC 7-27-9, 7-27-11.

- Recommended Grade: 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Physical Education I and II
- Credits: 1 credit per semester, maximum of 8 credits
- Counts as an elective requirement for all diplomas
- The nature of this course allows for successive semesters of instruction provided defined proficiencies and content standards are utilized.

3560A ADVANCED PHYSICAL EDUCATION (L) *(ADV PE)*

Advanced Physical Education is a course that has the same guidelines as the Elective Physical Education course. The intended difference is the focus on the individual and the tailored activities that strive to improve each person individually. The exercises and activities help each person improve his/her individual physical health and performance. This course is intended for individuals who wish to improve physical health for sports or personal goals.

- Recommended Grade: 10, 11, 12
- Recommended Prerequisites: Physical Education I and II
- Credits: 1 credit per semester, maximum of 8 credits
- Counts as an Elective requirement for all diplomas
- The nature of this course allows for successive semesters of instruction provided defined proficiencies and content standards are utilized
- Classes are co-educational unless the activity involves bodily contact or groupings based on an objective standard of individual performance developed and applied without regard to gender

0409 Physical Education I (L) *(PHYS ED II* 3542 *)*

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, etc.). See 511 IAC 7-27-9, 7-27-11.

● Recommended Grade: 9, 10, 11, 12
● Required Prerequisites: Grade 8 Physical Education
● Recommended Prerequisites: none
● Credits: 1 semester course, 1 credit per semester, 1 credit maximum
● Fulfills part of the Physical Education requirement for all diplomas
● Classes are co-educational unless the activity involves bodily contact or groupings based on an objective standard of individual performance developed and applied without regard to gender.
● Adapted physical education must be offered, as needed, in the least restricted environment and must be based upon an individual assessment.
● As a designated laboratory course, 25% of course time must be spent in activity.

3542 Applied Physical Education I (L)

138 Indiana Department of Education High School Course Titles and Descriptions: 2023-2024
(PHYS ED II) Applied 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 which are within the framework of lifetime physical activities and fitness. Ongoing assessment includes individual progress and performance-based skill evaluation.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Applied Units: 2 units maximum
- Counts as a Physical Education requirement for the Certificate of Completion

0410 Physical Education II (L) *(PHYS ED II* 3544 *)*

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, etc.). See 511 IAC 7-27-9, 7-27-11.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: Physical Education I
- Recommended Prerequisites: none
- Credits: 1 semester course, 1 credit per semester, 1 credit maximum
- Fulfills part of the Physical Education requirement for all diplomas
- Classes are co-educational unless the activity involves bodily contact or groupings based on an objective standard of individual performance developed and applied without regard to gender.
- Adapted physical education must be offered, as needed, in the least-restricted environment and must be based upon an individual assessment.
- As a designated laboratory course, 25% of course time must be spent in activity.

3544 Applied Physical Education II (L) *(PHYS ED II)*

Applied 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 covered in Physical Education I: team sports; dual sport activities; individual physical activities; outdoor pursuits; self-defense and martial arts; aquatics; gymnastics; and dance, all which are within the framework of lifetime physical activities and fitness. Ongoing assessment includes individual progress and performance-based skill evaluation.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none 139 Indiana Department of Education High School Course Titles and Descriptions: 2023-2024
- Recommended Prerequisites: none
- Applied Units: 2 units maximum
- Counts as a Physical Education requirement for the Certificate of Completion

3506 Health and Wellness Education *(HLTH & WELL)*

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.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: 8th grade health education
- Credits: 1 semester course, 1 credit per semester, 1 credit maximum
- Fulfills the Health and Wellness requirement for all diploma types

3506 Applied Health and Wellness Education (*HLTH & WELL*)

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 health 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.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Applied Units: 2 units maximum
- Counts as an elective or Health & Wellness requirement for the Certificate of Completion

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SCIENCE COURSES

In April 2019 Pursuant to HEA 1426, the State Board adopted revised rules regarding science requirements for the Core 40 curriculum model. In order to earn a Core 40 diploma designation, students are still required to have (1) two credits of Biology I, (2) two credits of Chemistry I or Physics I or Integrated Chemistry-Physics, and (3) two credits of any other Core 40 science course. Acting on
recommendations from a committee of content area experts representing both secondary and
postsecondary institutions, the Indiana State Board of Education approved expanding the list of courses that students may take to satisfy the science requirement. In addition to the approved courses listed in this section, courses listed on the "Core 40 Science Requirement Recommendations" can be used to satisfy the third science requirement.

5276 ANATOMY AND PHYSIOLOGY *(A & P)*

Anatomy & Physiology is a course in which students investigate concepts related to Health Science, with emphasis on interdependence of systems and contributions of each system to the maintenance of a healthy body. It introduces students to the cell, which is the basic structural and functional unit of all organisms, and covers tissues, integumentary, skeletal, muscular and nervous systems as an integrated unit. Through instruction, including laboratory activities, students apply concepts associated with Human Anatomy & Physiology. Students will understand the structure, organization and function of the various components of the healthy body in order to apply this knowledge in all health related fields.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Biology
- Credits: 1 to 2 semester course, 1 credit per semester, 2 credits maximum
- Counts as a Directed Elective or Elective for all diplomas
- Fulfills a science course requirement for all diplomas

3020 AP BIOLOGY (L) (*BIO AP*)

AP Biology is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. The major themes of the course include: The process of evolution drives the diversity and unity of life, Biological systems utilize free energy and molecular building blocks to grow, to reproduce and to maintain dynamic homeostasis, Living systems store, retrieve, transmit and respond to information essential to life processes, Biological systems interact, and these systems and their interactions possess complex properties.

- Recommended Grade: 11,12
- Recommended Prerequisites: Biology I and Chemistry I
- Credits: 2 semester course, 1 credit per semester
- Counts as a Science Course for all diplomas
- Qualifies as a quantitative reasoning course

0227 BIOLOGY I (L) *(BIO I* 3024 *)*

Biology I is a course based on the following core topics: cellular structure and function, matter cycles and energy transfer; interdependence; inheritance and variation in traits; evolution. Instruction should focus on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation by designing and conducting investigations guided by theory and by evaluating and communicating the results of those investigations according to accepted procedures.

- Recommended Grade: 10

- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 2 semester course, 1 credit per semester
- Fulfills the Biology requirement for all diplomas

3026 Biology II (L) *(BIO II)*

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.

- •Recommended Grade: 10, 11
- •Required Prerequisites: none
- •Recommended Prerequisites: Biology I High School Course Titles and Descriptions 2022-2023 162
- •Credits: 2 semester course, 1 credit per semester
- •Counts as an Elective for all diplomas
- •Fulfills a science course requirement for all diplomas

5008 ANIMAL SCIENCE *(ANML SCI)*

Animal Science is a two-semester program that provides students with an overview of the animal agriculture industry. Students participate in a large variety of activities and laboratory work including real and simulated animal science experiences and projects. All areas that the students study can 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.

- Recommended Grade: 10, 11
- Required Prerequisites: Principles of Agriculture
- Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a Directed Elective or Elective for all diplomas
- Fulfills a science course requirement for all diplomas
- Fulfills a physical science requirement for General Diploma

3024A APPLIED BIOLOGY I *(BIO I)*

Applied Biology I is a course based on the following core topics: cellular chemistry, structure and reproduction; matter cycles and energy transfer; interdependence of organisms; molecular basis of heredity; genetics and evolution. Instruction should focus on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation, by designing and conducting investigations guided by theory and by evaluating and communicating the results of those investigations according to accepted procedures.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Applied Units: 4 units maximum
- Fulfills as a Science Requirement for the Certificate of Completion

0217 CHEMISTRY I (L) *(CHEM I* 3064 *)*

Chemistry I is a course based on the following core topics: properties and states of matter; atomic structure and the Periodic Table; bonding and molecular structure; reactions and stoichiometry; behavior of gases; thermochemistry; solutions; acids and bases. Students enrolled in Chemistry I compare, contrast, and synthesize useful models of the structure and properties of matter and the mechanisms of its interactions. Instruction should focus on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation, by designing and conducting investigations guided by theory and by evaluating and communicating the results of those investigations according to accepted procedures.

- Recommended Grade: 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisite: Algebra II (can be taken concurrently)
- Credits: 2 semester course, 1 credit per semester
- Counts as an Elective for all diplomas
- Fulfills a science (physical) course requirement for all diplomas
- Qualifies as a quantitative reasoning course

4801 COMPUTER SCIENCE I *(COM SCI I)*

Computer Science I introduces the structured techniques necessary for efficient solution of business-related computer programming logic problems and coding solutions into a high-level language. The fundamental concepts of programming are provided through explanations and effects of commands and hands-on utilization of lab equipment to produce accurate outputs. Topics include program flowcharting, pseudo coding, and hierarchy charts as a means of solving problems. The course covers creating file layouts, print charts, program narratives, user documentation, and system flowcharts for business problems; algorithm development and review, flowcharting, input/output techniques, looping, modules,

selection structures, file handling, control breaks, and offers students an opportunity to apply skills in a laboratory environment.

- Recommended Grade: 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Introduction to Computer Science
- Credits: 2 semester course, 2 semesters required, 1-3 credits per semester, 6 credits maximum
- Counts as a Directed Elective or Elective for all diplomas
- Fulfills a science course requirement for all diplomas
- Qualifies as a quantitative reasoning course

0237 EARTH AND SPACE SCIENCE I (L) *(EAS SCI I* 3044 *)*

Earth and Space Science I is a course focused on the following core topics: universe; solar system; Earth cycles and systems; atmosphere and hydrosphere; solid Earth; Earth processes. Students analyze and describe earth's interconnected systems and examine how earth's materials, landforms, and continents are modified across geological time. Instruction should focus on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation, by designing and conducting investigations guided by theory and by evaluating and communicating the results of those investigations according to accepted procedures.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 2 semester course, 1 credit per semester
- Counts as an Elective for all diplomas
- Fulfills a science course requirement for all diplomas

3044A APPLIED EARTH SPACE SCIENCE I *(EAS CSI I)*

Applied Earth and Space Science I is a course focused on the following core topics: study of the earth's layers; atmosphere and hydrosphere; structure and scale of the universe; the solar system and earth processes. Students analyze and describe earth's interconnected systems and examine how earth's materials, landforms, and continents are modified across geological time. Instruction should focus on developing student understanding that scientific knowledge is gained from observation and experimentation, by conducting investigations and evaluating and communicating the results of those investigations. This course may include a variety of learning experiences and tools to support the process of investigation, data collection and analysis.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none

- Applied Units: 4 units maximum
- Counts as an Elective or Science Requirement for the Certificate of Completion

0264 ENVIRONMENTAL SCIENCE (L) *(ENVSCI 3010)*

Environmental Science is an interdisciplinary course that integrates biology, earth science, chemistry, and other disciplines. Students enrolled in this course conduct in-depth scientific studies of environmental systems, flow of matter and energy, natural disasters, environmental policies, biodiversity, population, pollution, and natural and anthropogenic resource cycles. Students formulate, design, and carry out laboratory and field investigations as an essential course component. Students completing Environmental Science, acquire the essential tools for understanding the complexities of national and global environmental systems.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: Two credits science coursework
- Credits: 2 semester course, 1 credit per semester
- Counts as an Elective for all diplomas
- Fulfills a science (life) course requirement for all diplomas

0215 INTEGRATED CHEMISTRY-PHYSICS (L)*(ICP 3108)*

Integrated Chemistry-Physics is a course focused on the following core topics: constant velocity; uniform acceleration, Newton's Laws of motion (one dimension); energy; particle theory of matter; describing substances; representing chemical change; electricity and magnetism; waves; nuclear energy. Instruction should focus on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation by designing and conducting investigations guided by theory and by evaluating and communicating the results of those investigations according to accepted procedures

- Recommended Grade: 9
- Required Prerequisites: none
- Recommended Prerequisite: Algebra I (may be taken concurrently with this course)
- Credits: 2 Semester course, 1 credit per semester
- Counts as an Elective for all diplomas
- Fulfills a science (physical) course requirement for all diplomas
- Qualifies as a Quantitative Reasoning course

5180 NATURAL RESOURCES *(NAT RSS)*

Natural Resources is a two semester course that provides students with a background in

environmental science and conservation. Course work includes hands-on learning activities that encourage students to investigate areas of environmental concern. Students are introduced to the following areas of natural resources: soils, the water cycle, air quality, outdoor recreation, forestry, minerals, interrelationships between humans and natural systems, wetlands, wildlife, safety, careers, leadership, and supervised agricultural experience programs.

- Recommended Grade: 10, 11
- Required Prerequisites: none
- Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Fulfills a science course requirement for all diplomas
- Counts as a Directed Elective or Elective for all diplomas

0221 Physics I (L) *(PHYS I 3084)*

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.

- Recommended Grade: 9, 10, 11
- Required Prerequisites: none
- Recommended Prerequisites: Algebra I or Algebra II
- Credits: 2 semester course, 1 credit per semester
- Counts as an elective for all diplomas
- Fulfills a science (physical) course requirement for all diplomas
- Qualifies as a Quantitative Reasoning course

5170 PLANT AND SOIL SCIENCES *(PLT SL SCI)*

Plant and Soil Science a two semester course that provides students with opportunities to participate in a variety of activities including laboratory and field work. Coursework includes hands-on learning activities that encourage students to investigate areas of plant and soil science. Students are introduced to the following areas of plant and soil science: plant growth, reproduction and propagation, photosynthesis and respiration, diseases and pests of plants and their management, biotechnology, the basic components and types of soil, soil tillage, and conservation.

- Recommended Grade: 10, 11
- Required Prerequisites: Principles of Agriculture
- Recommended Prerequisites: Introduction to Agriculture, Food and Natural Resources
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a Directed Elective or Elective for all diplomas

- Fulfills a science course requirement for all diplomas
- Fulfills a Physical Science requirement for the general diploma

SUSTAINABLE ENERGY ALTERNATIVES *5229 (SUS NRG)*

Sustainable Energy Alternatives broadens a student's understanding of environmentally friendly energies. In this course students will use a combination of classroom, laboratory, and field experiences to analyze, critique, and design alternative energy systems. Class content and activities center on renewability and sustainability for our planet. Topics covered in this course include the following types of alternative energies: solar, wind, geothermal, biomass and emerging technologies. Leadership development, supervised agricultural experience and career exploration opportunities are included in the study of this field. Sustainable energy is also included.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisite: Introduction to Agriculture, Food and Natural Resources; ~~or~~ Natural Resources
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Fulfills a science course requirement for all diplomas
- Counts as a Directed Elective or Elective for all diplomas

SOCIAL STUDIES COURSES

1512 CURRENT PROBLEMS, ISSUES, AND EVENTS (*CPIE*)

Current Problems, Issues, and Events gives students the opportunity to apply investigative and inquiry techniques to the study of significant problems or issues. Students develop competence in (1) recognizing cause and effect relationships, (2) recognizing fallacies in reasoning and propaganda devices, (3) synthesizing knowledge into useful patterns, (4) stating and testing hypotheses, and (5) generalizing based on evidence. Problems or issues selected will have contemporary historical significance and will be studied from the viewpoint of the social science disciplines. Community service programs and internships within the community may be included.

- Recommended Grade: none
- Required Prerequisites: none
- Recommended Prerequisite:

- Credits: 1 semester course, 1 credit per semester, Course may be repeated for credit if the content of the course changes.

0319 ECONOMICS *(ECON* 1514 *)*

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.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 semester course, 1 credit per semester
- Counts as an elective for all diplomas
- Fulfills the Economics requirement for the Core 40, Core 40 with Academic Honors, Core 40 with Technical Honors and International Baccalaureate diplomas
- Qualifies as a quantitative reasoning course (NOTE: Economics will no longer be considered a quantitative reasoning course beginning with the 2025 cohort.)
- Fulfills a Social Studies requirement for the General Diploma only

1514A APPLIED ECONOMICS *(ECON)*

Applied Economics examines the allocation of resources and their uses for satisfying human needs and wants. The course identifies economic behavior 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. Students may be offered opportunities to better understand and apply course content through a variety of instructional strategies including project- and community-based instruction and real world experiences.

- Recommended Grade: none
- Required Prerequisites: none
- Recommended Prerequisites:
- Applied Units: 2 units maximum
- Counts as a Social Studies Requirement or elective for the Certificate of Completion

1516 ETHNIC STUDIES *(ETH STUDIES)*

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.

- Recommended Grade: none
- Recommended Prerequisites: none
- Credits: 1 semester course, 1 credit
- Counts as an Elective for all diplomas
- Must be offered at least once per school year

1518 INDIANA STUDIES *(IN STUDIES)*

Indiana Studies is an integrated course that compares and contrasts state and national developments in the areas of politics, economics, history, and culture. The course uses Indiana history as a basis for understanding current policies, practices, and state legislative procedures. It also includes the study of state and national constitutions from a historical perspective and as a current foundation of government. Examination of individual leaders and their roles in a democratic society will be included and student will examine the participation of citizens in the political process. Selections from Indiana arts and literature may also be analyzed for insights into historical events and cultural expressions.

- Recommended Grade: none
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 semester course, 1 credit per semester
- Counts as an Elective for all diplomas
- Fulfills course requirement for General Diploma
- Must be offered at least once per school year

1518A APPLIED INDIANA STUDIES *(IN STUDIES)*

Indiana Studies is an integrated course that compares and contrasts state and national developments in the areas of politics, economics, history, and culture. The course uses Indiana history as a basis for understanding current policies, practices, and state legislative procedures. It also includes the study of state and national constitutions from a historical perspective and as a current foundation of government. Examination of individual leaders and their roles in a democratic society will be included and students will examine the participation of citizens in the political process. Selections from Indiana arts and literature may also be analyzed for insights into historical events and cultural expressions.

- Recommended Grade: none
- Required Prerequisites: none
- Recommended Prerequisites: none
- Applied Units: 2 units maximum
- Counts as a Social Studies Requirement or Elective for the Certificate of Completion
- Must be offered at least once per school year

1532 PSYCHOLOGY *(PSYCH)*

Psychology is the scientific study of mental processes and behavior. The course is divided into eight content areas: History and Scientific Method, Biological Basis for Behavior, Development, Cognition, Personality and Assessment, Abnormal Psychology, Socio-Cultural Dimensions of Behavior, and Psychological Thinking. History and Scientific Method explores the history of psychology, the research methods used, and the ethical considerations that must be utilized. Biological Basis for Behavior focuses on the way the brain and nervous system function, including sensation, perception, motivation and emotion. Development analyzes the changes through one's life including the physical, cognitive, emotional, social and moral development. Cognition focuses on learning, memory, information processing, and language development. Personality and Assessment explains at the approaches used to explain one's personality and the assessment tools used. Abnormal Psychology explores psychological disorders and the various treatments used for them. Socio-Cultural Dimensions of Behavior covers topics such as conformity, obedience, perceptions, attitudes and influence of the group on the individual. Psychological Thinking explores how to think like a psychologist and expand critical thinking skills needed in the day-to-day life of a psychologist.

- Recommended Grade: none
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 to 2 semester course, 1 credit per semester
- Counts as an elective for all diplomas
- Fulfills course requirement for General Diploma

0317 SOCIOLOGY*(SOCIOLOGY* 1534*)*

Sociology allows students to study human social behavior from a group perspective. The sociological perspective is a method of studying recurring patterns in people's attitudes and actions and how these patterns vary across time, cultures, and in social settings and groups. Students describe the development of sociology as a social science and identify methods of research. Through research methods such as scientific inquiry students examine society, group behavior, and social structures. The influence of culture on group behavior is addressed through institutions such as the family, religion, education, economics, community organizations, government, and political and social groups. The impact of social

groups and institutions on group and individual behavior and the changing nature of society will be examined. Influences on group behavior and social problems are included in the course. Students also analyze the role of individuals in the community and social problems in today's world.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 semester course, 1 credit per semester
- Counts as an Elective for all diplomas
- Fulfills course requirement for General Diploma

0333 UNITED STATES GOVERNMENT *(US GOVT* 1540 *)*

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 will be 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.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 1 semester course, 1 credit per semester
- Fulfills the Government requirement for all diplomas
- Students are required to take the naturalization test for citizenship per SEA 132 (New 2019-20)
- SEA 398 (Spring 2020) states that schools will be required to issue the naturalization test, report results, and post test data results starting in November

1540A APPLIED UNITED STATES GOVERNMENT *(US GOVT)*

Applied 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; 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. How the United States interacts with other nations and the government's role in world affairs will be included. Using primary and secondary resources, students will articulate, evaluate, and defend positions on political issues. As a result, they will recognize their own impact, 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.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Applied Units: 2 units maximum
- Counts as a Social Studies Requirement or Elective for the Certificate of Completion

0325 UNITED STATES HISTORY *(US HIST 1542)*

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.

- Recommended Grade: none
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 2 semester course, 1 credit per semester
- Fulfills the US History requirement for all diplomas

0327 UNITED STATES HISTORY *(US HIST 1542)*

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.

- Recommended Grade: none
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 2 semester course, 1 credit per semester
- Fulfills the US History requirement for all diplomas

*North Newton will have the opportunity to attain dual credit through Purdue University Northwest while completing courses at North Newton. Within a select set of classes, North Newton students will have the opportunity to receive college credit. Students must fulfill two of the following three requirements to enroll in a dual credit course through Purdue University Northwest:

1] Rank in the upper one third of their class
2] Cumulative grade point average of 3.0 or better or
3] combined SAT score of 1500 or a combined ACT score of 21.

The current fee for the courses is $25.00 per credit hour and is subject to change. The following courses will be offered for dual credit at North Newton:

- Calculus AB
- English Language and Composition
  United States History

1542A APPLIED UNITED STATES HISTORY *(US HIST)*

Applied United States History is a course that builds upon concepts 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 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 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 specific topics or the cause for changes in the nation over time.

- Recommended Grade: none
- Required Prerequisites: none
- Recommended Prerequisites: none
- Applied Units: 4 units maximum
- Counts as a Social Studies Requirement or Elective for the Certificate of Completion

0311 WORLD HISTORY AND CIVILIZATION *(WLD HST/CVL* 1548*)*

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.

- Recommended Grade: none
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 2 semester course, 1 credit per semester
- Counts as an Elective for all diplomas
- Fulfills the Geography History of the World/World History and Civilization graduation requirement for all diplomas

1538 Topics in History (*TOP HIST*)

Topics in History provides students the opportunity to study specific historical eras, events, or concepts. Development of historical research skills using primary and secondary sources is emphasized. The course focuses on one or more topics or themes related to United States or world history. Examples of topics might include: (1) twentieth- century conflict, (2) the American West, (3) the history of the United States Constitution, and (4) democracy in history.

- Recommended Grade: 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: United States History or World History and Civilization

● Credits: 1 semester course, 1 credit per semester. This course may be repeated if the material in the course is different from one semester to the next. Topics in History can address different topics in World History or U.S. History.
● Counts as an elective for all diplomas
● Fulfills course requirement for General Diploma

WORLD LANGUAGES COURSES

0615 SPANISH I *(SPAN I* 2120*)*

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.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 2 semester course, 1 credit per semester
- Counts as a Directed Elective or Elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

0617 SPANISH II *(SPAN II* 2122*)*

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.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: Spanish I
- Recommended Prerequisites: none
- Credits: 2 semester course, 1 credit per semester
- Counts as a Directed Elective or Elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

0646 SPANISH III *(SPAN III* 2124*)*

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.

- Recommended Grade: 9, 10, 11, 12
- Required Prerequisites: Spanish I and II
- Recommended Prerequisites: none
- Credits: 2 semester course, 1 credit per semester
- Counts as a Directed Elective or Elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

0648 SPANISH IV *(SPAN IV* 2126*)*

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 an 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.

- Recommended Grade: 10, 11, 12
- Required Prerequisites: Spanish I, II and III
- Recommended Prerequisites: none
- Credits: 2 semester course, 1 credit per semester
- Counts as a Directed Elective or Elective for all diplomas
- Fulfills a World Language requirement for the Core 40 with Academic Honors Diploma

ELECTIVE COURSES

0509 **JAG -Jobs for America's Graduates (JAG)**

Jobs for America’s Graduates (JAG) is a state-based, national non-profit organization dedicated to preventing dropouts among young people who are most at-risk. JAG's mission is to keep young people in school through graduation and provide work-based learning experiences that will lead to career advancement opportunities or to enroll in a postsecondary institution that leads to a rewarding career. JAG students receive adult mentoring while in school and one year of follow-up counseling after graduation. The JAG program is funded through grants provided by the Indiana Department of Workforce Development.

•Recommended Grade: 11, 12

•Required Prerequisites: none
•Recommended Prerequisites: none
•Credits: 2 semester course, 1 credits per semester, 4 credits maximum
•Counts as an elective for all diplomas