

Franklin Community High School

INTRODUCTION

This booklet is designed to help students and parents plan schedules for the coming school year. Careful consideration should be given to the post-secondary goals of the student when selecting courses. A rigorous, relevant schedule is important for achieving success after high school. The information contained in this booklet can help students make the most of their high school educational experience.

THE SCHEDULE

Franklin Community High School operates on a modified 7 period day. Class instructional time equals 240 minutes per week. If study halls are offered only one class per semester may be taken. Students should consider extracurricular activities, rigor of classes and career goals when choosing course load.

SCHEDULING YOUR COURSES

Students must have 40 credits for the Core 40 diploma or 47 credits to earn the Academic Honors or Technical Honors Diploma from Franklin Community High School. When scheduling your courses, use this booklet to learn more about the content of each course, possible prerequisites and possible fees. Counselors conduct scheduling sessions to assist students and parents with course selections. The scheduling form must be turned in with parental signature to the Counseling Office by the established deadline.

SCHEDULE CHANGE POLICY

It is extremely important for students and parents to carefully review course requests before submitting their final course selections. Be sure to review the prerequisites and recommendations and have questions answered prior to submitting the course request form. **ONCE STUDENTS HAVE SUBMITTED COURSE REQUESTS, THEY ARE EXPECTED TO REMAIN IN CHOSEN COURSES (INCLUDING FULL YEAR AND ONE SEMESTER COURSES). STUDENTS WHO FAIL TO SUBMIT A COURSE REQUEST FORM WILL HAVE THEIR COURSES CHOSEN FOR THEM.** Students have until the last day of school to make changes in their schedules for the next school year.

Under special circumstances the administration may grant a change. These circumstances include:

- Need to meet high school graduation requirements.
- Class was dropped due to lack of enrollment or staff change.
- Course capacity has been exceeded.
- Computer entry errors.
- Failure to meet prerequisites.
- Documented medical reason preventing participation. Documentation must directly outline in detail how the medical issue would prevent participation in any given course.
- Change in Individual Education Plan (IEP).

COMMENCEMENT CEREMONY PARTICIPATION

Students must meet ALL requirements for graduation, including commencement practice, in order to participate in the commencement ceremony.

GRADUATION REQUIREMENTS AND DIPLOMA TYPES: FCCHS awards three types of diplomas: Core 40 Diploma, Core 40 with Academic Honors Diploma, and Core 40 with Technical Honors Diploma. The appropriate number of credits and a passing score on the Graduation Qualifying Exam (GQE) are required for all diplomas. **All students must be enrolled in courses leading to either the Core 40 or the Academic Honors Diploma. The general diploma requires a waiver or IEP.**

CORE 40 Diploma (40 credits)

The State of Indiana has developed a program of educational expectations for Indiana high school students. These expectations are called Indiana Core 40. Indiana Core 40 applies to all students. Students must meet Core 40 requirements to be considered for admission to an Indiana four-year college or university. Students should meet Core 40 requirements to ensure success in one and two year colleges and technical training programs.

The requirements are as follows:

- 8 credits ENGLISH:
 - 2 Credits English 9 or English 9 Honors
 - 2 credits English 10 or English 10 Honors

- 2 credits English 11, English 11 Honors
- 2 credits in English 12, AP English 12 or 2 credits in English electives.
- 6 credits of SOCIAL STUDIES:
 - 2 credits of Geography or World History
 - 2 credits U.S. History or AP U.S. History
 - 1 credit of United States Government
 - 1 credit of Economics
- 6 Credits of MATHEMATICS: A math or physics course is required in the junior or senior year for Class of 2011 and beyond.
 - 2 credits of Algebra I or Algebra I Honors
 - 2 credits of Geometry or Geometry Honors
 - 2 credits of Algebra II or Algebra II Honors
 - 2 credits of Pre-Calculus, Calculus or other higher level math.
 - NOTE: Students who receive credit for Algebra I in 8th grade must have 3 more years of high school math.
- 6 credits of SCIENCE: A physics or math course is required in the junior or senior year for Class of 2011 and beyond.
 - 2 credits of Biology or Biology Honors
 - 2 credits of Chemistry or Integrated Chemistry/Physics
 - 2 credits of elective science: Biology II, Chemistry II, Physics II, Earth Science, Adv. Agriculture Sciences
- 1 credit of HEALTH AND SAFETY
- 2 credits of PHYSICAL EDUCATION or PE Waiver(see section on PE)
- 1 credit of COMPUTER APPLICATIONS
- 5 credits of DIRECTED ELECTIVES from Foreign Language, Fine Arts or Technical courses
- 5 credits of any elective courses
- 1 credit of Personal Finance for class of 2014 and above (If haven't already taken a computer class)

CORE 40 WITH ACADEMIC HONORS DIPLOMA (47 credits)

The Indiana Academic Honors Diploma is available to students who complete a rigorous course of study. This diploma requires 47 credits. The Academic Honors Diploma will be noted on the student's official transcript. Students who qualify for college financial aid may receive higher awards with this diploma.

Students must complete all requirements for the CORE 40 and these additional items:

- ONE of the following: 4 credits in AP courses with AP exams; 6 college credits from the DOE approved list ; combination of one AP course/exam and 3 college credits from the DOE approved list.; SAT score of 1200 on combined math and verbal or ACT score of 26 composite.

Also, students must have:

- 2 additional math credits for a total of 8 math credits taken in high school.
- Earn no less than a C- in all courses counting for the diploma
- Have a minimum grade point average (GPA) of 3.00 upon graduation.
- 6-8 credits of WORLD LANGUAGE:
 - 6 credits of one world language OR
 - 4 credits of one world language AND 4 credits of a second world language
- 2 credits of FINE ARTS:
 - 2 credits in any combination of art or music

CORE 40 WITH TECHNICAL HONORS DIPLOMA (47 credits)

- Complete all requirements for the Core 40.
- Complete a career-technical program (related sequence of 8-10 career-technical credits).
- Earn no less than a C in courses counting for the diploma.
- Have a minimum grade point average (GPA) of 3.00.
- Complete TWO of the following options: Take WorkKeys and score at or above the minimum in three areas; 6 college credits in a technical area; complete a career internship; earn state approved certification.

GENERAL DIPLOMA (40 credits: must petition for a waiver after the junior year or have an IEP)

8 Credits in English including English 9, English 10, English 11 and 2 credits of English 12 Electives.

4 Credits in Mathematics including 2 credits in Algebra I.

4 Credits in Science: 2 credits in Biology and 2 Credits in any of the following: Earth Science, Adv. Agricultural Sciences, Chemistry, Physics, Integrated Chemistry/Physics

2 Credits in Physical Education

1 Credit in Computers

1 Credit in Health

4 Credits in Social Studies including 2 credits in U.S. History, 1 Credit in U. S. Government, 1 Credit in Geography, World History, Psychology, Sociology, Economics, or Consumer Economics.

16 Elective Credits.

MID-YEAR GRADUATION FOR SENIORS

Seniors who have attended seven semesters, have earned the required number of credits, and have completed all of the required classes may be graduated after seven semesters. These procedures shall be followed by all planning mid-year graduation:

- Students apply for mid-year graduation at the time that scheduling takes place, but no later than the first week of school in the fall.
- The student shall file with his counselor a completed application, properly signed by the student and the parent or guardian.
- Mid-year graduates are not eligible to participate in second semester athletics. Consult athletic directors for more information.
- Mid-year graduates will not be permitted to participate in second semester extracurricular activities without administrative permission.

PARTIAL DAY SCHEDULES FOR SENIORS

Students who have completed seven semesters may elect to have a partial day schedule second semester of the senior year. Students must submit a permission form from parents at the time they schedule their classes for the senior year. Partial day schedule adjustments are not permitted after scheduling is completed. NOTE: Athletes must schedule and be passing a minimum of five courses in order to stay eligible. Consult athletic directors for more information. NOTE: Do to schedule constraints not all partial day requests may be met.

VALEDICTORIAN AND SALUTATORIAN STATUS

Only those students who complete eight (8) semesters and the Academic Honors Diploma are eligible to be considered for Valedictorian or Salutatorian.

GRADING SCALE AND WEIGHTED GRADES: Advanced Placement Courses (AP) are weighted an extra point. The extra weight is reflected on the GPA. Students who enroll in AP classes will be required to take the AP Exam at the end of the course. Students who take 200 level college courses or the 2nd level of the Franklin College Calculus class may also receive a weighted grade for C or better with approval.

Non-weighted scale

A	4.00
A-	3.66
B+	3.33
B	3.00
B-	2.66
C+	2.33
C	2.00
C-	1.66
D+	1.33
D	1.00
D-	.66
F	.00

Weighted Scale

A	5.00
A-	4.66
B+	4.33
B	4.00
B-	3.66
C+	3.33
C	3.00
C-	2.66
no weight for grades lower than a C-.	

IHSAA ELIGIBILITY

All athletes must maintain passing grades in at least 5 of 7 subjects in each six-week grading period and each semester in order to remain eligible for any and all IHSAA sanctioned contests. Courses being retaken to improve a non-failing grade are not counted for eligibility. It is the responsibility of each athlete to maintain eligibility.

NONDISCRIMINATION POLICY

It is the policy of the Franklin Community School Corporation not to discriminate on the basis of race, color, religion, sex, national origin, handicap, or age in its programs or employment policies as required by Indiana Civil Rights Act (IC 1971, 22-9-1); Public Law 218 (C1971, Title 20); Titles II and VII (Civil Rights Act of 1964); the Equal Pay Act of 1973; Title IX (1972 Education Amendments); Public Law 94-142 (101-476); and Public Law 93-112, Section 504. Compliance officer is the Assistant Superintendent, 317-738-5800.

TESTING PROGRAM AT FCHS

PSAT/NMSQT (Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test)

This test is made available to students in October. Juniors and sophomores will take this test. The PSAT also determines National Merit Scholarships for qualifying juniors.

SAT (Scholastic Aptitude Test)

The SAT is offered six times per year nationally. It is offered two times a year at FCHS, the first Saturday in November and the first Saturday in June. Generally, we encourage juniors to take the June test and seniors to take the test in the fall. However, juniors and seniors may take the test at either time. If the test is taken more than once, most colleges use the best scores in the selection process for admission.

ACT (American College Test)

The ACT is offered nationally six times per year. FCHS hosts the test in June and Dec. The ACT is accepted by all Indiana colleges and by most colleges in the country. Students are encouraged to take both the ACT and SAT. Colleges will accept the better of the two scores.

NCAA GUIDELINES FOR COLLEGE ATHLETES

A student who wishes to participate in Division I or II athletics in college must meet NCAA requirements for eligibility. For complete information, go on-line www.ncaa.org.

COLLEGE ENTRANCE REQUIREMENTS

College admissions committees act differently each year according to the quantity and quality of applicants and according to other special circumstances; but there is everywhere an increasing emphasis on the academic subjects – English, social studies, foreign language, math, and science. Generally, colleges determine admission based on the grade point average (GPA), quality of academic preparation, rank in class and standardized test scores. Admission standards vary at each institution and are subject to change. It is best to check with the individual school for more detailed information

GET A HEAD START ON COLLEGE

It is possible to graduate from high school with college credits already on your record. You may do this by taking college level courses in high school or by taking examinations to demonstrate your knowledge in a particular area. Please refer to the Dual Enrollment section for courses offered for college credit. If you complete college courses while you are still in high school, you can take more advanced college courses as a freshman. One way to earn college level credit in high school is through Advanced Placement (A.P.) courses. If you enroll in one of Franklin's A.P. courses and receive a satisfactory grade on the annual May College Board Exam, you may qualify for college credit or advanced standing at the college of your choice. Another way to gain college credit is through the College Level Examination Programs. CLEP was designed to help students receive credit for learning they have done on their own outside the classroom. CLEP is a national program offering five general examinations and thirty subject examinations that measure knowledge equivalent to that given in introductory college courses. Students should check with the colleges for details. Another option for college credit is Dual Enrollment. FCHS will offer courses taught at the high school for college credit in 2009-2010. These courses will be given college and high school credit. In some cases, there is an application and/or fee for the college credit for these courses.

DUAL ENROLLMENT COURSES

Franklin Community High School will offer several opportunities for students to obtain both high school and college credit for the same course. Interested students must submit the appropriate application and pay the tuition (if required) in order to receive the college credit.

FRANKLIN COLLEGE *RUNNING START* PROGRAM

- Students take approved courses at Franklin College.
- Application required. Franklin College determines eligibility.
- Students must provide own transportation to Franklin College.
- Courses determined by Franklin College availability.
- The college course grade will be given for the high school credit.
- Tuition, fees, books at the expense of the student.
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IVY TECH *DUAL ENROLLMENT* PROGRAM

- Free tuition
- Must have a PSAT or SAT/ACT qualifying score or take IVY TECH Asset test.
- Must have a C or better to qualify for college credit.
- Courses taught at FCHS with high school instructors.
- Courses available for 2011-12
 - Pre Calculus and Pre Calculus Honors
 - Advanced Math: Brief Calculus
 - Marketing
 - Plants and Flowers 101(Horticulture Science)

IUPUI SPAN *CITIDOE* PROGRAM

- Courses taken on-line at the high school.
- Courses taught by college instructors.
- High school teacher is facilitator only.
- Application required
- Grades from the course are used for high school credit.
- Tuition, fees, books at the expense of the student.

- IUPUI calendar in effect for these classes.
- Courses available for 2010-11: (see descriptions in Business)
 - CIT 106 Using a Personal Computer (special permission needed)
 - CIT 112 Information Technology Fundamentals
 - CIT 140 Programming Constructs Lab
 - CIT 212 Web Site Design
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Purdue

- Advanced Life Science Animals

Indiana University

- W131 Composition(pending approval)

CAREER PATHWAYS GUIDE

This Career Pathways Guide offers course recommendations and sequences based on eight career clusters. Career clusters represent groups of occupations that share similar attributes. Students and parents should use this guide in preparing a four-year plan to complete high school and to begin planning for post-secondary education. Reviewing the suggested classes and electives for each of the clusters will provide useful guidelines in selecting appropriate courses for educational and career goals. The following career clusters are highlighted in this section:

- * **AGRICULTURE AND NATURAL RESOURCES**
- * **THE ARTS**
- * **BUSINESS**
- * **COMMUNICATIONS AND MEDIA**
- * **EDUCATION, SOCIAL AND HUMAN SERVICES**
- * **HEALTH SERVICES**
- * **MANUFACTURING, TRADE AND TECHNICAL**
- * **ENGINEERING AND TECHNOLOGIES**

RECOMMENDED SEQUENCE OF COURSES FOR AGRICULTURE, NATURAL RESOURCES AND ENVIRONMENTAL

	<i>English</i>	<i>Math</i>	<i>Science</i>	<i>Social Studies</i>	<i>Other Courses</i>	<i>Electives</i>	<i>Electives</i>
Year 12	English Electives	Prob/Stats Pre-Cal. Cal. or Elective	Chemistry I,II Biology II Animal Sci. Adv. An. Sci.	U. S. Government and Econ.	Electives	World Language or Elective	C-9 Ag. Electives
Year 11	English 11	Algebra II Geometry Prob/Stats or Pre-Cal.	Chemistry I Biology II or Animal Sci.	U. S. History	Agriculture Art and Design	World Language or Ag. Elective	C-9 Ag. Electives
Year 10	English 10	Prob/Stats Algebra I Geometry and/or Algebra II Pre-Calc	Biology I Integrated Chem/Phys Chemistry I Biology II Earth Sci.	World History	Health, Horticulture, And Marketing	World Language	Agriculture Sciences Natural Resources
Year 9	English 9	Algebra I or Algebra II Geometry	Biology I or Earth Science or Integrated Chem/Phys	Geography/ History of the World	P. E. Digital Tools	World Language	Foundations of Agriculture

CAREER ELECTIVES

Animal Science
Sportsman Science
Plant & Soil Science
Food Science
Ag Mechanization
Adv.Life Science:Foods

Nutrition & Wellness
Advanced Foods & Nutrition
Horticulture Science
Construction Systems
Construction Processes

Central Nine Programs in:
Horticulture/Landscaping
Welding
Diesel/Heavy Equipment
Marketing

SAMPLE CAREER CHOICES

This career family includes food processing, landscaping, forestry, conservation, timber, farming, and environmental job titles. T denotes technical training.

Agricultural Engineer
Animal Caretaker (T)
Artificial Breeder (T)
Biological and Food Technician (T)
Butcher (T)
Cannery Worker (T)
Conservation Compliance Officer (T)
Conservationist
Environmental Analyst
Farm Manager (T)
Fish and Game Warden
Fish Hatchery Worker (T)

Florist (T)
Forest Worker (T)
Forester Scientist
Gas Plant Operator
Groundskeeper (T)
Hazardous Waste Manager
Horticulturist
Landscape Architect
Landscape Technician (T)
Lawn Care Manager
Livestock Worker (T)
Logging Tractor Operator (T)

Lumber Production Worker (T)
Natural Resources Program Administrator
Naturalist
Nursery Manager
Nursery Worker (T)
Oil and Gas Drilling Operator (T)
Park Ranger
Petroleum Refinery Operator
Tree Trimmer (T)
Water Quality Tester (T)
Water Waste Treatment Plant Operator

RECOMMENDED SEQUENCE OF COURSES FOR THE ARTS

	<i>English</i>	<i>Math</i>	<i>Science</i>	<i>Social Studies</i>	<i>Other Courses</i>	<i>Electives</i>	<i>Electives</i>
Year 12	English Electives	Prob/Stats Pre-Cal. Cal. or Elective	Science Elective or Elective	U. S. Government and Econ.	Student Publications or FCTV	World Language or Elective	Art or Music
Year 11	English 11	Algebra II Geometry or Pre-Cal.	Chemistry I or Physics I	U. S. History	Student Publications or FCTV	World Language or Elective	Art and/or Music
Year 10	English 10	Pre-Cal Prob/Stats Algebra I Geometry and/or Algebra II	Biology II or Earth Science or Integ. Science	World History	Health CompAppII CompAppIII	World Language	Art Music or AV Courses
Year 9	English 9	Algebra I or Algebra II Geometry	Biology I or Earth Science or Integ. Chem/Phys	Geography/ History of the World	P. E. Career Digital Tools	World Language	Art, Music or Journalism

CAREER ELECTIVES

Advanced Art Courses
Computer Design
Creative Writing
Speech
Instrumental Music

Composition
Needlecraft & Textiles
Fashion Technologies
Housing & Interiors
Choral Music

Communications
Central Nine Programs in:
Drafting (CAD)
Graphic Imaging
Interactive Media

SAMPLE CAREER CHOICES

Artist
Actor/Actress
Art Critic
Art Manager and Promoter
Art Publisher
Art Therapist
Architect
Book Illustrator and Designer
Booking Agent
Cartoonist
Choreographer
Church Musician
Commercial Work/Recorder
Composer, Arranger
Computer Graphics Designer
Conductor

Costume Designer
Curator
Dance Critic
Editorial Art Director/Illustrator
Environmental Planner,
Development/City Planner
Exhibit & Display Designer (T)
(Building Trades)
Fashion & Textile Designer
Film Musician
Film & Video Producer
Gallery Owner
Graphic Artist
Industrial Designer
Instrument Repair & Builder (T)
Interior Designer

Jewelry Designer (T)
Lighting Designer (T)
Make-Up Artist
Medical & Technical
Illustrator
Music Engineer
Music Journalist
Music Therapist
Photographer, Sculptor
Playwright
Police/Court Artist
Producer
Professional Artist -
Commercial Artist

Professional Musician
Professional Performer
Promotion and Publicist
Publisher
Set Designer
Sound Technician
Stage Manager
Teacher
Theatre Critic
Tuner (T)
T. V. and Filmwork
Animation and
Graphics Planner

(T) denotes technical career for which two-year post secondary programs are often sufficient.

RECOMMENDED SEQUENCE OF COURSES FOR BUSINESS CLUSTER

	<i>English</i>	<i>Math</i>	<i>Science</i>	<i>Social Studies</i>	<i>Other Courses</i>	<i>Electives</i>	<i>Electives</i>
Year 12	English Electives	Prob/Stats Pre-Cal. Cal. or Elective	Science Elective or Elective	U. S. Government and Econ.	Business Law	World Language or Elective	C-9 College-Level Business Courses
Year 11	English 11	Algebra II Geometry Prob/Stats or Pre-Cal.	Chemistry I or Physics I	U. S. History	Entrepreneur -ship Marketing	World Language or Elective	C-9 Accounting Fashion Merchandising
Year 10	English 10	Algebra I Geometry and/or Algebra II	Biology II or Earth Science or Integ. Science	World History	Health Web Design	World Language	Business Courses
Year 9	English 9	Algebra I or Algebra II Geometry	Biology I or Earth Science or Integ. Chem/Phys	Geography/ History of the World	P. E. Digital Tools	World Language	Business Foundations

CAREER ELECTIVES

Accounting Business Management Computer Applications II, III Business Law Web Design	Business Foundations Entrepreneurship Marketing Fashion Merchandising	Central Nine Programs in: Business Technology Entrepreneurship Sports/Entertainment Marketing Professional Career Internship
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SAMPLE CAREER CHOICES

This cluster includes careers in administrative/management, office and clerical, finance/accounting, human resources, government/public, insurance, purchasing, real estate, and retail.

Accountant	Date Entry (T)	Payroll Clerk (T)
Actuary	Dispatcher (T)	Postal Clerk (T)
Administrative Assistant (T)	Economist	Property Manager
Advertising	Estimator	Realtor
Auditor	Financial Planner	Receptionist (T)
Bank Teller (T)	Hotel/Restaurant Manager	Sales
Banking and Finance	Information Systems Director	Sales Agent
Bookkeeper (T)	Insurance Sales Agent	Secretary
Business Management	International Business	Stock Broker
Business Owner	Labor Relations	Store Manager
Buyer	Legal Word Processor (T)	Systems Analyst
Computer Operator (T)	Marketing	Title Examiner
Computer Programmer (T)	Medical Record Technician	Travel Agent
Court Reporter (T)	Office Manager (T)	Underwriter
Customer Relations	Paralegal (T)	Word Processor/Typist (T)

RECOMMENDED SEQUENCE OF COURSES FOR COMMUNICATIONS AND MEDIA

	<i>English</i>	<i>Math</i>	<i>Science</i>	<i>Social Studies</i>	<i>Other Courses</i>	<i>Electives</i>	<i>Electives</i>
Year 12	English Electives	Prob/Stats Pre-Cal. Cal. or Elective	Chemistry I Physics I or Elective	U. S. Government and Econ.	Speech and Composition	World Language or Elective	C-9 Art Music Technology
Year 11	English 11	Algebra II Geometry Prob/Stats Pre-Cal. Adv. Math	Chemistry I Physics I or Biology II	U. S. History	Student Publications and FCTV	World Language or Elective	Music Courses Art Courses Technology Courses
Year 10	English 10	Algebra I Geometry and/or Algebra II Pre-Cal	Earth Science or Int. Chem/Phys or Bio. II Electives	World History	Health CompApp II CompAppIII	World Language	Student Publications FCTV
Year 9	English 9	Algebra I or Algebra II Geometry	Biology I or Earth Science or Int. Chem/Phys	Geography/ History of the World	P. E. Digital Tools	World Language	Journalism Intro. to Broadcasting

CAREER ELECTIVES

2-D Art Courses	Audio/Visual Communications	Digital Design
3-D Art Courses	FCTV	School-To-Work Internship
Visual Communications	Speech	Media Arts: Photography
Music	Foreign Languages	Central Nine Programs in:
Computer Design	Composition	Drafting/CAD
Web Design	Creative Writing	Business Technology
Marketing	Music Appreciation	Sports/Entertainment Marketing
Entrepreneurship	Music Theory	Interactive Media
Journalism	Communication Systems & Processes	Graphic Imaging
Student Publications: <u>Kite</u> , <u>Electron</u>	Design Processes	

SAMPLE CAREER CHOICES

This cluster includes careers in radio, TV, publishing, and library titles.

Advertiser	Editor	Proof Reader
Announcer	Interpreter	Public Relations
Audiovisual Specialist	Journalist	Publisher
Biography	Librarian	Radio Announcer
Broadcast News Analyst	Media Specialist	Reporter and Correspondent
Broadcast Technician	Newscaster	Screen Writer
Columnist	Novelist	Speech Pathologist
Copywriter	Photo Journalist	Speech Writer
Desktop Publisher	Playwright	Technical Writer
Disc Jockey	Printer (T)	Television Reporter/Announcer

(T) denotes technical career for which two-year post secondary programs are often sufficient.

RECOMMENDED SEQUENCE OF COURSES FOR EDUCATION, HUMAN AND SOCIAL SERVICES

	<i>English</i>	<i>Math</i>	<i>Science</i>	<i>Social Studies</i>	<i>Other Courses</i>	<i>Electives</i>	<i>Electives</i>
Year 12	English Electives	Prob/Stats Pre-Cal. Cal. or Elective	Science Elective or Elective	U. S. Government and Econ.	Psychology Sociology	World Language or Elective	C-9 or Cadet Teaching or Elective
Year 11	English 11	Algebra II Geometry Prob/Stats or Pre-Cal.	Physics I Or Chemistry I	U. S. History	Interper Rel Family Wellness Elective	World Language or Elective	C-9 or Elective
Year 10	English 10	Algebra I Geometry and/or Algebra II	Biology II or Earth Science or Int. Chem/Phys	World History or Elective	Health Art	World Language or Elective	Art Music FACS electives
Year 9	English 9	Algebra I or Algebra II Geometry	Biology I or Earth Science or Int. Chem/Phys	Geography/ History of the World	P. E. Digital Tools	World Language or Elective	Child Develop. & Parenting I, II

CAREER ELECTIVES

Textiles & Fashion
Child Development Courses
Music
Technology
Advanced P. E. Courses

Business Electives
2-D and 3-D Art
Interpersonal Relations
Speech
Agriculture Courses

Central Nine Programs in:
Horticulture
Cosmetology
Sports/Entertainment Mkt.
Firefighter/EMT/Law Enforce.

SAMPLE CAREER CHOICES

This cluster includes careers in education, cleaning, commercial services, hospitality and travel, personal services, legal, social and recreation services, law enforcement and security services, and food services.

Athletic Director	Financial Aid Officer	Librarian	Reservation Ticket Agent (T)
Barber (T)	Fire Fighter (T)	Manicurist (T)	Restaurant Host/Hostess (T)
Clergy	Fire Inspector	Masseur (T)	School or College Administrator
Coach	Flight Attendant	Museum Curator	Scientist
Cooperative Extension Service	Guard (T)	Paralegal (T)	Sheriff
Correction Officer	Guide (T)	Police Officer (T)	Social Worker
Cosmetologist (T)	Health Club Manager	Political Scientist	Tailor (T)
Counselor	Historian	Preschool Teacher	Teacher, Elementary & Secondary
Detective	Home Economist	Probation Officer	Teacher Aide
Director of Admissions	Hospitality	Professor	Telephone Operator (T)
Fashion Coordinator	Janitor (T)	Psychologist	Taxi Driver (T)
FBI Agent	Judge	Recreation Leader	Travel Agent (T)
Federal Marshall	Lawyer	Religious Worker	

(T) denotes technical career for which two-year post secondary programs are often sufficient.

RECOMMENDED SEQUENCE OF COURSES FOR HEALTH SERVICES

	<i>English</i>	<i>Math</i>	<i>Science</i>	<i>Social Studies</i>	<i>Other Courses</i>	<i>Electives</i>	<i>Electives</i>
Year 12	English Electives	Prob/Stats Pre-Cal. Cal. or Elective	AP Physics AP Chem. AP Bio Bio II	U. S. Govt. & Econ. Psych or Soc.	Adv. Animal Sci. Adv. Food Sci	World Language or Elective	C-9 or Electives
Year 11	English 11	Algebra II Geometry Prob/Stats or Pre-Cal.	Chemistry I Physics I AP Bio Bio II AP Chem AP Physics	U. S. History	Nutrition & Wellness Food Science Animal Sci.	World Language or Elective	C-9 or Electives
Year 10	English 10	Algebra I Geometry and/or Algebra II, Pre Cal.	Integ. Sci. Physics Anat/Phys. Chemistry I	World History	Health Family Wellness	World Language	Speech Nutrition and Wellness
Year 9	English 9	Algebra I or Algebra II Geometry	Biology I or Earth Science or Integ. Chem/Phys	Geography/ History of the World	P. E. Digital Tools	World Language	Child Development I, II

CAREER ELECTIVES

Animal Science

Music

Family Wellness

Child Development & Parenting I, II

Early Childhood Care

Nutrition & Wellness

Advanced Foods & Nutrition

Equine Science

Adv. Animal Science

2-D and 3-D Art

Central Nine Programs in:

Biomedical

Health Related Careers

Firefighter/EMT

Culinary Arts

Veterinary Assistant

SAMPLE CAREER CHOICES

Anesthesiologist

Audiologist

Cardiologist

Child Care Attendant (T)

Chiropractor

Dental Assistant (T)

Dental Lab Technician (T)

Dental Hygienist

Dentist

Dietitian

EEG/EKG Technician (T)

Emergency Medical Technician (T)

Family Practitioner

Health Administrator

Home Health Aide (T)

Internist

Licensed Practical Nurse (T)

Medical Assistant (T)

Medical Secretary (T)

Neurologist

Nurse

Nurse Anesthetist

Nursing Aide (T)

Obstetrician

Occupational Therapist

Occupational Therapy Aide (T)

Optician

Oral Surgeon

Orthodontist

Pathologist

Pediatrician

Pharmacist

Pharmacist Assistant

Physician

Physician Assistant

Physical Therapy Aide (T)

Psychiatrist

Psychiatric Aide

Radiologist

Radiology Technologist

Registered Nurse

Respiratory Health

Speech Pathologist

Surgeon

Surgical Technician

Therapist

Veterinarian

Veterinarian Lab Tech (T)

(T) denotes technical career for which two-year post secondary programs are often sufficient

RECOMMENDED SEQUENCE OF COURSES FOR MANUFACTURING, TRADE AND TECHNICAL

	<i>English</i>	<i>Math</i>	<i>Science</i>	<i>Social Studies</i>	<i>Other Courses</i>	<i>Electives</i>	<i>Electives</i>
Year 12	English Electives	Prob/Stats PreCal. Cal. or Elective	Science Elective or Elective	U. S. Government and Econ.	Technology FCTV	Technology Courses Entrepreneu -rship	C-9 or Tech. Electives
Year 11	English 11	Algebra II Geometry Prob/Stats Pre-Cal.	Chemistry I or Physics I	U. S. History	Technology or Agriculture	Technology Courses Marketing	C-9 or Tech. Electives
Year 10	English 10	Algebra I Geometry And/or Algebra II Pre-Cal.	Earth Science or Integ. Science or Chem. I	World History	Health	Technology Elective or World Language	Nutrition/Wellness Advanced Foods Business Foundations
Year 9	English 9	Algebra I or Algebra II Geometry	Biology I or Earth Science or Integ. Chem/Phys	Geography/ History of the World	P. E. Digital Tools	Technology Elective or World Language	Intro. to Technology and Fundamentals of Agriculture

CAREER ELECTIVES

Construction Systems and Processes	Central Nine programs in:	Building Trades
Communication Systems and Processes	Auto Collision Repair	Culinary Arts
Transportation Systems and Processes	Auto Service Tech.	Diesel Service Tech.
Art Courses	Aviation Maintenance	Drafting/CAD
Ag Mechanization	Building Facilities	Electronics
		Machine Trades
		Small Engine Repair
		Tractor-Trailer Driver
		Welding

SAMPLE CAREER CHOICES

Appliance Repair Technician	Computer Technician (T)	Glazer (T)	Production Supervisor
Assembly Technician	Contractor	Grader & Sorter	Riveter
Auto Body Detailer (T)	Drafter	Grinding/Polishing Worker	Robotics Technician (T)
Auto Body Repair (T)	Dry Cleaner	Hand Cutter/Trimmer	Sawing Machine Tender
Automobile Assembler	Dry Wall Finisher	Hand Presser	Screen Printer
Aviation Maintenance Tech.	Electrician (T)	Hand Punch Machine Setter	Sheet Metal Worker (T)
Bindery Machine Operator	Electronic Equipment Repair	Job Printer	Solar Energy Systems
Biomedical Equipment Repair	Electrolytic Plating Machine	Machinist (T)	Surveyor (T)
Boilermaker (T)	Machine Operator	Material Mov. Equip. Oper.	Telephone Install./Repair
Bookbinder	Foundry Mold Assembly Worker	Metal Fabricator	Tile Setter (T)
Building Construction Tech.(T)	Framer (T)	Office Machine Repairer	Tool & Die Maker (T)
Cabinet Maker (T)	Freight Handler	Painter & Paperhanger	T.V. & Radio Repair (T)
Chef (T)	Furniture Finisher	Photo Laboratory Worker (T)	Welder (T)
Commercial Driver (T)		Plasterer	Woodworker (T)

RECOMMENDED SEQUENCE OF COURSES FOR ENGINEERING AND TECHNOLOGIES

	<i>English</i>	<i>Math</i>	<i>Science</i>	<i>Social Studies</i>	<i>Other Courses</i>	<i>Electives</i>	<i>Electives</i>
Year 12	English Electives	Prob/Stats Pre-Cal. Cal. or Elective	APChem. AP Physics or Elective	U. S. Government and Econ.	Art Technology Sciences	World Language or Elective	C-9 or Elective
Year 11	English 11	Algebra II Geometry Prob/Stats Pre Cal. Adv. Math	Chemistry Physics or Elective	U. S. History	Business Courses or Technology Courses	World Language or Elective	C-9 or Technology Courses or Elective
Year 10	English 10	Algebra I Geometry and/or Algebra II, Pre Cal.	Biology II or Earth Science or Integ. Science	World History	Health Computers	World Language	Art Agriculture Design Courses Technology Courses
Year 9	English 9	Algebra I or Algebra II Geometry	Biology I or Earth Science or Integ. Chem/Phys	Geography/ History of the World	P. E. Digital Tools	World Language	Art Agriculture Technology Courses

CAREER ELECTIVES

Web Design
Agriculture Mechanization
Processes
2-D and 3-D Art
Plant and Soil Science
Computer Design
Nutrition and Wellness
Design Processes

Transportation Systems & Processes
Construction Systems & Processes
Internships
Communication Systems
Computers
Enterprise
Journalism
Adv. Ag Sciences

Central Nine Programs in:

Manufacturing
Pre-Engineering Systems and
Electronic Technology
Information Technology
Business Technology Lab
Aviation Technology
Automotive Technology
Drafting and Design
Biomedical
Building Trades Technology

SAMPLE CAREER CHOICES

Actuary
Air Traffic Controller
Architect
Cryptographer
Data Analyst
Draftsman (T)
Engineer or Engineering Technician (T) in areas including:
 Aeronautical
 Architectural
 Biomedical
 Civil
 Chemical
 Electrical
 Industrial/Mechanical

Genetic Counselor
Scientist or Lab Technician (T) in areas including:
 Astronomer
 Biologist
 Biochemist
 Chemist
 Environmental Scientist
 Geologist
 Meteorologist
Statistician
Surveyor (T)
Tool Programmer (T)
Weather Forecaster

(T) denotes technical career for which two-year post secondary programs are often sufficient

COURSE DESCRIPTIONS

AGRICULTURAL EDUCATION

Courses Offered Every Year

- Introduction to Agriculture (Fundamentals of Agricultural Science and Business)
- Agriculture Mechanics (Agriculture Mechanization)
- Animal Science

Classes on Rotation

Year 1 (2011-2012)

- Advanced Agriculture Mechanics
- Plants and Flowers 101
(Horticultural Science)
- Advanced Life Science Animals
(ALS Animals)
- Food Science

Year 2 (2012-2013)

- Advanced Life Science, Plants and
Soils (ALS Plants)
- Agribusiness Management
- Leadership
- Natural Resource Management

Agricultural Education is an elective program for students interested in the production of agricultural products including crops, flowers, and animals. Production, processing and distribution of all agricultural products will be covered. Our curriculum is flexible and allows students to select which instructional area they want to pursue in agriculture. Instruction from biology to physical science is applied in practical applications.

Students need one semester of any Agricultural Education course to qualify for each year of membership in the FFA organization. A summer SAE course (with instructor approval) is available for students who are unable to fit an Agriculture class during the regular school year. FFA membership is not mandatory; however, students have the option of joining the FFA to expand their learning. The FFA is a Career and Technical student organization, which is an integral part of the career education program of instruction in agricultural education. The many activities of the FFA parallel the methodology of the instructional program and are directly related to the occupational goals and objectives. As an integral part of the instructional program, district, state and national level FFA activities provide students opportunities to demonstrate their proficiency in the knowledge, skills, and attitudes they have acquired in the agricultural science and agricultural business education program of instruction. Students shall be rewarded/recognized for their competence. The FFA includes many activities ranging from educational to recreational. Fundraising and community service activities are also implemented throughout the year.

Franklin Agriculture Department Course Descriptions

2011-2012 School Year

Agricultural Education is an elective program for students interested in the production of agricultural products including crops, flowers, mechanical products, food, and animals. Our curriculum is flexible and allows students to select which instructional area they want to pursue in agriculture. Instruction from biology to physical science is applied in practical applications.

FFA membership is not mandatory for agriculture students; however, students have the option of joining the FFA to expand their learning. The FFA is a Career and Technical student organization, which is an integral part of the career education program of instruction in agricultural education. The many activities of the FFA parallel the methodology of the instructional program and are directly related to the occupational goals and objectives. As an integral part of the instructional program, district, state and national level FFA activities provide students opportunities to demonstrate their proficiency in the knowledge, skills, and attitudes they have acquired in the agricultural science and agricultural business education program of instruction. Students shall be rewarded/recognized for their competence. The FFA includes many activities ranging from educational to recreational. Fundraising and community service activities are also implemented throughout the year.

Agriculture Courses are on a two year rotation of classes. See the courses offered for this year below

Introduction to Agriculture (Fundamentals of Agricultural Science and Business)

145A-145B

2 Credits Grades 9-12

This yearlong course, which is the foundation for all other agricultural classes, provides students with an introduction to the exciting world of Agriculture Science. This is a hands-on class with many opportunities for you to participate in laboratories and outdoor activities. Course topics include agriculture careers, soil science, forestry and tree identification, wildlife, recycling, meat science, identification of animal breeds, greenhouse plant production, gardening, and agricultural mechanics. This class is right for you if you enjoy learning about natural science in our world and like participating in laboratory activities.

- Suggested Grade Levels: 9
- A two-credit/two semester course.
- May be offered as year long course to 8th graders for high school credit.
- Counts as a Directed Elective or Elective for the Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

Agriculture Mechanics (Agriculture Mechanization)

137A-137B

2 Credits Grades 10-12

Agriculture Mechanics is a year long hands-on course that focuses on the agriculture mechanics industry, starting with safety in the industry and then studying different occupational skills needed for careers in agriculture mechanics. The first semester main topic is metal fabrication and welding with the use of SMAW(Arc) and GMAW (Mig) welding techniques. You will also master how to cut metal with the use of an oxyacetylene torch. Second Semester Topics include small engines, construction, electricity, and plumbing. You will be working in lab groups with projects to master skills needed in these areas of agriculture education while also learning about customer relations, safety and safety resources, career opportunities in areas of agricultural mechanics and employability skills. This course is for you if you enjoy working in a hands-on environment and are interested in the field of mechanics.

- Suggested Grade Levels: 10-12
- Recommended Prerequisite: Fundamentals of Agricultural Science and Business
- A two-credit/two-semester course.
- This course can be taken for a second full year at an advanced level
- Counts as a Directed Elective or Elective for the Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

Animal Science

154A-154B

2 Credits Grades 10-12

This is a yearlong hands-on course that studies of the career field of animal science. The first semester focuses on the many sections of the animal science industry from companion animals like dogs and cats to the livestock industry. You will study and participate in labs focused on each industry the animals or products they create. Second Semester studies the internal workings of animal anatomy and physiology such as the digestive system, reproductive system, and circulatory system. You will conduct experiments and dissections to help fully understand the functions of these systems. Throughout the year we will highlight careers in animal science, animal health, and management practices for the care and maintenance of animals. This class is for you if you enjoy working with animals and are interested in learning more about animal species differences and how animals are used in agriculture.

- Suggested Grade Levels: 10-12
- Recommended Prerequisite: Fundamentals of Agricultural Science and Business
- A two-credit/ two-semester course.

- Prerequisite for ALS Animals Course
- Counts as a Directed Elective or Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas
-

Food Science (ROTATION YEAR 1)

144

1 Credit Grades 10-12

This year long course provides an overview of food science and its importance. Introduction to the principles of food processing, food chemistry, nutrition, food packaging, food commodities, food regulations, and careers in the food science industry will help you understand the role which food science plays in the securing of a safe, nutritious, and adequate food supply. Everyone should learn about how food is created and what food will be like in the next century. The class is project-based along with laboratories, team building, and problem solving activities to enhance your hands-on learning. This class is for you if you are interested in the behinds the scenes world of where food comes from and all the stops it takes along the way.

- Suggested Grade Levels: 11-12
- Recommended Prerequisite: Fundamentals of Agricultural Science and Business
- Counts as a Directed Elective or Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

Plants and Flowers 101 (Horticultural Science) (ROTATION YEAR 1)

146A-146B

2 Credits Grades 10-12

This year long course focuses on the growth and production of plants including flowers, crops, and household plants. It is designed to give the students a background in the field of horticulture. The class is very hands-on with use of the high technical greenhouse laboratory focusing on the production, processing, and marketing of horticultural plants and products. The student will produce a greenhouse crop to sell to the public. As the students produce the crop, they will study the following topics: reproduction and propagation of plants, plant growth, growth media, greenhouse production, marketing concepts, and pest management. Students will also study and practice landscape management. This class is for you if you enjoy working with plants and flowers and are interested in the ins and outs of running a greenhouse.

- Suggested Grade Levels: 10-12
- Recommended Prerequisite: Fundamentals of Agricultural Science and Business
- Counts as a Directed Elective or Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas.
- Offered for Dual Credit with Ivy Tech Community College

Advanced Life Science Animals (ALS Animals) (ROTATION YEAR 1)

157A-157B

2 Credits Grades 11-12

ALS Animals is a yearlong hands-on advanced animal science course that counts as a Core 40 Science Elective. College Dual Credit with Purdue University is offered with the course. In the ALS Animals class we investigate the biology and chemistry of animals, starting on a cellular level and moving to animal organ systems, animal motor functions, animal reproduction, and animal nutrition. We also compare and contrast livestock and companion animal physical make-up. The class is lab based with numerous dissection labs. This class is right for you if you are interested in studying animal science or veterinary science in post-secondary education or if you are exploring inner workings of animals.

- Suggested Grade Levels: 11-12
- Required Prerequisite: Animal Science, or Permission by Teacher
- Recommended Courses Before Taking: Biology and Chemistry
- A two semester course, one credit per semester
- Fulfills a Core 40 Life Science requirement for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas or counts as an Elective or Directed Elective for any diploma
- Optional College Dual Credit with Purdue University that will transfer to Ivy Tech

Advanced Agriculture Mechanics (ROTATION YEARS 1)

136A-136B

2 Credits Grades 11-12

Prerequisite: Agricultural Mechanization

This two-semester course is project based and continues the development of those skills learned in Agricultural Mechanization I.

Courses offered in next years Rotation are Fundamentals of Agriculture, ALS Plants, Animal Science, Agriculture Mechanics, Natural Resources, Agribusiness Management, and Leadership.

ART

All Art courses meet Core 40 and Academic Honors Diploma requirements.

The course **Introduction to 2-D Art** is a prerequisite for all other art courses.

Introduction to 2-Dimensional Art

(111)

1 Credit Grades 9-12

Each student will produce portfolio quality artwork using various media such as: printmaking, pen and ink, wire, cardboard, etc. Each week a study on an artist in history will further their appreciation of the artists and the skill it takes to produce artwork. Each student will participate in formal and informal critiques based on historical and student artwork. Each student will learn to use the elements and principles of design to evaluate artwork and create their own. Each student will participate in discussions and exercises about visual aesthetics as it is reflected in the ever-changing world of art to further their knowledge and understanding of the visual arts. Students identify art-related careers.

Introduction to 3-Dimensional Art

(125)

1 Credit Grades 9-12

Prerequisite: Introduction to 2-D Art

Students will produce portfolio quality sculptures using various media such as: ceramic, plaster, wire, wood etc. Each week a study on a sculptor in history will further their appreciation of the artists and the skill it takes to produce 3-dimensional artwork. Students will produce a presentation on a featured piece of artwork, becoming an expert on the specific piece and in turn reproducing it to be displayed. Students will participate in formal and informal critiques based on historical and student artwork. In these critiques, students will continue to use the elements and principles of design to evaluate artwork and create their own. Each student will also participate in discussions and exercises about visual aesthetics as it is reflected in the ever-changing world of art to further their knowledge and understanding of the visual arts. Students identify art-related careers.

Advanced 3-Dimensional Art

(126)

1 Credit Grades 10-12

Prerequisite: 3-Dimensional Art I

Students will continue producing challenging, portfolio quality sculptures using various media such as: ceramic, plaster, wire, wood etc. Each week a study on a sculptor in history will further their appreciation of the artists and the skill it takes to produce 3-dimensional artwork. Students will participate in formal and informal critiques based on historical and student artwork. In these critiques, students will continue to use the elements and principles of design to evaluate artwork and create their own each student will also participate in discussions and exercises about visual aesthetics as it is reflected in the ever-changing world of art to further their knowledge and understanding of the visual arts. Students continue to identify art-related careers.

Drawing I

(113)

1 Credit Grades 9-12

Prerequisite: Introduction to 2-D Art

Each student will produce portfolio-quality figure drawings, self-portraits, and still life in graphite and charcoal. A sketchbook will be kept on a weekly basis in order to build skills in shading, perspective, and creative composition using elements and principles of design. Students will search for meaning and direction in their work by writing and expressing critiques of historical and contemporary works of art. Students will evaluate their own drawings and those of others in the context of personal questions about the nature of art, reflections on the changing definitions of art, and connections between drawing and other disciplines.

Drawing II

(114)

1 Credit Grades 10-12

Prerequisite: Introduction to 2-D Art & Drawing I

Each student will produce portfolio-quality drawings in ink, colored pencil, and graphite. A sketchbook will be kept on a weekly basis in order to build skills in shading, perspective, and creative composition using elements and principles of design. Students will search for meaning and direction in their work by writing and expressing critiques of historical and contemporary works of art. Students will evaluate their own drawing and those of others in the context of personal questions about the nature of art, reflections on the changing definitions of art, and connections between drawing and other disciplines.

Drawing III

(115)

1 Credit Grades 10-12

Prerequisite: Drawing I & Drawing II

Each student will produce portfolio-quality drawings and prints in colored ink, intaglio, and graphite. A sketchbook will be kept on a weekly basis in order to build advanced skills in shading, perspective, and creative composition using elements and principles of design. Students will search for meaning and direction in their work by writing and expressing critiques of historical contemporary works of art. Students will evaluate their own drawings and those of others in the context of personal questions about the nature of art, reflections on the changing definitions of art, and connections between drawing and other disciplines.

Studio Art-Drawing Portfolio: Advanced Placement

(122A-122B)

2 Credits Grades 10-12

This is a weighted course.

Prerequisite: C or better in Drawing I and in most recent Drawing course taken, and a signed contract.

Based on the content established by the College Board, this course is designed for students seriously interested in the practical experience of art. Portfolios are designed for students who are seriously interested in the practical experience of art. The Drawing Portfolio is designed to address a very broad interpretation of drawing issues and media with mark making the most important of these. Any work that makes use of photographs, published images and/or other artists' work must show substantial and significant development beyond duplication. A significant body of artwork will be required for the portfolio; students will be expected to work several hours per week outside of class. AP Studio Art is not based on a written examination; instead, students submit portfolios for evaluation at the end of the school year. The AP program is a cooperative endeavor that helps students complete college-level courses and permits colleges to evaluate, acknowledge, and encourage that accomplishment through the granting of appropriate credit and/or placement.

Studio Art-2 D Design Portfolio: Advanced Placement

(123A-123B)

2 Credits Grades 11-12

This is a weighted course.

Prerequisite: C or better in Studio Art: Drawing Portfolio Advanced Placement and a signed contract.

Based on the content established by the College Board, this course is designed for students who are seriously interested in the practical experience of art. This portfolio is intended to address two-dimensional (2D) design issues. Design involves purposeful decision making about how to use the elements and principles of art in an integrative way. The principles of design articulated through the visual elements help guide artists in making decisions about how to organize the elements on a picture plane in order to communicate content. Any work that makes use of photographs, published images and/or other artists' work must show substantial and significant development beyond duplication. A significant body of artwork will be required for the portfolio; students will be expected to work several hours per week outside of class. AP Studio Art is not based on a written examination; instead, students submit portfolios for evaluation at the end of the school year. The AP program is a cooperative endeavor that helps students complete college-level courses and permits colleges to evaluate, acknowledge, and encourage that accomplishment through the granting of appropriate credit and/or placement.

Painting I

(117)

1 Credit Grades 10-12

Prerequisite: Intro. to 2 D Art, Drawing I

Each student will produce portfolio-quality paintings in acrylics and tempera. A sketchbook will be kept on a weekly basis in order to build skills in perspective, creative composition using elements and principles of design, and color mixing in a variety of values and intensities. Students will search for meaning and direction in their work by copying, researching, and critiquing historical and contemporary works of art through cooperative and peer learning. Students will evaluate their own paintings and those of others in the context of personal questions about the nature of art, reflections on the changing definitions of art, and connections between painting and other disciplines.

Painting II

(118)

1 Credit Grades 11-12

Prerequisite: Painting I

Students produce portfolio-quality paintings in acrylic and watercolors. A sketchbook will be kept on a weekly basis in order to build advanced skills in perspective, creative composition using elements and principles of design, and color mixing in a variety of values and intensities. Students will search for meaning and direction in their work by copying, researching, and critiquing historical and contemporary works of art through cooperative learning and peer teaching. Students will evaluate their own paintings and those of others in the context of personal questions about the nature of art, reflections on the changing definitions of art, and connections between painting and other disciplines.

Painting III

(119)

1 Credit Grades 11-12

Prerequisite: Painting II

Each student will produce portfolio-quality paintings in a variety of painting media. A sketchbook will be kept on a weekly basis in order to build advanced skills in perspective, creative composition using elements and principles of design, and color mixing in a variety of values and intensities. Students will search for meaning and direction in their work by copying, researching, and critiquing historical and contemporary works of art through cooperative learning and peer teaching. Students will evaluate their own paintings and those of others in the context of personal questions about the nature of art, reflections on the changing definitions of art, and connections between painting and other disciplines.

Photography

(120)

1 Credit Grades 9-12

Prerequisite: Introduction to 2D Art.

Students in media arts 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 photographs using digital methods, utilizing a variety of equipment (DSLR, computers and printers). They will learn how to properly compose their subjects using the structures and functions of design as well as learn to use creative techniques for different results. Students will learn how to finish prints for their portfolios and for display in a student art show. They will use professional software to enhance photographs, produce freehand graphics, and construct a digital portfolio. Course content relates directly to specific jobs available in technical, artistic, graphic and industrial careers. Students are encouraged to bring their own person digital camera for class work. Those who do not own cameras will be required to share with other students to complete assignments. Students utilize the resources of art museums, galleries and studios and identify art-related careers.

Advanced Photography (Digital Design)

(121)

1 Credit Grades 10-12

Prerequisite: Introduction to 2D Art and Photography

Students in Advanced Photography / Digital Design engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production. They continue the creation of portfolio quality works. Students create photographs and short animations using digital and traditional methods, utilizing a variety of equipment (digital cameras, the portrait studio, computers, and printers). They continue to master composing their subjects using the structures and functions of design as well as learn to use creative techniques for different results. Students will also how to use portrait studio lighting for photographing a range of subject matter (portrait & marketing photography). Students will also learn how to finish prints for their portfolios and to be displayed in a student art show. They will use Adobe (Photoshop, Illustrator and Flash) software to enhance photographs, produce freehand graphics, create short animations and construct a digital portfolio. Course content relates directly to specific jobs available in the technical, artistic, graphic and industrial careers. Each student will be given a flash drive with his/her complete works upon completion of this course. Students utilize the resources of art museums, galleries and studios and identify art-related careers.

BUSINESS

The Business Department course selections serve a dual purpose in preparing students for careers in a competitive global economy and equipping them with proficiency in personal finance and business. The information age has ushered in an era where most jobs in the workforce will require competency with computers.

Digital Communication Tools

(220)

1 Credit Grades 9-12

Digital Communication Tools is a course that prepares students to use computerized devices to effectively handle communications. Students will develop proficiency using a variety of computer input and output technologies including speech recognition software, Palm Pilots and digital pens in addition to refining their basic touch keyboarding skills.

Computer Applications

(221)

1 Credit Grades 9-12

Prerequisite: Computer proficiency as demonstrated by a previous computer course or the Digital Communications Proficiency test. Enhance your computer literacy skills and cyberspace savvy with Computer Applications. Students will work with e-mail, Internet, web pages, graphics, and animation. The class will also cover word processing, spreadsheets, databases, and an introduction to desktop publishing.

Computer Applications: Advanced

(222)

1 Credit Grades 9-12

Prerequisite: Computer Applications

In Computer Applications: Advanced, students will continue to develop skills using Microsoft Office software. Students will learn more advanced features in Word, Excel, Access, and PowerPoint. This software is used by many businesses and will help students in the workplace and in education

Web Design I

(219A-219B)

2 Credits Grades 10-12

Prerequisites: C or better in any previous high school computer course.

Students will learn about today's hottest multimedia applications. Student projects incorporate graphics, animation, web sites, presentation graphics software, and digital video. Adobe Creative Suite 3 Software is used which includes Fireworks, Flash, and Dreamweaver. PowerPoint and Movie Maker will also be used to create professional presentation projects. An electronic portfolio will be created at the end of second semester. Proper design approach for constructing Web sites and related techniques will also be a focus.

Web Design II

(214A-214B)

2 Credits Grades 11-12

Prerequisites: C or better in Web Design 1 and approval of instructor

Web Design 2 is an advanced level business course designed for the college bound student or student interested in web design or graphic design. Emphasis will be placed on Internet usage and the development styles of professional web sites. Upon completion of web design training, students will develop and maintain web pages for FCHS throughout the year. Various software programs including the Adobe Creative 3 Suite will be used to work with computer graphics, digital pictures, and XHTML files.

Business Foundations

(212A-212B)

2 Credits Grades 9-10

Business Foundations is designed to help the student understand how to meet the challenges of the business world in which he or she lives. This course acquaints students with business principles, personal finance, communications, management, marketing, law, insurance, investing, entrepreneurship, and business careers. Instructional strategies may include computer applications, simulations, projects, and teacher demonstrations.

Accounting I

(231A-231B)

2 Credits Grades 10-12

Accounting I provides the students with an opportunity to develop the skills and techniques needed to record and interpret the financial history of a business. The terms and concepts learned in accounting I would help students in any career. All businesses and non-profit organizations use accounting to keep track of their money, supplies, and merchandise. Semester one will cover the basic accounting equation and cycle as they apply to both a service business and a merchandising company. Semester two will cover payroll systems, special journals, and taxes as they apply to sole proprietorships, partnerships and corporations. A business simulation will be completed.

Business and Personal Law

(243A-243B)

2 Credits Grades 11-12

Business Law is a business course that provides the basic foundation of the legal system. The course will cover a brief history of law in the United States, consumer rights and obligations, contractual agreements, civil and criminal law, property law, and domestic relations law. The second semester is highlighted with a mock civil trial in which the students act as defense and prosecution and compete for the jury's verdict. Additional instructional strategies may include case studies, field trips, guest speakers, and computer applications.

Entrepreneurship Academy I

(248A-248B))

2 Credits Grades 11-12

Prerequisite: Marketing Foundations is suggested but not required.

Entrepreneurship is a specialized business course designed to provide students the skills needed to effectively organize, develop, create, and manage their own business. Students will develop a written business plan for a business of their choice. Instructional strategies may include a school-based enterprise, computer/technology applications, real and/or simulated occupational experiences, and projects in the marketing functions. Enrollment in this course will require meeting contractual obligations involving actively participating in the operation of the FCHS Spirit Shop, which will require participation outside of the normal school hours.

Entrepreneurship Academy II

(250A-250B)

2 Credits Grades 11-12

Prerequisite: C or better in Entrepreneurship Academy 1 and approval of instructor

Entrepreneurship is a specialized business course designed to provide students the skills needed to effectively organize, develop, create, and manage their own business. This course includes hands-on experience which will require participation outside the normal school hours. Students will expand upon the business plan for written in Entrepreneurship 1. The students will also explore the managerial issues associated with running a small business. This will be done through case studies as well as operation of the FCHS Spirit Shop. Instructional strategies may include a school-based enterprise, computer/technology applications, real and/or simulated occupational experiences, and projects in the marketing functions. Enrollment in this course will require meeting contractual obligations involving actively participating in the operation of the FCHS Spirit Shop, which will require participation outside of the normal school hours.

Marketing Foundations

(249A-249B))

2 Credits Grades 10-12

Marketing is a business course that provides a basic introduction to the scope and importance of marketing in the global economy. This course is based on the Marketing Education Framework which includes: business, management, and entrepreneurship; communication and interpersonal skills; economics; and professional development foundations. Emphasis will be placed on both oral and written communications, mathematic applications, problem solving, and critical thinking skills as they relate to distribution, financing, marketing-information management, pricing, product/service management, promotion, and selling. Instructional strategies may include computer/technology applications as well as real and/or simulated occupational experiences and projects in the marketing functions. Students may earn *Free College Credit* through Ivy Tech(MKTG 101) if the student earns at least a "C" and passes a test administered by Ivy Tech.

Sports, Recreation and Entertainment Marketing

(224A-224B)

2 Credits Grades 11-12

Recommended prerequisite: Marketing

This is a specialized marketing course providing students with the opportunity to apply marketing principles in the fields of Sports, Recreation and Entertainment. Students will produce and market activities for athletic and entertainment programs at the high school. A plan to increase attendance and support for athletic and entertainment (music and theatre) functions in the schools may be developed. The class may research and work with the private sector and community to help market recreation and entertainment programs. Instructional strategies may include computer/technology applications, event planning, real and/or simulated occupational experiences, and projects in the marketing functions.

Personal Finance

(223)

1 Credit Grades 11-12

This course focuses on personal financial planning. The content includes financial planning, income and asset protection, income and money management, and spending and credit management. Students will learn the financial concepts and principles that provide a basis for avoiding financial pitfalls. This course prepares students for the roles and responsibilities of consumers, producers, entrepreneurs and citizens. Instructional strategies will include simulations, guest speakers, tours Internet research, and business experiences.

Economics

(940)

1 Credit Grade 11-12

This course is required for both the Core 40 and Academic Honors Diploma.

Economics is a one semester elective course. The course includes units in both macro economics and micro economics. Such fundamental concepts as market, demand, supply, price, budget, and production are presented in this course. The material is closely related to top current economic trends. Due to the nature of this elective, community resources are used quite often.

Business Department Dual Enrollment Program Through IUPUI

The FCHS Business Department will offer these courses for both high school and college credit. CITIDOE is an educational partnership between the Computer Information Technology Department at IUPUI and the Indiana Department of Education. High school students can pursue on-line college-level courses taught by IUPUI faculty at their local high school instead of coming to campus. High school business teachers serve as facilitators to oversee and monitor student progress. In order to enroll in the program, high school students need to apply to IUPUI's SPAN CyberTEEN honors program. Follow these instructions:

This application is found at <http://uc.iupui.edu/SPAN>

- Select *Cyberteens* tab.
- On the left side, click on *Apply for CITIDOE*.
- Print the application then type or use good handwriting to complete it.
- Select the course (see approved courses listed below).

- Obtain signatures of high school instructor and guidance counselor
- Attach a transcript.
- Submit completed application to: Coordinator, SPAN Program, 518 Indiana Avenue, Indianapolis, IN 46202-5164
- No application fee required, however, tuition is required. This tuition will be at a 50% rate of the regular tuition.

Special Notes:

- Tuition and books are the responsibility of the student.
- Students are expected to follow the IUPUI calendar.
- Students are allowed same rights and privileges as regular IUPUI college students for parking, use of facilities, etc.

Courses approved for Dual Enrollment at FCCHS

CIT 106 Using a Personal Computer

1 FCCHS Credit, College Credit through IUPUI

Grades 10-12

Special Permission required. Students who have credit in Computer Applications or Pathways may not take this course.

This is an introduction to word processing, spreadsheet, database development and graphical presentation software. It also includes instruction in the use of Windows operating systems, the Internet and email. Applications are taught through the use of problem solving tutorial assignments, projects, and tests.

CIT 112 Information Technology Fundamentals

1 FCCHS Credit, College Credit through IUPUI

Grades 11-12

Prerequisite: Computer Applications or Pathways/Computer credit.

This web-based course provides students with a working knowledge of the terminology, processes, and components of information systems development; hands-on experiences with the internet; and application of state-of-the-art software.

CIT 140 Programming Constructs Lab

1 FCCHS credit, College Credit through IUPUI

Grades 11-12

Prerequisite: CIT 112 or CIT 212

This course is an introduction to problem-solving techniques, program design and development, programming logic, object-oriented terminology and concepts. The course covers utilization of both mainframe and personal computers using Visual Basic.NET, including both lab work and exams.

CIT 212 Web Site Design

1 FCCHS credit, College Credit through IUPUI

Grades 11-12

Prerequisite: CIT 112

This course is designed to give students a basic look at web page and site creation. The course involves learning current standard HTML fundamentals, design concepts, links, anchors, use of color, placing graphics, utilization of tables, images, maps, the structures and search engines. The proper design approach for constructing Web sites and related techniques will also be a focus.

FAMILY AND CONSUMER SCIENCES

HEALTH credit: The Health and Wellness credit may be fulfilled if a student receives credit in **THREE** of the following courses: Interpersonal Relationships I, Child Development and Parenting, Nutrition and Wellness, Family Wellness, Adult Roles and Responsibilities. All courses are 1 semester unless otherwise noted.

Note: In addition to book rental, some courses require an extra fee for projects.

Child Development and Parenting I

(511)

1 Credit Grades 9-12

This course addresses the knowledge, skills, and attitudes associated with the development of infants and children. Topics will include the physical, social, emotional, intellectual, and moral development; basic needs through the ages and stages of childhood; prenatal development; the impact of heredity, home, and community environments; impact of family crises; infants and children with special needs; roles, responsibilities, and challenges of parenthood; deciding when to parent; parenting and nurturing practices and skills that support positive development; and meeting food, clothing, shelter, and care-giving needs of infants and children.

Advanced Child Development

(516)

1 Credit Grades 9-12

Prerequisite: Child Development and Parenting I

This sequential course addresses more complex issues of child development and early childhood education with emphasis on guiding

physical, social, emotional, intellectual, moral, and cultural development throughout childhood, including school age children. Topics include positive parenting and nurturing across ages and stages; practices that promote long-term well-being of children and their families; developmentally appropriate guidance and intervention strategies with individuals and groups of children; accessing, evaluating, and utilizing information, including brain/learning research and other research results; meeting needs of children with a variety of disadvantaging conditions; and exploration of “all aspects of the industry” for selected child related careers.

Nutrition and Wellness I

(512)

1 Credit Grades 9-12

This class is designed to help young people acquire competency in planning, marketing, preparing and serving foods. Emphasis is placed on nutrition; management of time, materials and equipment; and consumer problems.

Advanced Life Science: Foods

(509A-509B)

2 Credits Grades 11-12

Prerequisite: Two years of science. This course may be used as the elective science for the Core 40 and Academic Honors Diploma.

This course integrates biology, chemistry and microbiology in an agricultural context. Students formulate, design and implement food-based laboratory and field investigations as an essential course component. Students understand how biology, chemistry and physics principles apply to the composition of foods; food nutrition and development; food processing and storage.

Advanced Foods and Nutrition

(527)

1 Credit Grades 10-12

Prerequisite: Nutrition and Wellness I

This course highlights the interests and talents of the students. It includes a review of management in preparation of food, outdoor cookery, foreign foods, special diets and weight control, nutrition and family meals, entertaining and catering, and experimental cookery. Special field trips and research projects are also included.

Fashion and Textiles Foundations: Clothing I

(515)

1 Credit Grades 9-12

This course addresses knowledge and skills related to design, production, acquisition, and distribution in fashion and textiles areas. Topics include exploration of textiles and fashion industries; elements of science and design in textiles and apparel; textiles principles and applications; social, psychological, cultural and environmental aspects of clothing selection; clothing and textile products for people with special needs; critical thinking applied to consumer options for fashion, textiles, and related construction and alteration skills; contemporary issues, including global applications.

Advanced Fashion and Textiles Foundations: Clothing II

(520)

1 Credit Grades 9-12

Prerequisite: Fashion and Textiles: Clothing I

This course continues with more difficult construction techniques and alteration skills. The study of contemporary issues and global applications will be more complex. Volunteerism projects will be emphasized.

Interpersonal Relations I

(513)

1 Credit Grades 9-12

This course introduces the knowledge, skills, attitudes and behaviors all students need to participate in positive, caring, and respectful relationships in the family, at school, in the community and in the workplace. Students will practice higher order thinking, communication, leadership and the management process as they study individual and family issues. Topics include conflict management, goal-setting, decision making, preventing and managing stress, addressing violence and abuse and self-image through healthy relationships. Applications will be made through authentic setting like volunteer experiences.

Interpersonal Relations II/Family Relations

(522)

1 Credit Grades 10-12

Emphasis is placed on understanding the function of the family. Individual qualities which are essential for living effectively with others and which contribute to a successful marriage are stressed. Students have an opportunity to recognize problems and decisions confronting young people planning to be married and to develop realistic sets of expectations concerning the marriage relationship. A mock wedding is planned. This subject provides students with an opportunity to become aware of the responsibilities of a family life, marriage, and parenthood, as well as the inter-dependence of the individual to the family and the family to society.

Human Development and Family Wellness

(521)

1 Credit Grades 10-12

This course addresses development and wellness of individuals and families throughout the life cycle. Topics includes human development and wellness theories, principles and practices of wellness; responsibilities and functions of families and family members; management of illnesses and disease; stress and family crisis issues and exploration of human and family services careers.

Housing and Interior Design Foundations

(523)

1 Credit Grades 10-12

Learn how to decorate your dwelling. Emphasis is placed on gaining an understanding of the social, psychological and physical factors influencing the choice of housing. Major application of art principles is made relevant to the selection of wall coverings, floor coverings, window treatments, furniture and accessories used in the home. Through a major class project, skill is developed in the selection, financing, care, furnishing, and interior decorating of a home. A project will be assigned to utilize higher order thinking, communication, leadership and management processes.

Early Childhood Careers I (Preschool/Daycare Careers)

(530)

2 Credits Grades 11-12

Prerequisite: Child Development/ Parenting I and Advanced Child Development

This semester-long course prepares students for employment in preschools and daycare facilities. Topics include: planning and guiding developmentally appropriate activities for young children; appropriate practices of guidance and discipline; application of basic health and safety principles when working with children; overview of management and operation of licensed child care facilities or education settings; Indiana state child care regulations and licensing requirements; and employability skills. Intensive experiences in one or more child care or preschool laboratories, resumes, and career portfolios are expected. Students must supply their own transportation for this class.

Adult Roles and Responsibilities

(525)

1 Credit Grades 11-12

The focus of this course is on becoming independent, contributing, and responsible participants in family, community, and career settings. Topics include: living independently, analysis of personal standards, needs, aptitudes, and goals; integration of family, community, and career responsibilities; consumer choices and decision making related to nutrition and wellness, clothing, housing, and transportation; financial management; relationship of technology and environmental issues to family and consumer resources; and community roles and responsibilities of families and individuals. This course is recommended for ALL students regardless of their career choice, in order to build skills needed for assuming the roles and responsibilities they will encounter as they prepare to complete high school and enter the adult world.

Consumer Economics

(510)

1 credit Grades 9-12

Learn how to use money wisely. Students will focus on interrelationships among economic principles and individual and family roles of consumer, producer, saver, investor and citizen. Economic principles to be studied include scarcity, supply and demand, market structure, the role of government, money and the role of financial institutions, labor productivity, economic stabilization and trade. Students will experience making consumer and financial decisions. This course may count as a social studies elective for the general diploma.

HEALTH-PHYSICAL EDUCATION

NOTE: A lock rental fee will be added to all Physical Education courses.

. ALTERNATIVE CREDIT FOR PHYSICAL EDUCATION.

The Indiana State Board of Education has provided flexibility to adapt the high school physical education requirements for students who demonstrate proficiency through other means. Schools are allowed to use multiple means of determining proficiency for students completing the required Physical Education I and II courses. The Indiana Academic Standards for Physical Education will still be required but schools have more flexibility in adapting the PE curriculum. FCHS is committed to providing flexibility to enhance the overall learning experience.

One credit will be given for a complete season of an FCHS sponsored IHSAA sanctioned sport (freshman, reserve, or varsity), cheerleading, marching band/fall color guard, boys volleyball, bowling, or dance, all of which is within the framework of lifetime physical activities and fitness. A student may use a sport or activity only once. For example, a football player may only use football once, a second waiver would require a different sport or approved activity.

The two options for earning alternative credit for PE are as follows:

- 1) The student participates in an approved FCHS sport/activity and chooses to take weights and conditioning as the means for earning his/her PE credit(s).
- 2) The student participates in an approved FCHS sport/activity and chooses to opt out of PE (does not enroll in weights and conditioning). If this is the case, the student will be required to meet periodically with the approved PE teacher to demonstrate

proficiency in the Indiana Physical Education Academic Standards. In addition, the student will need to pass a mid-term and summative exam that will test physical fitness and complete at least three activity logs.

Please read the entire packet of information before choosing to sign up for the waiver. There are several requirements that must be met to qualify to sign up for the waiver.

Secondary Physical Education I and II

(551A-551B Boys; 553A-553B Girls)

2 Credits Grade 9 One credit of PE may be obtained through the Alternative Credit method.

Two semester credits in Physical Education classes are required for graduation for both boys and girls. The overall goal of Physical Education is to help students develop lifelong skills that include regular vigorous exercise. Physical Education classes encourage students to assume responsibility for their own health and well being through an active lifestyle. Through observation, analysis and practice, students develop movement skills appropriate to their developmental stage. They participate in a variety of individual fitness activities, dual and team sports. They demonstrate responsible behavior and respect for differences among people in physical activity settings. Students understand that physical activity provides the opportunity for enjoyment, challenge, self-expression, and social interaction.

Adaptive Physical Education I and II

(550A-550B)

2 Credit Grades 9-12

Adapted Physical Education is a course for students with disabilities who may not safely and/or successfully be capable of completing the vigorous activities of General Physical Education I and/or II. The course is a diversified program of developmental activities, games, sports, and rhythms suited to the interests, capacities, and limitations of students with disabilities.

Health and Wellness

(554)

1 Credit Grades 10-12

This one semester course is required of all students for graduation. (See note in Family and Consumer Sciences page 13). Course content includes the major content areas in a planned, sequential, comprehensive health education curriculum as expressed in the Indiana Health Education Proficiency Guide: (1) Growth and Development; (2) Mental and Emotional Health; (3) Community and Environmental Health; (4) Nutrition; (5) Family Life Education; (6) Consumer Health; (7) Personal Health; (8) Alcohol, Tobacco, and Other Drugs Education; (9) Intentional and Unintentional Injury; and (10) Health Promotion and Disease Prevention.

Elective Physical Education: Weights and Conditioning

(531A-531B)

1 Credit Grades 9-12

Prerequisite: Successful completion of secondary Physical Education I & II or this class may be used to fulfill one of the requirements of the waiver for Secondary Physical Education I and II. (see explanation at beginning of the HEALTH-PE section).

This course is specifically designed to meet the needs of student athletes by developing the various qualities that play a part in athletic competition with the goal of achieving maximum performance. The program seeks to reduce the risk of injuries during practice and competition and to improve the power, agility, quickness, flexibility, muscular strength and endurance of the athlete.

Elective Physical Education: Co-Ed Individual Sports

(561)

1 Credit Grades 10-12 This course may not be repeated.

Prerequisite: Successful completion of PE I and II. Students with PE grades lower than a C must obtain teacher permission. This course is to be taught in an atmosphere to meet the needs and capabilities of the competitive student athlete. The focus of this course is on skill and knowledge development in a variety of individual sports including tennis, table tennis, golf, badminton, cornhole, and archery. Students will learn basic rules, terminology, strategies, and tactics of these sports. Emphasis is placed on improving personal fitness while fine-tuning athletic skills and developing new relationships.

Elective Physical Education: Co-Ed Team Sports

(562)

1 Credit Grades 10-12 This course may not be repeated.

Prerequisite: Successful completion of PE I and II. Students with PE grades lower than a C must obtain teacher permission

This course is to be taught in a team-structured atmosphere to meet the needs and capabilities of the competitive student athlete. Focus of this course is on skill and knowledge development in a variety of team sports including basketball, flag football, soccer, softball, volleyball, indoor hockey and razzle dazzle. Students will understand basic rules, terminology, strategies, and tactics of these sports. Emphasis is placed on improving personal fitness while fine-tuning athletic skills and developing new relationships.

LANGUAGE ARTS

All Language Arts courses meet Core 40 and Academic Honors Diploma requirements.

GRADE 9

9th graders are required to complete one of the following courses to fulfill the 9th grade English requirement.

English 9

(300A-300B)

2 Credits Grade 9

This course is a two-semester, two credit course for 9th graders which integrates the study of language, literature, writing and oral communication. Students further develop their use of language as a tool for learning and thinking and as a source of pleasure. In the literature component, students read and comprehend a broad variety of literature applying appropriate reading strategies to enhance reading skills and literary appreciation while developing vocabulary and word attack skills. In the composition component, students will strengthen their writing skills by using the tools of Power Writing and by practicing the *6+1 Traits of Good Writing*. Students will use technology to create multiple types of writing for various audiences and purposes. Integrated with the writing are the study of grammar, usage, spelling and language mechanics. In the oral communication component, students will practice effective listening and speaking techniques through a variety of formal and informal presentations.

English 9 Honors

(301A-302B)

2 Credits Grade 9

Prerequisites: At least ONE of the following:

- 1.70% (C) or higher in BOTH semesters of 8th grade Advanced English.
- 2.NWEA Reading Score of 227 or above AND NWEA Language score of at least 227.
3. ISTEP Language score of Pass+
- 4.Permission from FCHS English Department Chairperson after conference involving parents.

This course is a two-semester, two credit course for 9th graders who desire a more demanding language arts experience. This course integrates the study of language, literature, writing and oral communication. Students further develop their use of language as a tool for learning and thinking and as a source of pleasure. This course includes a more comprehensive and faster-paced study of literature than English 9. In the literature component, students read and comprehend a broad variety of literature including several more short stories, a wider range of poetry and one more novel than English 9. The students will apply appropriate reading strategies to enhance reading skills and literary appreciation while developing vocabulary and word attack skills. In the composition component, students will also strengthen their writing skills by using the tools of Power Writing and by practicing the *6+1 Traits of Good Writing*. Students will use technology to create multiple types of writing for various audiences and purposes. The composition component involves several more writing experiences than English 9. Integrated with the writing are the study of grammar, usage, spelling and language mechanics. In the oral communication component, students will practice effective listening and speaking techniques through a variety of formal and informal presentations.

GRADE 10

10th graders are required to take one of the following courses to fulfill the 10th grade English requirement.

English 10

(302A-302B)

2 Credits Grade 10

The course is a two-semester, two-credit course for 10th graders, which integrates the study of language, literature, composition and communication. It reinforces and continues to make full use of many of the skills of English 9. In the literature component, students will read and respond critically, reflectively and imaginatively to a variety of reading materials representing different genres, cultures, times, authors, themes and forms. In addition, students will be encouraged to take personal time for both instructional and recreational reading. They will distinguish among the different types of contents and purposes language can hold along with developing word attack and vocabulary skills. In the composition component, students will practice using language for different purposes. Students will strengthen their writing skills by using the tools of Power Writing and by practicing the *6+1 Traits of Good Writing*. The course puts a strong emphasis on communication through the various types of writing, including research. Students will create a product using the writing skills, research skills (including using one of the manuals of style such as MLA) and appropriate technology. The formal study of grammar, usage, spelling and language mechanics is integrated into the study of writing. In the oral communication component, the student will be encouraged to develop an effective personal delivery style and to communicate responsibly, critically, and confidently when demonstrating various types of speeches and using technological devices in oral presentations.

English 10 Honors

(303A-303B)

2 Credits Grade 10

Prerequisite: C- or above in English 9 Honors or English 9 with a teacher recommendation.

The course is a two-semester, two-credit course for 10th graders, which integrates the study of language, literature, composition and communication. This course is designed for the 10th grade student whose skills are well developed and who wants to challenge those skills in a more demanding and rigorous setting. In the literature component, students will read and respond critically, reflectively and imaginatively to a variety of reading materials representing different genres, cultures, times, authors, themes and forms. The English 10 Honors student will have a variety of opportunities over and above the English 10 expectations for comparison, evaluation and analysis of the literature. They will distinguish among the different types of contents and purposes language can hold along with developing word attack and vocabulary skills. In the composition component, students will practice using language for different purposes. Students will strengthen their writing skills by using the tools of Power Writing and by practicing the *6+1 Traits of Good Writing*. The course puts a strong emphasis on communication through the various types of writing, including research. Students will create a product using the writing skills, research skills (including using one of the manuals of style such as MLA) and appropriate technology. The written products created in this course will include literary analysis, persuasive essay and creative writing over and above the writing expected in English 10. The formal study of grammar, usage, spelling and language mechanics is integrated into the study of writing. In the oral communication component, the student will be encouraged to develop an effective personal delivery style and to communicate responsibly, critically, and confidently when demonstrating various types of speeches and using technological devices in oral presentations.

GRADE 11

To fulfill the 11th grade English requirement, students are required to complete one of the following yearlong courses.

English 11

(331A-331B)

2 Credits

This course for 11th graders integrates the study of language, literature, composition, and oral communication. Students further develop their use of language as a tool for learning and thinking and as a source of pleasure. The literature component of the course includes an historical survey of American literature that deals with all genres of literature as well as the themes which make literature part of the American experience. Students will respond to the literature critically, reflectively and imaginatively; developing criteria for judging and analyzing the literature using appropriate reading skills and strategies. Students will continue to develop vocabulary through a wide range of skills. In the composition component, students will produce a variety of forms of writing for many different purposes and audiences (literary essay, informative and persuasive writing, and research design) and use appropriate technology to produce written products. Students will strengthen their writing skills by using the tools of Power Writing and by practicing the *6+1 Traits of Good Writing*. The formal study of grammar, usage, spelling and language mechanics is integrated into the study of writing. In the oral communication component, the student will also practice listening and speaking skills in a variety of formal and informal speeches, group activities and presentations. The course will also emphasize preparation for high-stakes testing such as Core 40, SAT and ACT.

English 11 Honors

(330A-330B)

2 Credits

Pre-requisite: C- (70%) or better in English 10 Honors, English 10 with a teacher recommendation.

This course for 11th graders integrates the study of language, literature, composition, and oral communication. Students further develop their use of language as a tool for learning and thinking and as a source of pleasure. English 11 Honors is designed for the student who wants an academic challenge. The literature component of the course includes an historical survey of American literature that deals with all genres of literature as well as the themes which make literature part of the American experience. Students will respond to the literature critically, reflectively and imaginatively; developing criteria for judging and analyzing the literature using appropriate reading skills and strategies. Students will continue to develop vocabulary through a wide range of skills. In the composition component, the students will participate in composition activities which are designed to challenge the student's writing, language use and analysis skills. Students will recognize and practice various rhetorical and persuasive techniques as part of the writing process. The student will create a wide variety of demanding products (literary analysis, informative and persuasive essays, and research design) and use appropriate technology to produce written products. Students will strengthen their writing skills by using the tools of Power Writing and by practicing the *6+1 Traits of Good Writing*. In the oral communication component, the student will also practice listening and speaking skills in a variety of formal and informal speeches, group activities and presentations. The course will also emphasize preparation for high-stakes testing such as Core 40, SAT and ACT.

English11 Language and Composition: Advanced Placement

(339A-339B)

2 Credits Grades 11

This is a weighted course.

Prerequisites: C- or better in English 10 Honors or B- or better in English 10 and a signed contract. Summer reading is required.

This course is based on the content established by the College Board. Students enrolled in AP English Language and Composition will become skilled readers of prose in a variety of periods, disciplines, and rhetorical contexts. Students will become skilled writers who write in a variety of forms- narrative, exploratory, expository, and argumentative- and on a variety of subjects. Students must take an examination designed by the College Board and administered each May at the cost of approximately \$85.00 (subject to change). With successful scores, students may receive college credit and/or placement.

GRADE 12

In addition to English 9, 10 and 11 requirements, all students must complete one of the following:

- Advanced Placement English Literature and Composition.
- English 12
- Two one-semester English elective courses

ENGLISH ELECTIVES

English elective courses continue to refine students' ability and desire to learn and communicate about language and literature. Students will continue to develop judgments informed by literary analysis. They will practice explaining and defending their readings to others, identifying and communicating about the broad themes, trends and cultural issues present in the world. The literature component focuses on opportunities to apply appropriate reading skills and strategies to make and defend judgments about literary works, to respond critically, reflectively, and imaginatively to the literature, and to study themes that relate to mankind's divergent points of view. Students will continue to develop vocabulary through various word attack and vocabulary skills. The composition component provides students with opportunities to hone their writing. Students will write for clearly identified audiences and purposes. Students will continue to strengthen their writing skills by using the tools of Power Writing and by practicing the *6+1 Traits of Good Writing*. Writing at this stage is also well informed by careful research and intelligent analysis. Using technology, students are able to produce polished final documents. The formal study of grammar, usage, spelling, and language mechanics is integrated into the study of writing. The oral communication component continues to emphasize organizational skills, the effective presentation of facts and arguments, the use of logic and reasoning and the use of evidence to support one's thesis in carefully researched and well organized speeches and presentations.

English Literature and Composition: Advanced Placement

(340A-340B)

2 Credits Grade 12

This is a weighted course.

Prerequisites: C- or better in English 11 Honors or AP Language and Composition course or a B- or better in English 11. Students who do not meet the prerequisite can request permission to enroll from the instructor pending the results of a scheduled interview. This course requires summer reading and a signed contract.

This course is based on the content established by the College Board. Students enrolled in AP English Literature and Composition will critically analyze the structure, style, and themes of a representative literature from various genres and periods. Students will also describe the use of elements of language such as figurative language, imagery, symbolism and tone. Students will write well-developed and organized essays that are clear, coherent and persuasive in nature. Students must take an examination designed by the College Board and administered each May at the approximate cost of \$85.00 (subject to change). With successful scores, students may receive college credit and/or placement.

English 12

(341A-341B)

2 Credits Grade 12

This course is open to any senior but is required for any senior who hasn't passed the English portion of the state mandated graduation exam.

This two-semester course builds on the foundation of skills and knowledge already developed through the Indiana State Standards taught in language arts, grades 9-11. Students will analyze literature, judging both quality and content, across genres through reading, writing, listening and speaking exercises. A focus on multiple cultures, themes, and points of view in both reading and writing will ensure diverse learning opportunities for students. Student vocabulary will be challenged and strengthened through reading, both inside and outside of the classroom. Technology will be integral in this course as student produce well-organized, focused, written work as well as prepare for oral presentations that present expository, and other information. Because of the challenging content, students in this class should enroll in both semesters to ensure total grasp of state standards.

Composition(W131,ACP)Pending approval

(343)

1 credit Grade 12

This rigorous course prepares students for writing in a variety of college courses. The focus of the course is on writing from multiple sources to analyze an issue and argue a position. Skills include evaluating sources of information, summarizing sources, adopting a thoughtful position, advancing a clear thesis, and supporting ones views with evidence. In addition to I.U. credit many colleges in Indiana will accept this course.) Please visit the following website to view the colleges that will accept W131.

<http://extended.indiana.edu/site15/index.php?nodeID=transferAccepted>

- Should be on track toward fulfilling the basic academic preparation for admission to a four-year college or university;
- Have minimum SAT scores (500 critical reading, 500 math, not including the critical writing portion of the test) or a composite ACT score of 21 or higher; and
- Have appropriate high school endorsements from teachers and guidance counselors.

3 credit hour ACP courses (Fee: \$259.95)

Books required: *Writing and Reading for ACP Composition* (custom reader)

Writing Analytically, 5th edition

NOTE: Some students will need to enroll in this course before receiving spring SAT scores. If spring SAT scores do not meet the above requirement the student can request a schedule change to Composition (344).

***What is ACP?** The Advance College Project (ACP) is a partnership between Indiana University and participating high schools within the states of Indiana, Ohio, and Michigan. ACP offers college credit to qualified high school seniors who enroll in IU general education courses that are offered at their local high schools during the regular school day and taught by certified high school teachers who hold adjunct lecturer status with Indiana University. ACP courses are administered from the IU Bloomington campus, as well as IU East, IU Kokomo, IU Northwest, IU South Bend and IU Southeast.

Composition

(344)

1 Credit Grade 12

Designed to prepare students for the demands of post-high school writing, this course will provide an in-depth refinement of all stages of the writing process. Students will have frequent opportunities to write for different audiences and for many purposes. Students will participate in peer sharing and constructive feedback. Students will read models of effective writing, providing opportunities for evaluation and discussion. Students will also practice effective strategies for collecting and transforming information into clear, coherent writing. Instruction in grammar, usage and mechanics will be integrated with writing so that students develop an understanding of language and a common vocabulary for discussing writing. Students will use technology to create final forms that follow accepted conventions.

Classical Literature: Legends & Mythology

(357)

1 Credit Grades 10-12

This course surveys Greek and Roman literature. It is designed to acquaint the student with the great stories from Greek and Roman mythology including the Trojan War and superhuman achievements of Odysseus, followed by a survey of Medieval literature focusing on King Arthur, Robin Hood and the great French hero, Roland. The course includes the study of a variety of literary genres, such as drama, poetry, epics, and prose, as well as mythology. The course will also let the student explore the connection and relevancy of this literature to modern literature and to daily life through written discourse, projects, group work, panel presentations and individual presentations.

Etymology

(365)

1 Credit Grades 10-12

A one-semester course designed to use literature and composition to encourage vocabulary growth, understanding and usage. The course provides study of the derivation of English words and word families from their Latin and Greek roots. It also provides a study of the origins and meanings of English words, including roots, prefixes, suffixes, and reasons for language change. The course introduces students to tools and resources for etymological study and encourages them to be curious about the English language. Students will also participate in listening and speaking activities designed to enhance their etymological study. This class is suggested as preparation for the SAT and ACT, therefore preference is given to 10th and 11th grade students preparing to take these tests.

Speech

(353)

1 Credit Grades 11-12

Integrating literature and composition with speaking situations, this course is designed for those students who want to become more confident in all types of speaking situations, from phone conversations to public speaking. Students will practice their composition skills in the creation of various types of speeches, both formal and informal. Students will have the opportunity to present different types of oral presentations such as viewpoint, instructional, informative, persuasive and impromptu. Students not only will give formal speeches, but also will "try their voices" at selling a product and storytelling.

Note: The following courses do not satisfy the requirements for English credit.

Journalism

(375A-375B)

2 Credits Grades 9-12

Prerequisite: Must have at least a C average or better in English.

This two-semester course is a prerequisite for students who wish to obtain newspaper and yearbook staff positions. It emphasizes writing in various journalistic styles and offers training in copy writing (stories), layout, design, headline and caption writing, desktop publishing, photojournalism, public relations, and advertising. This course will briefly introduce students to the history of journalism and journalism law. Students may also have the opportunity to take part in local, state and national conventions.

Student Publications: The Electron FCHS Newspaper

(372A-372B)

2 Credits Grades 10-12

Prerequisite: Students must go through an application process to become a staff member on the school newspaper, *The Electron*, limited to thirty students. Journalism is also a prerequisite. Applications are available in the Publications Office.

This class focuses on honing journalistic writing and editing skills. An editorial board reviews articles submitted for publication. Well-written, informative stories are then printed in the student newspaper. Students study daily newspaper and monthly high school publications from around the state and participate in lively discussions. Students also have the opportunity to take part in local, state, and national conventions. Staff members are expected to research and write articles each month, learn photojournalism skills, learn computer design, sell advertising space, and produce a monthly newspaper.

Student Publications: Kite FCHS Yearbook

(377A-377B)

2 Credits Grades 10-12

Prerequisite: Students must go through an application process to become a staff member on the school yearbook, *Kite*. Journalism is also a prerequisite. Applications are available in the Publications Office. This class focuses on honing journalistic writing and editing skills. The editorial board reviews articles submitted for publication. Well-written, informative stories are then printed and produced in a yearbook. Students also have the opportunity to take part in local, state and national conventions. Staff members are expected to research and write articles, learn photojournalism skills, learn computer design, sell advertising space and produce a yearbook.

Media Arts I: Introduction to Broadcasting

(373A-373B)

2 Credits; Grades 9-12

The main focus of this course is to create a foundational level of broadcasting for the student. The course offers practical training in the writing and creating of television broadcasts. The student will develop skills in communications, journalism, and technology. Along with learning teamwork and cooperative skills, each student will advance his/her creative level of production. The student will practice and develop writing, research, and grammar skills.

Media Arts II: FCTV

(376A-376B)

2 Credits; Grades 10-12

Prerequisite: Media Arts I: Introduction to Broadcasting, application, and instructor approval

Note: This course requires an application, an interview, and instructor approval

This two semester course offers practical training in creating and producing a daily news/feature broadcast. The student will develop skills in communications, journalism, and technology. Along with learning teamwork and cooperative skills, each student will advance his/her creative level of production. The student will practice and develop writing, research, and grammar skills. The high school daily announcements will be generated from this course. Student must successfully complete the first semester of the school year to be able to continue to the second semester. Additional filming and editing are required, beyond regular class time.

**This course will require a significant amount of work outside the classroom*

Media Arts III: FCTV Features

(379A-379B)

2 Credits; Grades 10-12

Prerequisite: Media Arts I: Introduction to Broadcasting, application, and instructor approval.

Note: This course requires an application, an interview, and instructor approval.

The primary focus of this class will be to create feature content for FCTV, the school corporation, and the community. The students will develop skills in communications, journalism, and technology. Along with learning teamwork and cooperation, each student will advance his/her creative level of production. The student will practice and develop writing, research, and grammar skills. Possible outlets for the broadcasts and projects of this course include the local cable access channel, the public library, and the Internet. Students must successfully complete the first semester of the school year to be able to continue to the second semester. Additional filming and editing are required, beyond regular class time

**This course will require a significant amount of work outside the classroom*

Media Arts IV: Advanced Broadcasting

(378A-378B)

2 Credits; Grades 11-12

Prerequisite: Media Arts II: FCTV or Media Arts III and instructor approval.

For those students considering a career or college work in broadcast, this class will focus intensively on the writing, researching, reporting, and production aspects of televised media. The primary elements of the class will be creating broadcasting for the local cable access channel, as well as creating an advanced video portfolio for college. Students must successfully complete the first semester to continue to second semester. Additional filming and editing are required, beyond regular class time.

**This course will require a significant amount of work outside the classroom*

MATHEMATICS

MATHEMATICS COURSE SEQUENCE SEQUENCE I

9 th	Algebra I or Pre Algebra
10 th	Algebra I, Algebra II, or Algebra II Honors
10 th -11 th	Geometry or Geometry Honors
11 th -12 th	Pre-Calculus Honors or Probability/Discrete Math
12 th	AP Calculus or Advanced Math: College Credit, or Probability/Statistics and Discrete Math

SEQUENCE II

9 th	Algebra II, Algebra II Honors or both Geometry Honors and Alg. II Honors (See requirements in course descriptions)
10 th -11 th	Pre-Calculus Honors, Probability/Discrete Math OR AP Calculus
9 th -10 th	Geometry or Geometry Honors OR Pre-Calculus Honors
11 th -12 th	AP Calculus, Probability/Statistics and Discrete Math

Algebra I Courses

Algebra I provides a formal development of the algebraic skills and concepts necessary for students to succeed in advanced math courses. In particular, the instructional program in this course provides for the use of algebraic skills in a wide range of problem-solving situations. The concept of function is emphasized throughout the course. Topics will include: operations with real numbers; linear equations and inequalities; relations and functions; polynomials; algebraic fractions, and nonlinear equations.

Pre Algebra

(713A-713B)

2 Credits (counts as elective credits for any diploma, does not count as math credits) Grade 9

Prerequisite: Students will be placed in this course by teacher recommendation only.

Pre Algebra provides students with instruction designed to prepare students for success in Algebra I

Algebra I

(715A-715B)

2 Credits Grades 9-12

Prerequisite: 9th grade students with less than 70% in one or both semesters of 8th grade 812 (HA) Algebra; 9th grade students in 801 Algebra; 10th -12th grade students who have not passed Algebra I.

Algebra II Courses

Algebra II expands on the content of Algebra I and provides further development of the concept of a function. Topics include: relations, functions and inequalities; conic sections; polynomials; algebraic fractions; logarithmic and exponential functions; sequences and series; and counting principles and probability.

Algebra II: Honors

(719A-719B)

2 Credits Grades 9-12

Prerequisite: A passing score on the Algebra I Core 40 ECA, and a grade of "B-" or better in both semesters of Algebra I.

Algebra II

(723A-723B)

2 Credits Grades 9-12

Prerequisite: passing grade in Algebra I.

*Students may take Alg. II concurrently with Geometry.

Geometry Courses

Geometry students examine the properties of two- and three-dimensional objects. Proof and logic, as well as investigative strategies in drawing conclusions, are stressed. Properties and relationships of geometric objects include the study of points, lines, angles and planes; polygons, with a special focus on quadrilaterals, triangles, right triangles; circles; and polyhedral and other solids. Use of graphing calculators and computer drawing programs is encouraged.

Geometry

(721A-721B)

2 Credits Grades 10-12

Prerequisite: Students who successfully completed both semesters of Algebra II.

Geometry: Honors

(722A-722B)

2 Credits Grades 9-12

Prerequisite: Students with a grade of "B-" or better in both semesters of Algebra I: Honors or Algebra II: Honors or 90% or better grade in both semesters of 8th grade 812 (HA) Algebra AND teacher recommendation.

Pre-Calculus/Trigonometry Courses

Pre-Calculus/Trigonometry blends the concepts and skills that must be mastered before enrollment in a college-level calculus course. The course includes the study of relations and functions; exponential and logarithmic functions; nature of graphs; conics; polynomial functions; complex solutions; data analysis; trigonometry in triangles; trigonometric functions; trigonometric identities and equations.

Pre-Calculus/Trigonometry

(741A-741B) This is a dual enrollment course with IVY Tech.

2 Credits Grades 10-12

Prerequisite: Students with a grade of "C-" or better in both semesters of Algebra II and Geometry.

Pre-Calculus/Trigonometry: Honors

(743A-743B) This course is a dual enrollment course with IVY Tech.

2 Credits Grades 10-12

Prerequisite: Students with a grade of "B-" or better in both semesters of Algebra II: Honors and Geometry: Honors.

Calculus Courses

Calculus is a course that provides students with the content that has been established by the College Board. Generally, topics include functions graphs and limits; derivatives, definite integrals, and techniques of integration involving rational, trigonometric, logarithmic, and exponential functions. The course will also include applications.

Advanced Placement (AP) Calculus

(742A-742B)

2 Credits Grades 11-12

This is a weighted course.

Students are required to take the AP exam in this course. Some summer work and a signed contract is required for this course.

Prerequisite: Students with a grade of C or better in both semesters of Pre-Calculus/Trigonometry: Honors.

This content of this course is determined by the College Board and is intended to be taught on a college level. The traditional topics will be presented in a rigorous manner. This course is for students willing and able to devote a minimum of 7 hours a week to study outside of class.

Advanced Math: Survey of Calculus

(747A-747B) This course is a dual enrollment course with IVY Tech.

2 Credits Grades 11-12

Prerequisite: Students with grades of C- or better in both semester of Honors Pre-Calculus.

This course will provide the student with a brief survey of calculus but is not as advanced as AP Calculus, and is not considered a replacement for AP Calculus. Students may take this class prior to taking the AP Calculus course. Note: Students with credit in AP Calculus or Calculus are not eligible for this course.

Other Mathematics Course

Probability, Statistics and Discrete Mathematics

(745A-745B)

2 Credits Grades 11-12

Prerequisite: Passing grades in both semesters of Geometry and Algebra II.

First semester content will be in Probability and Statistics. Topics include the concepts and skills needed to apply statistical techniques in the decision-making process. Topics include descriptive statistics; probability; and statistical inference. Practical examples based on real experimental data are used throughout. The use of graphing calculators and computer programs is encouraged.

Second semester focuses on Discrete Mathematics. It is a course designed for students who will undertake higher-level mathematics in college that might not include calculus. Topics include counting techniques; matrices; recursion; graph theory; social choice; linear programming, and game theory. Technology, such as computers and graphing calculators, is used frequently.

MULTIDISCIPLINARY EDUCATION

Cadet Teaching

(949A-949B)

1 Credit per semester. Grade 12. Application required. This course meets for two periods per day (including travel time).

This program will be facilitated through the C-9 internship program. (See Central Nine internship program for course description). FCHS will review applications and approve students for this course before the student is enrolled in the C-9 course.

Peer Tutors

(964 A-964B)

2 Credits Grades 10-12

Peer tutoring as a one-semester class but may be taken both semesters. Students will help other students in the Essential Skills program. Critiques over current articles dealing with disabilities and other homework assignments will be used to expand student's knowledge of disabilities. Students are required to socialize appropriately and role model good behavior to be a peer tutor. Participation is the primary way that students are graded in this class.

MUSIC

Band

(576A-576B) Participation during summer band rehearsal is required.

2 Credits Grades 9-12

Prerequisite: Participation in band the previous year (middle school band for freshmen) or audition with band director

Students will study and perform music that is of a medium to advanced level for high school musicians. All woodwind and brass instrumentalists should enroll in this course. Band is an integral part of the high school and exists as a co-curricular class. Since the band is one of the prime public relations groups in school, students will play at all public functions scheduled by the department. All band members comprise the Blue Regiment Marching Band, which performs at competitions, football games, parades, pep sessions, concerts and other community and school functions. At the conclusion of the fall marching season, the group studies symphonic literature. Required Symphonic Band performances include 3-4 concerts, pep band performances at basketball games, ISSMA Organizational Festival and commencement.

Some after school, evening and weekend time is required and members are expected to attend all rehearsals and performances. Members will be responsible for additional fees for participation; however, no qualified student will be denied participation due to financial hardship. Fundraising opportunities for members will be available.

Instrumental Ensemble: Percussion Techniques

(579A-579B) Participation during summer percussion rehearsal is required.

2 Credits Grades 9-12

Prerequisite: Participation in band the previous year (middle school band for freshmen) and permission of band director.

Students will study the performance techniques of various percussion instruments utilized in symphonic, jazz and marching band settings. All percussionists should enroll in this course. Band is an integral part of the high school and exists as a co-curricular class. Since the band is one of the prime public relations groups in school, students will play at all public functions scheduled by the department. All band members comprise the Blue Regiment Marching Band, which performs at competitions, football games, parades, pep sessions, concerts and other community and school functions. At the conclusion of the fall marching season, the group studies symphonic literature. Required Symphonic Band percussion performances include 3-4 concerts, pep band performances at basketball games, ISSMA Organizational Festival and commencement. Opportunities may exist for the ensemble to perform in percussion specific activities, either in concert or competition.

Some after school, evening and weekend time is required and members are expected to attend all rehearsals and performances. Members will be responsible for additional fees for participation; however, no qualified student will be denied participation due to financial hardship. Fundraising opportunities for members will be available.

Jazz Band

(574A-574B)

2 Credits Grades 9-12

Prerequisites: Participation in band the previous year (middle school band for freshmen) and audition as well as enrollment in Band or Percussion Techniques (not required for piano or 6 string guitar players).

The Jazz Band will study/perform a variety of jazz music ranging from traditional swing to fusion. Performances include concerts, jazz festivals, ISSMA Jazz Festival and community performances. Students in this ensemble should have a high level of facility on their instrument as this music requires more technique and independence.

Some after school, evening and weekend time is required and members are expected to attend all rehearsals and performances.

Dance Choreography (Color Guard)

(578A-578B) Participation during summer guard rehearsal is required.

2 Credits Grades 9-12

Prerequisite: Audition

Students will study equipment technique, body movement and dance techniques. Emphasis will be on understanding musical phrasing, rhythmic structures, meters and musical application within choreography. Students enrolled in this class comprise the Blue Regiment Color Guard. In the summer and fall the color guard participates as part of the Blue Regiment Marching Band which performs at competitions, football games, parades, pep sessions, concerts and other community and school functions. The guard is an integral part of the high school and exists as a co-curricular class. Since the band and guard are one of the prime public relations groups in school, students will perform at all public functions scheduled by the department. In the winter the guard will perform as a winter guard and may perform for some home basketball games, in concerts with the band, for community events and potentially compete in Indiana High School Color Guard Association contests. In the spring, emphasis is placed on advanced equipment techniques and interpretation of music through equipment and body techniques. Improvising and creating will also be part of the class in the spring.

Some after school, evening and weekend time is required and members are expected to attend all rehearsals and performances. Members will be responsible for additional fees for participation; however, no qualified student will be denied participation due to financial hardship. Fundraising opportunities for members will be available.

Piano and Electronic Keyboard

(573)

1 Credit Grades 9-12

This course is open to all students who are interested in learning basic piano/keyboarding skills in a group piano setting. Students will acquire basic skills in reading music. Students will learn to use proper keyboard fingerings, to read simple melody lines, to play major and minor scales, and to harmonize basic melodies with simple chords. Students will have opportunities to develop their individual abilities. Instruction is designed so that students are enabled to connect, examine, imagine, define, try, extend, refine, and integrate music study into other subject areas. Intermediate and advanced piano courses may be available in the future based on student interest.

Piano and Electronic Keyboard II

(572)

1 Credit Grades 9-12

Prerequisite: Piano and Electronic Keyboard I

Students advance from collaborative piano learning to independent learning of piano repertoire in a variety of styles. Students will also have the opportunity to participate in ISSMA Solo and Ensemble Contest in the spring. Students will learn classical technique as they explore a variety of genres and repertoire. Students will learn advanced theory as it applies to scales, chords, rhythm, and form, which students will use to play major and minor scales, chord progressions, and arpeggios.

Music Appreciation

(591)

1 Credit Grades 9-12

This class is designed to stimulate the student's interest in all forms of music. The class has no prerequisite and is open to any student with an interest in music. Understanding different types of music, musical form and structure, and developing the student's listening appreciation to a variety of musical styles as they relate to history and culture are among course objectives.

Music Theory

(592)

1 Credit Grades 9-12

Prerequisite: Student must have been in middle school or high school band or middle school or high school choir OR have instructor approval.

This class is designed with the college-bound music major in mind. During the course of the semester students will learn the fundamentals of music theory that will give them the tools necessary for success in college level theory. This class will require some prior knowledge of basic music skills and should be preceded by Music Appreciation if student skills are limited.

Beginning Mixed Concert Choir

(586A-B)

1 Credit Grades 9-12

The Beginning Mixed Concert Choir is a mixed choral ensemble comprised of students in grades 9-12. Beginning Concert Choir is open to all students with no audition required. This group performs beginning and intermediate level music in a variety of at the highest degree of proficiency possible. This course provides students with opportunities to develop musicianship and specific performance skills through ensemble singing. Instruction is designed to integrate music study into other subject areas. Members are required to attend rehearsals

outside of regular school hours in preparation for performances. The Beginning Mixed Concert Choir performs at all school concerts and ISSMA Organizational Contest in the spring. Members must provide their own black and white formalwear for concerts.

Advanced Women's Chorus: Sensations

(587A-B)

2 Credits Grades 10-12

Prerequisite: Women only; audition required.

The Advanced Women's Chorus is an auditioned group comprised of women only in grades 10-12. This ensemble performs intermediate and advanced level music in a variety of styles at the highest degree of proficiency possible. This course provides students with opportunities to develop musicianship and specific performance skills through ensemble singing. Instruction is designed to integrate music study into other subject areas. Members are required to attend rehearsals outside of regular school hours in preparation for performances. The Advanced Women's Chorus performs at all school concerts and ISSMA Organizational Contest in the spring. Members must pay a \$20 rental fee for their concert attire.

Advanced Mixed Concert Choir

(585A-B)

2 Credits Grades 10-12

Prerequisite: Audition required.

The Advanced Mixed Concert Choir is an auditioned group comprised of men and women in grades 10-12. This ensemble performs intermediate and advanced level music in a variety of styles at the highest degree of proficiency possible. This course provides students with opportunities to develop musicianship and specific performance skills through ensemble singing. Instruction is designed to integrate music study into other subject areas. Members are required to attend rehearsals outside of regular school hours in preparation for performances. The Advanced Mixed Concert Choir performs at all school concerts and ISSMA Organizational Contest in the spring. Members must pay a rental fee for their concert attire: \$20 for women, \$50 for men.

Advanced Vocal Jazz Choir: Heritage Singers

(588A-B)

2 Credits Grades 10-12

Prerequisite: Audition required.

Co-requisite: Advanced Mixed Concert Choir

The Advanced Vocal Jazz Choir is an auditioned group comprised of 8 men and 8 women in grades 10-12 who are also members of the Advanced Mixed Concert Choir. This ensemble performs advanced level music in a variety of styles at the highest degree of proficiency possible. This course provides students with opportunities to develop musicianship and specific performance skills through ensemble singing. Instruction is designed to integrate music study into other subject areas. Members are required to attend rehearsals outside of regular school hours in preparation for performances. The Advanced Mixed Jazz Choir performs at all school concerts, ISSMA Vocal Jazz Contest in the spring, and a variety of other community performances throughout the year.

SCIENCE

All Science Courses include at least 25% laboratory work.

All Science courses fulfill Core 40 requirements and Academic Honors Diploma requirements, except as noted.

Biology Course Biology I

Biology I

(813A-813B)

2 Credits Grades 9-12

Prerequisite: Enrolled in any math course.

This academic course involves the study of living things. It follows an approach that allows the student to better understand the diversity of life forms. Special consideration is given to the physical and chemical basis of life and the physiology and genetics of organisms. This course has laboratory work, projects, and activities.

Advanced Biology Courses

Biology II: Advanced Placement

(821A-821B)

2 Credits Grades 10-12

This is a weighted course.

Prerequisite: Grade of C or better in Biology, Chemistry or Physics and a signed contract. *This course requires summer work.*

The content of this course is established by the College Board. The course examines both in lecture and lab the many properties of living systems at a cellular and molecular level. The labs are of a problem solving nature that invite the student to demonstrate his/her ability to investigate and develop possible solutions. Other topics include heredity and evolution; and organisms and cells. This is a college-level course and is considered very rigorous. Students will be required to take the Advanced Placement Exam if enrolled in this course. Those students who qualify may receive college credit.

Biology II: Anatomy/Physiology

(814A-814B)

2 Credits Grades 10-12

Prerequisite: C or better in Biology I

This is an advanced biology course that will present studies in anatomy and physiology, with the emphasis on the human body. A great amount of the time will be spent studying the body organs and structures, and how they function. Students will study all major body systems, using a great number of labs, technology, and major dissections. Memorization of body systems is a component of this course.

Biology II: Kinesiology

(815A-815B)

2 Credits Grades 11-12

Prerequisite: Successful completion of Anatomy and Physiology

Continuing the study of Anatomy, this course looks at the scientific principles underlying the complexities of movement specific to athletic and every day movement. Content covers the skeletal, muscular, and neuromuscular systems, the physiological support systems, the prevention and care of injuries, development of conditioning programs, and muscular imbalances found in athletes. Through lecture and movement workshops students learn to apply this information to their own training and to further their knowledge base for college majors in the medical and physical education fields.

Chemistry Courses

A Chemistry or Physics course is required for graduation.

Chemistry I

(823A-823B)

2 Credits Grades 10-12

Prerequisite: Algebra I

This academic elective course is a study of chemical processes, many of which are introduced with a mathematical approach. Students take an active part in learning basic laboratory techniques with an emphasis on data collection through laboratory activities..

Chemistry II

(824A-824B)

2 Credits Grades 11-12

Prerequisite: Chemistry I

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

Integrated Chemistry and Physics

(827A-827B)

2 Credits Grades 9-12

Prerequisite: Completion or current enrollment in Algebra I.

This elective course combines the basic of concepts and applications of chemistry and physics. Students may enroll if they wish to get a general background in these fields or if they wish to better prepare for the academic chemistry or physics classes. This course includes laboratory experiments.

Physics Courses

A physics or chemistry course is required for graduation.

Physics I

(841A-841B)

2 Credits Grades 10-12

Prerequisite: Successful completion of Algebra II or Geometry.

This academic elective course studies the application of the principles of physics. Stress is placed upon using mathematical techniques to solve problems, the scientific method, and the taking and analyzing of data from laboratory experiments.

Advanced Placement Physics II

(842A-842B)

2 Credits Grades 11-12

Prerequisite: C or better in Physics I and signed contract. Summer reading/assignments required.

This is a weighted course.

The content of this course is determined by the College Board. This academic elective course is for students who found Physics I challenging and desire to further investigate the principles of physics. Topics include mechanics, optics, heat and thermodynamics, electricity, magnetism, and nuclear physics. Emphasis will be placed on problems that mix two or more of these concepts. Students are expected to take the Advanced Placement Exam at the end of the course. Those students who qualify may receive college credit.

Earth Science Course

Earth Science

(826A-826B)

2 Credits Grades 9-12

This course goes in depth in the areas of oceanography, astronomy, meteorology, and geology. It is intended to give the student a good understanding of our physical planet and a good foundation for students entering college. There is some laboratory work along with activities and field work.

Core 40 or Honors elective Science classes taught in other departments

Advanced Life Science: Foods

(509A-509B)

2 Credits Grades 11-12

Prerequisite: Two years of science. This course may be used as the elective science for the Core 40 and Academic Honors Diploma.

This course integrates biology, chemistry and microbiology in an agricultural context. Students formulate, design and implement food-based laboratory and field investigations as an essential course component. Students understand how biology, chemistry and physics principles apply to the composition of foods; food nutrition and development; food processing and storage.

This class is taught through the FACS Department .

Advanced Life Science Animals (ALS Animals) (ROTATION YEAR 1)

157A-157B

ALS Animals is a yearlong hands-on advanced animal science course that counts as a Core 40 Science Elective. College Duel Credit with Purdue University is offered with the course. In the ALS Animals class we investigate the biology and chemistry of animals, starting on a cellular level and moving to animal organ systems, animal motor functions, animal reproduction, and animal nutrition. We also compare and contrast livestock and companion animal physical make-up. The class is lab based with numerous dissection labs. This class is right for you if you are interested in studying animal science or veterinary science in post-secondary education or if you exploring inner workings of animals.

- Suggested Grade Levels: 11-12
- Required Prerequisite Animal Science, or Permission by Teacher
- Recommended Courses Before Taking: Biology and Chemistry
- A two semester course, one credit per semester
- Fulfills a Core 40 Life Science requirement for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas or counts as an Elective or Directed Elective for any diploma
- Optional College Duel Credit with Purdue University that will transfer to Ivy Tech

This class is taught through the Agriculture Department

SOCIAL STUDIES

Geography and History of the World (921A-921B)

2 Credits Grades 9-12

This course may count as a social studies requirement for all diplomas.

Geography and History of the World is a two semester elective course designed to enable students to use geographical skills and historical concepts to deepen their understanding of major global themes including the origin and spread of world religions; exploration; conquest, and imperialism; urbanization; and innovations and revolutions.

Geographical and historical skills include forming research questions, acquiring information by investigating a variety of primary and secondary sources, organizing information by creating graphic representations, analyzing information to determine and explain patterns and trends, and presenting and documenting findings orally or/ in writing. The historical geography concepts used to explore the global themes include change over time, origin, diffusion, physical systems, cultural landscapes, and spatial distribution and interaction.

World History (924A-924B)

2 Credits Grades 10-12

This course may count as a social studies requirement for all diplomas.

This is an elective course, which provides a comprehensive study of the world from ancient to modern times. This class will examine the cultural, political, social, and economic advancements and developments throughout history. It is intended to provide students with an appreciation for the struggles of the men and women who contributed to these changes.

World History: Advanced Placement (936A-936B)

2 Credits Grades 10-12

This is a weighted course.

This course may count as a social studies requirement for all diplomas. *This course requires summer reading and a signed contract.*

This is a course that provides students with the content established by the College Board. The course will have a chronological frame from the periods 8000 B.C.E. to the present. AP World History focuses on five overarching themes (1) interaction between humans and the environment, (2) development and interaction of cultures, (3) state-building, expansion, and conflict, (4) creation, expansion, and interaction of economic systems, and (5) development and transformation of social structures. A comprehensive description of this course can be found on the College Board AP Central Course Description web page. College credit is available upon successful completion of the appropriate College Board examination. Students are expected to take the Advanced Placement Exam.

European History: Advanced Placement (925A-925B)

2 Credits Grades 10-12

This is a weighted course.

Prerequisite: C or better in World History or Geography and History of the World and a signed contract. *This course requires summer reading. This course counts as an elective only.*

The content of this course is determined by the College Board. A study of European history since 1450, this course introduces students to cultural, economic, political and social developments that played a fundamental role in shaping the world in which we live. This class will emphasize critical thinking, essay writing, research, historical document analysis and synthesis, debating techniques, oral and written reports. College credit is available upon successful completion of the appropriate College Board examination. Students are expected to take the Advanced Placement Exam.

United States History (931A-931B)

2 Credits Grade 11

This two semester course is intended to instill in the student an awareness of his responsibility to carry on the American heritage, to foster an appreciation for the struggles of men and women who contributed to American growth, and to broaden the understanding of American political and social history and democratic government. After a review of the early history of our nation, the major emphasis will be placed on the late nineteenth and twentieth century development of the United States.

United States History: Advanced Placement (935A-935B)

2 Credits Grade 11

Prerequisite: C- or better in any English 10 or social studies class. Others must have instructor approval.

This is a weighted course. *This course requires summer reading and a signed contract.*

The content of this course is determined by the College Board. This course is a high level United States history class intended for qualified students who wish to complete studies in secondary school equivalent to college introductory courses. This class will develop and improve critical thinking skills, essay writing abilities, historical document analysis and synthesis, debating skills, research skills and the ability to

develop both oral and written reports. Students are expected to take the Advanced Placement Examination. College credit is available depending on the exam score.

Sociology

(941)

1 Credit Grades 11-12

This one semester course intends to help pupils become oriented in basic patterns of culture, its variation and the factors which influence change and growth; to understand the conflicts which may develop between traditional and contemporary values in culture groups; to bring about an understanding and appreciation for the complex nature of contemporary problems; to develop an understanding of our social institutions; and to enable the student to know himself better, and develop techniques for evaluating both oneself and one's goals. The major topics of study examined in this course are the diverse and growing population, health, education, recreation, and leisure.

Psychology

(942)

1 Credit Grades 11-12

This course deals with the mind. The major topics of study examined are: psychology as science, learning personality and its development, understanding human behavior, mental illness and its treatment, child development, and emotions.

United States Government

(943)

1 Credit Grade 12 This course is required for graduation.

This one semester course is designed to evaluate the form and functions of the government which citizens must support by their money and personal service, to evaluate current sources of information about governments and their problems, and to consider how each may best make contributions to the development of a more democratic government. Major topics of study explained in this course are the social and political foundations of American government, our national government and its systems of checks and balances, and state and local government.

SPECIAL SERVICES

Students taking Special Services courses must be in the Special Services program and must be placed in these courses through a decision by a case conference committee.

SS Basic Skills Development

(013A-013B)

1 Credit per Semester: Grade 9-12

This year long course provides students with IEPs continuing opportunities to develop skills including: reading, writing, listening, speaking, mathematical computation, note-taking, problem-solving skills as well as study and organizational skill which are essential for high school course work achievement. Determination of the skills to be emphasized in this course will be based on Indiana's academic standards, individual school corporation general curriculum plans, and students' individualized education plans. Skills selected for developmental work provide students with the ability to continue to learn in a range of different life situations. Resource time and assistance will be provided during this course. This course counts as one elective credit per semester toward all diplomas. (This course is not recommended for students enrolled in 2 or more Special Services classes.)

SS Developmental Reading

(028A-028B)

2 Credits: Grades 9-12

This full year course is a supplemental course that provides students with individualized instruction designed to support success in completing language arts course work aligned with Indiana's Academic Standards for English/Language Arts in Grades 9-12 and focusing on the Reading Standards. It is designed to provide study and practice in the strategies necessary to increase reading comprehension. The Lindamood Bell Program for phonemic awareness in reading and spelling will be used. Students with IEPs must apply to take this class with the decision being made by the case conference committee and the Developmental Reading teacher. This course does not meet English credit requirements for graduation; however it does count as an elective credit for all diplomas.

SS English 9

(012A-012B)

2 Credits: Grade 9

This is an integrated English course based on Indiana's Academic Standards for English/Language Arts. Students will develop their language skills through the study of language, literature, writing, and oral communication. Language use and the application of grammar skills in various written experiences will be emphasized. Basic reading comprehension and vocabulary skills will be developed using both novels and short stories. This course meets the English 9 graduation requirement for the General and Core 40 diplomas.

SS English 10**(026A-026B)****2 Credits: Grade 10**

This integrated English course is based on Indiana's Academic Standards for English/Language Arts. It reinforces and continues to make full use of many of the activities and skills of English 9. Reading comprehension, decoding, and vocabulary skills will be enhanced using a variety of genres, both fiction and non-fiction. Written language and communication skills will be emphasized utilizing a variety writing techniques. Students will deliver grade-appropriate oral presentations and access, analyze, and evaluate online information. This course meets the English 10 graduation requirement for the General and Core 40 diplomas.

SS English 11**(030A-030B)****2 Credits: Grade 11**

This integrated English course is based on Indiana's Academic Standards for English/Language Arts. Students will further develop their use of language as a tool for learning and thinking and as a source of pleasure through the study of language, literature, composition and oral communication. This course also allows students to explore career interest areas. Students will demonstrate appropriate writing and communication skills while using logical thinking and problem solving skills. Literature will be taught through reading various short stories and novels while also reviewing basic reading and vocabulary skills. Students will write and deliver grade-appropriate multimedia presentations and access, analyze, and evaluate online information. This course meets the English 11 graduation requirement for the General and Core 40 diplomas.

SS English 12**(031A-031B)****2 Credits: Grade 12**

This is an integrated English course based on Indiana's Academic Standards for English/Language Arts which offers students the opportunity to gain experiences communicating in the real world. Students will practice effective oral and written communication. Literature will be taught through reading various short stories and novels while reviewing basic reading and vocabulary skills. These Students will use technology to write and deliver grade-appropriate multimedia presentations and access, analyze, and evaluate online information. This course meets the English 12 requirement for the General and Core 40 diplomas.

SS Pre-Algebra**(019A-019B)****2 credits: Grades 9-10**

This course provides the mathematical background, skills, and thinking processes necessary for the successful completion of Algebra. Topics include: number sense and computation, algebra and functions, geometry, measurement, data analysis, and probability. The instruction program of this course addresses both the understanding and use of the concepts in appropriate problem-solving situations. This course counts as a mathematics course for the general diploma only. This course does not meet Core 40 requirements; however it does counts as elective credits for all other diplomas.

SS Business Math/Personal Finance**(017A-017B)****2 credits: Grades 11-12**

This course is designed to prepare students on their roles as consumers, producers entrepreneurs, and citizens, as well as focusing on personal financial planning. The content includes mathematical operations related to accounting, banking and finance, marketing and management, financial planning, income and asset protection, income and money management, and spending and credit management. Students will learn the financial concepts and principles that provide a basis for avoiding financial pitfalls. This course meets the mathematics requirement for the general diploma only or counts as an elective for all other diplomas.

SS Health Education**(020)****1 Credit: Grade 10**

This course is based on Indiana's Academic Standards for Health and Wellness and provides opportunities to explore the effect of health behaviors on an individual's quality of life. This course assists students in understanding that health is a lifetime commitment by studying individual risk factors and health decisions that promote health and prevent disease. A variety of instructional strategies, including technology, are used to further develop health literacy. Priority areas include: promoting personal health and wellness, physical activity, 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. This course fulfills the Health requirement for the General and Core 40 diplomas.

**SS Geography and History of the World
(041A- 041B)**

2 Credits: Grades 9-12

This course is designed to enable students to use geographical skills and historical concepts to deepen their understanding of major global themes including the origin and spread of world religions, exploration, conquest and imperialism, urbanization and innovations and revolutions. They will explore the physical, political, economic, and cultural qualities of North, Central, and South America. This course will provide students a greater appreciation of other cultures and people. Geographical and historical skills include forming research questions, acquiring information by investigating a variety of primary and secondary sources, organizing information by creating graphic representations, analyzing information to determine and explain patterns and trends, and presenting and documenting findings orally and/or in writing. This course fulfills a Social Studies requirement for the General and Core 40 diplomas.

**SS U. S. History
(032A-032B)**

2 Credits: Grade 11

In this year long course, students will identify and review significant events, persons and movements in the early development of the nation. Students will study specific time periods and examine the relationship of important themes and concepts in Indiana and U.S. History. They will develop historical thinking and research skills to explore topical issues and to understand the cause for changes in the nation over time. Opportunities are given to develop inquiry skills by gathering and organizing information from a variety of historical and contemporary sources. This course fulfills the US History requirement for the General and Core 40 diplomas.

**SS U. S. Government
(040)**

1 Credit: Grade 12

This course 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 will 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 will 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 examined. This course fulfills the Government requirement for the General and Core 40 diplomas.

**SS Economics
(036)**

1 Credit: Grade 12

The course analyzes economic reasoning used by consumers, producers, savers, investors, workers, voters, and government in making decisions. Key elements of the course include study of scarcity and economic reasoning, supply and demand, market structures, role of government, national income determination, and the role of financial institutions, economic stabilization, and trade. Students will understand economic performance, money, stabilization policies, and trade of the United States. The behavior of people, societies and institutions and economic thinking is integral to this course. This course meets the Economics requirement for the General and Core 40 diplomas.

**SS Orientation to Life and Careers
(009A-009B)**

1 Credit per Semester: Grade 11-12

This course addresses essential knowledge, skills, and behaviors all students need to live successfully in today's world. Topics to be addressed may include communication, leadership, and management processes; exploration of personal aptitudes, interests, principles, and goals; life and career exploration and planning; examining multiple life roles and responsibilities as individuals and family members; planning and building employability skills; transferring school skills to life and work; decision making and organizational skills; and managing personal resources. This course counts as elective credit for the General and Core 40 diplomas.

TECHNOLOGY EDUCATION

**Introduction to Technology
(613)**

1 Credit Grades 9-12

This is an introductory activity-based course in which students learn the importance of technology and the principles used to design, produce, use and assess it. Students will be introduced to the four areas of technology: construction, transportation, manufacturing and communications. The students develop both individual and group abilities needed to participate in and be successful in technology-related careers.

Communication Systems

(649)

1 Credit Grades 9-12

Communication Systems is designed to introduce students to the many methods used to communicate in today's society through a variety of hands-on laboratory activities. Students will develop a better understanding of how communications are produced, transmitted, and used by both businesses and the general public. Students will experience such areas as radio broadcasting, television, desktop publishing, computer aided drafting (CAD), photography, animation, and many others.

Communication Processes

(650)

1 Credit Grades 10-12

Prerequisite: Suggested Communication Systems

This year long course is designed for those students desiring a more in-depth study of the communications field. Primary emphasis will be placed on the areas of photography, radio, computer design, and television. Students will be completing a number of activities, such as producing quality photographs, technology newsletter, video documentary, and an audio program.

Construction Systems

(652)

1 Credit Grades 9-12

This course is structured for those students desiring a basic knowledge of general construction practices. Students are given an opportunity to experience various construction methods and techniques. All types of construction projects will be discussed, with students responsible for solving a given construction problem. Lab activities will include planning structures, basic surveying techniques, principles of framing, and others.

Construction Processes

(654)

1 Credit Grades 10-12

Prerequisite: Construction Systems

This course is designed for those students desiring a more in-depth understanding of the construction field. Laboratory activities will include advanced surveying techniques, masonry, mechanical systems (electrical, plumbing, heating/air), and interior/exterior finishing.

Transportation Systems

(617)

1 Credit Grades 9-12

This course is designed to show the students the various types of power and transportation methods used to move people and goods. Students will study how different forms of energy are produced and how these are used to produce the power needed by society. The class will also explore the many ways of transporting people and products throughout the world. Activities will include the design and construction of vehicles for land, water, and air.

Transportation Processes

(618)

1 Credit Grades 10-12

This course is designed to provide students with an understanding of how mechanical, electrical, and pneumatic systems are used in the field of transportation. Students will be involved in the design and construction of a workable transfer line, robots and space vehicles.

Technology Manufacturing: Enterprise

(612)

1 Credit Grades 9-12

Prerequisite: None

The Enterprise class has been developed as a tech prep program to provide students with an opportunity to experience a job-like situation. The class is organized as a company, with students filling various company positions (president of the board, plant superintendent, foreman, engineer, machine operator, etc.) The class must incorporate, select a product, design a building in which to produce the product, produce various advertisements, develop a transportation system to handle materials and the product, manufacture a number of marketable products, and do a variety of other activities related to company organization, management, and product manufacturing.

Manufacturing Systems

(622)

1 Credit Grades 9-12

Manufacturing is designed to introduce students to the various areas associated with the building of today's products. Topics discussed include blueprint reading, measurement, materials (wood, metal, plastic), machine safety and operation (both hand operated and computer controlled machines), assembly of materials, etc. Students will apply their knowledge of machine operations in the production of various products found in society. There will be additional expense for the class in order to cover material cost for those items the student takes home.

Manufacturing Processes

(623)

1 Credit Grades 10-12

Prerequisite: Successful completion of Manufacturing Systems

This is a second level class designed to use the skills learned in Manufacturing Systems. Students will apply critical thinking skills when using blueprint reading, measurement, materials (wood, metal, plastic), machine safety and operation (both hand operated and computer controlled machines), assembly of materials, etc. Projects will require a higher level of craftsmanship.

WORLD LANGUAGES

American Sign Language I

(490A-490B)

2 Credits Grades 9-12

This course introduces students to the basic knowledge of American Sign Language and deaf people. Emphasis in the course is upon the acquisition and comprehension of conversation skills as well as knowledge of the Deaf Community and the development of cultural awareness necessary for optimal communication interaction. The student will begin with visual readiness activities and then progress through dialogues necessary for everyday conversational situations. There will be daily memorization and vocabulary drills with the goal of attaining proficiency in performance testing.

American Sign Language II

(491A-491B)

2 Credits Grades 10-12

Prerequisite: C- or better in ASL I

A continuation of ASL I, this course emphasizes expansion and refinement of the fundamental comprehension and sign production skills introduced in ASL I. Further acquisition of additional functional grammatical structure and targeted lexical items of ASL are expected. The culturally appropriate use of ASL through natural, everyday conversational situations will also be emphasized, along with continuing study of the culture and development of the Deaf Community.

American Sign Language III

(492A-492B)

2 Credits Grades 11-12

Prerequisite: C- or better in ASL II

The major goals of this advanced course are to provide practice with ASL in the context of daily life and activity; train students on how to use the language for the development of expressive and receptive activities; and encourage creative use of ASL through songs, games, storytelling, narratives, interviews, ASL New Reporting, poetry, drama and legends. In addition, both the history of the Deaf World and the Senior Instructional Leadership Corps program will be introduced to the students.

French I

(412A-412B)

2 Credits Grades 9-12

Prerequisite: C- average in English or real interest in learning the language.

This beginning course introduces basic vocabulary, grammatical structures, and pronunciation in order to develop listening, speaking, reading and writing skills. Students will participate in activities to develop communication skills, including listening comprehension exercises, responses to oral directions and commands, simple conversations based on personal preferences and needs, use of appropriate forms of address and courtesy expressions, comprehension of short texts and authentic printed material, and correct writing of the language that has been produced orally. Students will also learn about the cultures, which use the language, centering on France and Quebec. Topics commonly included are geography, sites of interest, holidays, monetary systems, food, and school and home life.

French II

(422A-422B)

2 Credits Grades 10-12

Prerequisite: C- average in French I or permission of teacher.

Students will review concepts learned in French I while expanding use of vocabulary, grammar, and time tenses. Students will improve oral and written communication skills and comprehension skills. Instruction will provide for students' increased ability to ask and answer questions regarding such topics as giving directions, daily routine, health, hotels and restaurants. The students should be able to comprehend simple texts and write briefly in response to given situations. Students will also become familiar with more areas of France and the French-speaking world.

French III

(432A-432B)

2 Credits Grades 11-12

Prerequisite: C- average in French II or permission of teacher.

This course is a continuation of French II with emphasis on conversing, greater reading comprehension, and writing on prepared topics. Students will review and improve their abilities in previously acquired skills. Students will pose and respond to factual and interpretive questions and interact in social situations. Students will also develop more advanced forms of expression through use of higher-level grammatical structures. Students will also study a variety of French-speaking cultures and explore the diversity of the regions of France, along with such cultural topics as history, art, and cooking.

French IV

(442A-442B)

2 Credits Grade 12

Prerequisite: C- in French III or permission of teacher.

This course is based on a chronological study of the history of France, in French, with literature, art, culture, and grammar integrated throughout. Students will review and improve their knowledge of previously acquired skills.

Japanese I

(481A-481B)

2 Credits Grades 9-12

Students read and write Hiragana (basic Japanese syllabary). Students respond to and give oral directions and commands and make routine requests. Students ask and answer simple questions about self, family, school, hobbies, food, time, plans, etc. Students experience nonverbal communication and appropriate etiquette in a variety of social settings.

Japanese II

(482A-482B)

2 Credits Grade 10-12

Prerequisite: Japanese I with a C- average.

Students read and write Katakana (syllabary for foreign words). Students will read and write approximately 50 Kanji characters and their associated combinations. Students participate in conversations on a variety of topics, such as family, weather, pets, clothing, seasons, time, being sick, etc. Students interact in a variety of situations to meet personal needs, such as asking permission and extending/accepting an invitation. Students read aloud with appropriate intonation and pronunciation. During second semester, students use Japanese as their primary language of communication.

Japanese III

(483A-483B)

2 Credits Grades 11-12

Prerequisite: Japanese II with a C- average.

Students read and write approximately 50 new Kanji characters and their associated combinations. Students participate in conversations on a variety of topics, such as occupations, part-time jobs, the extended family and holidays. Students use the casual verb forms to communicate with friends. Students interact in a variety of situations to meet personal needs, such as giving/receiving directions, ordering food, asking/giving/denying permission. Students will read from a variety of authentic materials, such as signs, newspaper ads, and cartoons.

Japanese IV

(484A-484B)

2 Credits Grade 12

Prerequisite: Japanese III with a C- average.

Students read and write approximately 60 new Kanji and their associated combinations. Students experience Japanese cultural situations through field trips to Japanese restaurants, Hanami (flower-viewing) celebrations, etc. Students respond to factual and interpretive questions regarding such topics as rules, comparisons, health, decisions, and future plans.

Spanish I

(416A-416B)

2 Credits Grades 9-12

Prerequisite: C- average or better in English

Level I students learn the phonetic system. Students speak and read aloud with appropriate intonation and pronunciation. The students respond to and give oral directions and make routine requests in the classroom and public places. Students learn basic grammar by simple sentence structure. The students ask and answer simple questions. Students read short narratives and comprehend written Spanish. Students develop an awareness of Hispanic culture through various means. Students practice appropriate forms of address and etiquette in a variety of social settings.

Spanish II

(426A-426B)

2 Credits Grades 9-12

Prerequisite: C- average or better in Spanish I

Level II students expand grammar and sentence structure. Students participate in conversations in a variety of social settings. Students relate simple narratives in present, past and future tenses. Students read expanded narratives and understand main ideas from the text. Students continue to practice pronunciation and appropriate intonation.

Spanish III

(436A-436B)

2 Credits Grades 10-12

Prerequisite: C- average or better in Spanish II

Level III students read for comprehension from a variety of materials. They respond to factual and interpretive questions. Students continue to develop grammar and writing skills implementing compound verb forms. Students expand conversational skills through impromptu dialogues in a variety of social settings. Students study different aspects of the Spanish culture including historical events and the arts.

Spanish IV

(446A-446B)

2 Credits Grades 11-12

Prerequisite: C- average or better in Spanish III

Level IV students further expand conversational skills through longer and more complex dialogues. Students read a variety of authentic materials as well as short stories. They respond to factual and interpretive questions using complex sentence structures. Students study various cultural aspects of the Spanish-speaking world including historical and current events.

CENTRAL NINE CAREER CENTER

Central Nine programs are designed to provide students with the necessary skills and knowledge to prepare them for employment in many different occupational areas, post-secondary education, or both. Central Nine educates its students with the attitudes and competencies for employment in the 21st century.

Students in the participating school districts have the opportunity to enroll at Central Nine. Students are selected by the individual high schools on the basis of sincere interest, necessary aptitudes and abilities, attendance, and past performance.

Many Central Nine career offerings are open to grades 10-12. Some are restricted to seniors only.

All courses receive FOUR (4) credits per semester unless otherwise noted.

Aviation Support Operations

(999A-999B)

Grades 10-12

Includes classroom and practical experiences concerned with the ground support of commercial and general aviation aircraft including passenger service, aircraft preflight service, and flight control. The course provides instruction in security operations, baggage handling, ticket issuing, fueling aircraft, general aircraft maintenance, safety and rescue operations, ground and runway maintenance, air traffic control, and airport office management.

Dual credit opportunities available.

Career Opportunities:

Air Traffic Control Specialist

Airline Manager

Aircraft Maintenance manager

Automotive Collision Repair Technology

(971A-971B)

Grades 10-12

This course is designed for the career-minded student who is interested in an auto-related career. This is a two-year course with a strong emphasis on problem solving skills in auto painting, body repair, and frame straightening. Students learn the basic concepts pertaining to auto collision repair through classroom study and lab sessions.

Automotive Service Technology

(972A-972B)

Grades 10-12

Students learn theory, diagnostics, and repair in the following areas: engine repair, automatic transmission and transaxles, manual drive trains and axles, steering and suspension, brakes, engine performance and automotive electrical systems. Students learn to use a variety of testing and specialized equipment, including hand-held scanners, computerized alignment and balance machines, exhaust analyzers, diagnostic computers to diagnose and repair many problems on high tech vehicles.

Building And Facilities Management

(922A-922B)

Grades 10-12

Building and Facilities Management is an instructional program that prepares students to service a variety of structures including commercial and institutional buildings. This course provides instruction in basic maintenance and repair skills related to air conditioning, heating, plumbing, electrical, and other mechanical systems. Additional activities should include classroom and laboratory experiences concerned with all phases of the care and cleaning of buildings, fixtures, and furnishings including all types of building interiors such as linoleum, plastic, terrazzo, tile, and wood floors; rugs; and, plastic, wood panel, paint, and synthetic and power tools and selection and use of professional supplies needed for care, repair and maintenance. Students will reinforce their mathematical skills through the practical study of measurement units, ratios, area, and volume calculations. Scientific knowledge will be enhanced through the emphasis on environmental concerns and chemical and electrical safety instruction. Language skills will be strengthened through oral and written work intended to improve students' abilities to communicate with supervisors, colleagues, and clients.

Building Trades Technology

(974A-974B)

Grades 10- 12

This course includes classroom and laboratory experiences concerned with the erection, installation, maintenance, and repair of buildings, homes, and other structures using assorted materials such as metal, wood, stone, brick, glass, concrete, or composition substances. Instruction covers a variety of activities such as cost estimating; cutting, fitting, fastening, and finishing various materials; the uses of a variety of hand and power tools; and, blueprint reading and following technical specifications. Knowledge concerning the physical properties of materials should also be emphasized. Instruction in plastering, masonry, tile setting, dry wall installation, plumbing, residential wiring and roofing should be covered in the course of study. Additional areas of instruction can include operation and maintenance of heavy equipment used in the construction industry and processes used for digging, grading, clearing, and excavating.

Business Technology Lab II

(975A-975B)

Grades 10-12

Business Technology Lab II is a career and technical education business course. As a capstone program, this course prepares students for employment in business occupations and/or to continue study in a postsecondary institution. Educational experiences will be based upon the student's individual career and educational goals. Business Professionals of America is the co-curricular organization associated with this course. Through BPA, students will have the opportunity to participate/compete in business-related activities. Instructional strategies will include in-baskets, minibaskets, LAPS, workflow simulations, real world experiences, school-based enterprises, industry certification, and field experiences (job shadowing, mentoring, and/or internships).

Culinary Arts Careers

(977A-977B)

Grades 10-12

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 hospitality and tourism. Instruction and intensive laboratory experiences may include commercial applications of principles of nutritious, aesthetic, and sanitary selection, purchasing, storage, preparation, and service of food and food products; using and maintaining related tools and equipment; managing operations in food service, food science, or hospitality establishments; providing for the dietary needs of persons with special requirements; related research, development, and testing. Intensive laboratory experiences with commercial applications are a required component of this course of study.

Diesel Service Technology

(980A-980B)

Grades 10-12

This course includes classroom and laboratory experiences concerned with all phases of repair work on diesel engines used to power buses, ships, trucks, railroad trains, electrical generators, construction machinery, and similar equipment. Instruction and practice is provided in the diagnostics and repair of engines, brakes, electrical/electronic systems, suspension and steering. Students will demonstrate performance of these tasks as defined by ASE/NATEF standards. Use of technical manuals, hand and power tools and of testing and diagnostic equipment are also studied in the course. Advanced mathematical skills will be reinforced through precision measuring activities and estimation/calculation exercises. Scientific principles covered in this course include viscosity, friction, thermal expansion, and compound

solutions. Written and oral communication skills will also be stressed to improve students' abilities to work with colleagues, customers, and supervisors.

Drafting/Computer Aided Design (CAD)

(981A-981B)

Grades 10-12

This course emphasizes the theory and application of drafting principles used to create detailed drawings according to exact project dimensions and specifications. Instruction includes experiences in gathering and translating realistic project data or specifications, completion of two and three dimensional drawings, and the development of computer models. Instruction will reinforce and expand students' mathematical skills through the study of geometric tolerancing and construction and the use of geometry and trigonometry principles in design projects and laboratory activities. Students will also enhance their reading and comprehension skills through daily use of technical software manuals. The techniques learned, and software used, should be state of the art and reflect current industry standards.

Electronics Technology

(982A-982B)

Grades 10-12

This course includes classroom and laboratory experiences in wiring and schematic diagrams used to design, install, and repair electrical/electronic equipment such as wireless communication devices, programmable controllers, consumer electronic products, amplifiers, computers, and related equipment. Course content will include basic theories of electricity, electronics, digital technology, and basic circuit analysis. Activities include experiences in: soldering; use of an oscilloscope, meters, signal generators and tracers; bread-boarding; circuit simulation software; and troubleshooting. Understanding and using the underlying scientific principles related to electricity, electronics, circuits, sine waves, and Ohm's Law are integral to this course. Students will use mathematical principles to solve electronic problems and to troubleshoot electrical circuits. Emphasis will be placed on the ability to read, comprehend, and use information found in technical manuals.

Entrepreneurship Academy

(989A-989B)

Grades 10-12

Entrepreneurship Academy is designed as the capstone course in a specialized sequence of marketing and marketing related courses, which provide instruction in marketing, management, and entrepreneurial fundamentals as they relate to starting and operating a business. This curriculum is based upon the *National Standards for Marketing Management, Entrepreneurship, and Business Administration*. *Entrepreneurship Academy* is a specialized marketing course designed to enable students to acquire the knowledge and develop the skills needed to effectively organize, develop, create, and manage their own business. Topics addressed include assessment of entrepreneurial skills, the importance of business ethics, and the role of entrepreneurs in a global economy. Instructional strategies may include a school-based enterprise, computer/technology applications, real and/or simulated occupational experiences, and projects available through the DECA program of co-curricular activities. Students will develop a written business plan for a business of their choice. Curriculum should be incorporated into development of a business plan throughout the term of the course.

Fire Science

(993A-993B)

Grades 10-12

This program is designed to provide the student with the fundamentals and training skills for firefighting and emergency medical services. The course includes fire suppression techniques, specialized equipment operation, rescue practices, hazardous materials operations, aircraft crash rescue, wild land fire suppression, CPR, emergency medical/trauma care, firefighter/EMT safety and survival, and emergency vehicle operations. Upon successful completion of the program, the student will qualify for several State and National certifications. Students receiving a B or better in the program are eligible for college credits through Ivy Tech.

Graphic Imaging Technology

(988A-988B)

Grades 10-12

Graphic Imaging Technology will include organized learning experiences that focus on theory and laboratory activities in pre-press, press and finishing operations. Emphasis will be placed on elements of design and layout leading to computerized electronic image generation, plate preparation, pressroom operations, and finishing techniques. Instructional activities will enhance student's language arts skills through the use of proofreading, spelling, and punctuation exercises. The course will include actual production processes in conjunction with classroom assignments embracing the technologies of printing, publishing, packaging, electronic imaging, and their allied industries.

Health Careers I

(986A-986B)

Grades 10-12

Health Careers I content includes a core of entry level skills common to one specific health career such as patient nursing care, medical laboratory, and public health. Course content includes an introduction to health care systems, anatomy, physiology, and medical terminology. Included are leadership skills developed through membership in the student youth organization. During the second semester, instruction is integrated with core entry-level skills. The concept of coping with illness is also introduced. In addition, this course includes work ethics and job seeking skills such as job applications, resumes, and interviews. An in-school laboratory provides hands-on, simulated experiences. The instructor and the students should move from the local school to the actual health care clinical setting for pre-planned,

educational experiences which are to be coordinated and evaluated by the school. The pre-planned activities provide an opportunity for the students to apply the knowledge, skills, and attitudes learned in the classroom. Actual instruction and supervision, usually provided on a one-to-one basis, is given by qualified health practitioners in the clinical setting, based on pre-determined specific learning competencies.

Horticultural Science

(983A-983B)

Grades 10-12

Horticultural Science is a yearlong course designed to give students a background in the field of horticulture and its many career opportunities. It addresses the biology and technology involved in the production, processing, and marketing of horticultural plants and products. Topics covered include: reproduction and propagation of plants, plant growth, growth media, hydroponics, floriculture and floral design, management practices for field and greenhouse production, interior plantscapes, marketing concepts, production of herbaceous, woody, and nursery stock, fruit, nut, and vegetable production, integrated pest management and employability skills. Students participate in a variety of activities including extensive laboratory work usually in a school greenhouse.

Hospitality and Tourism

(938A-938B)

Grades 10-12

Hospitality, Travel, and Tourism is a specialized marketing course designed for students interested in careers in the hospitality, travel and tourism industry. Community/classroom experiences are applied to classroom instruction in marketing-information management, pricing, product/service management, promotion, and selling in the hospitality, travel, and tourism industry. Instructional strategies may include computer/technology applications, real and/or simulated occupational experiences and projects in the marketing functions such as those available through the DECA program of co-curricular activities.

Information Technology: Information Support and Services

(978A-978B)

Grades 10-12

This course is a career and technical education business and information technology course that will prepare students for careers in business and industry dealing with support and services in information technology. Students will gain the necessary skills to implement computer systems and deploy software solutions, provide technical assistance, manage information systems with attention to security. Students will develop an understanding of IT professionalism including the importance of ethics, communication skills, and knowledge of the “virtual workplace.” Skills needed to acquire related certifications will be an integral part of this programming., Microsoft MOS, Novell CNA, CompTIA, A+, Security+, etc. Essential skill and knowledge areas include but are not limited to: General Computer Usage Skills; Management Information Systems; Basic Network Systems; Basic Programming; Basic Interactive Multimedia Development; Business Skills; and Management Skills.

Law Enforcement

(962A-962B)

Grades 10-12

This course provides a broad base of instruction concerning the criminal justice system and prepares the student for further study in law enforcement. Topics will include the history, role, development, philosophy, and constitutional aspects of the U.S. criminal justice system, their interrelationship, function and responsibility. The program covers the many aspects of traffic administration and control, as well as an overview of forensic science including: laboratory procedures and capabilities; crime scene searching and sketching; firearm and tool mark identification; fingerprinting; shoe and tire impressions; arson; microanalysis of trace elements; document examination; preservation of evidence and the importance of forensic science in the courtroom. Students may earn up to 12 college credits through Vincennes University.

Precision Machine Technology

(984A-984B)

Grades 10-12

This course includes a wide range of classroom and laboratory experiences that develop skills and knowledge in the shaping of metal parts. Emphasis is placed on basic precision machining operations including the use of lathes, drill presses, and grinders, in addition to mill and bench work. Instruction includes the use and care of other precision tools such as micrometers, indicators, combination squares, scales, and calipers. Advanced instruction should include preparation in the use of Computer Numerically Controlled (CNC) machines that reflect current industry practices. Application of mathematical skills and blue print reading is part of the daily experience. Technical reading and writing skills will also be emphasized.

Project Lead the Way: Biomedical Sciences

(920A-920B)

Grades 11-12

This two-year course sequence has four components: Principles of Biomedical Sciences and Human Body Systems in year one and Medical Intervention and Science Research in year two. They must be taken in sequence and each builds upon the other to thoroughly introduce students to the principles and practices of Biomedical Sciences. In year one, students will investigate human body systems and its various health conditions. Students will employ a variety of monitors to examine body systems and the various interactions among those systems. In year two, students will study medical practices including interventions to support humans in treating disease and maintaining health. They will also study the design and development of various interventions including vascular stents, cochlear implants, and prosthetic limbs. The

final component of the two year sequence is a capstone experience designed to give student teams the opportunity to work with one or more mentors from the scientific and/or medical community on a research project.

Project Lead the Way: Pre-Engineering

(928A-928B)

Grades 9-12

This two-course sequence has four components: Introduction to Engineering Design and Principles of Engineering in year one, Digital Electronics and Computer Integrated Manufacturing in year two. They must be taken in sequence and each module builds upon the other to thoroughly introduce students to the principles and practices of Engineering. During the first year course, students will learn about the field of engineering and engineering technology. Students develop engineering problem solving skills while learning how engineers address concerns about the social and political consequences of technological change. Emphasis is placed on three dimensional solid models using CAD (Computer Assisted Drafting) software. In year two, students will be introduced to the fundamentals of robotics and the application of engineering principles by constructing actual models of three dimensional designs. The final module of this course involves study in applied digital logic that encompasses the design and application of electronic circuits and devices found in video games, watches, calculators, digital cameras, and thousands of other devices. Instruction includes the application of engineering and scientific principles as well as the use of Boolean algebra to solve design problems. Using computer software that reflects current industry standards, activities should provide opportunities for students to design, construct, test, and analyze simple and complex digital circuitry.

Recreation and Portable Power Equipment

(987A-987B)

Grades 10-12

This course provides opportunities for in-depth study about a variety of recreational and portable power units. Classroom and laboratory experiences are based on activities that build skills and knowledge in the fundamentals of electricity, hydraulics, water and air cooled systems, engine electrical systems, compression ignitions, starting systems, fuel and lubrication systems as well as carburetors and drive systems. Training begins with instruction on repair and routine service of portable power equipment such as lawn mowers, chain saws and other outdoor grounds maintenance equipment. Instruction emphasizes current environmental regulations regarding both noise and air pollution standards. Advanced training should cover care and service of recreational vehicles including motorcycles, mini-bikes, snowmobiles, all-terrain vehicles (ATV), and outboard motors. Daily emphasis is placed on reading technical manuals and using oral communications skills in a customer service setting.

Sports, Recreation and Entertainment Marketing

(985A-985B)

Grades 10-12

Sports, Recreation, and Entertainment Marketing is a specialized marketing course providing students with the opportunity to apply marketing principles in the fields of Sports, Recreation, and Entertainment. Students will produce and market activities for athletic and entertainment programs at the high school. A plan to increase attendance and support for athletic and entertainment (music and theatre) functions in the school may be developed. The class may research and work with the private sector and community to help market recreation and entertainment programs. Instructional strategies may include computer/technology applications, event planning, real and/or simulated occupational experiences, and projects in the marketing functions such as those available through the DECA program of co-curricular activities.

Welding Technology

(990A-990B)

Grades 10-12

Welding Technology includes classroom and laboratory experiences that develop a variety of skills detailed in American Welding Society (AWS) Entry Level Guidelines and Certifications. Areas of study include electric welding and flame and plasma cutting. Instructional activities emphasize properties of metals, safety issues, blueprint reading, electrical principles, welding symbols, and mechanical drawing through projects and exercises that teach students how to weld industrial metals in four basic welding positions. Reinforcement of mathematical skills in geometry, precision measurement, and estimation will be part of the daily instruction. Understanding the principles of metallurgy, gases, and materials science is integral to this course.

The following courses are for seniors only.

Aviation Maintenance Technology (Seniors Only)

(973A-973B)

Taught in conjunction with Vincennes University, students learn service, repair, and overhaul-airframes, propellers, power plants, avionics equipment, electronic systems, aircraft instruments, and hydraulic systems. Students will receive both high school and college credit. Classes will meet from 2-5 PM daily. Students may earn up to 16 college credits from Vincennes University. One year – Seniors only.

Cosmetology (Seniors Only)

(979A-979B)

Cosmetology includes classroom and practical experiences concerned with a variety of beauty treatments, including the beautification of hair and skin care. Instruction includes training in giving shampoos, rinses, and scalp treatments; hair styling, setting, cutting, dyeing, tinting, bleaching, and fitting wigs; permanent waving; facials; manicuring; and, hand and arm massaging. Scientific knowledge related to bacteriology, anatomy, hygiene, and sanitation will be emphasized. Additional instruction in the areas of small business (salon) management, record keeping, and customer relations should also be provided in this course. Instruction should be designed to qualify students for the licensing examination.

Dental Assisting (Seniors Only)

(968A-968B)

Dental Assisting is taught by Kaplan College at the Central Nine Career Center. In this one-year program, students complete the first part of the college curriculum, earning 18 Kaplan College credits. After high school graduation, a student will need to complete the second part at Kaplan College, as well as a 2-3 month externship with a dentist. The cost for the second part is paid by the student to Kaplan College. Dental Assisting students learn to perform a wide variety of duties, including patient care, office and laboratory work. Students receive instruction in taking medical histories, vital signs, preparing patients, sterilizing instruments, setting up diagnostic radiographs, digital X-rays and instructing patients in oral hygiene, plaque control and postoperative care. Students will be required to purchase, and wear, a uniform, shoes and name tag.

Introduction to Emergency Medical Services (Seniors Only)

(995A-995B)

Learn CPR, trauma care, safety and survival, emergency vehicle operations, ride-along observations of emergency medical services; EMT Basic certification available for successful completion of program. College credit through Vincennes University is available.

Health Careers Practicum (Seniors Only)

(992A-992B)

Prerequisite: Health Careers I, a grade point average of C or higher in health science classes and teacher approval.

Health Career Practicum is a two level course designed to provide students with the knowledge, attitudes, and skills needed to make the transition from school to work. Varied instructional strategies and technologies are used to emphasize the course content: Job seeking and job maintenance skills, personal management skills, self analysis to aid in career selection and completion of the application process for admission into a post secondary program of their choice. A second layer of the course is an extended laboratory experience designed to provide students the opportunity to assume the role of a health care provider and practice technical skills, previously learned in the classroom, at the clinical site of their choice. Skills USA, the health science student organization, encourages development of leadership, communication, community service and health care related skills.

Introduction to Medical Assisting (Seniors only)

(965A-965B)

Introduction to Medical Assisting introduces students to some of the duties and responsibilities of administrative and clinical medical assistants. Course content focuses on basic skills that one might see performed in a doctor's office or out-patient facility. Various instructional strategies and technologies will be used to give students the opportunity to gain additional knowledge of anatomy, physiology, and medical terminology. The student will also have the opportunity to refine previously learned technical skills, in addition to gaining additional competencies as they participate in simulated activities and procedures in the classroom. Instruction will be augmented with study tours and shadowing experiences in health care facilities. Students have the opportunity to compete in a wide variety of competitive events at both the state and national level.

Introduction to Pharmacy (Seniors only)

(966A-966B)

Introduction to Pharmacy introduces students to the field of pharmacy and provides opportunity for exploration of career options within the discipline. Varied instructional strategies and technologies are used to help students gain insight into the roles and responsibilities of the pharmaceutical team, state and federal regulations, pharmaceutical agents, prescription processing, pharmacy maintenance, retail sales, and the impact of pharmaceuticals on the delivery of health care in society. Shadowing experiences help students gain insight into the various roles of the pharmaceutical team in retail drug sales. Students have the opportunity to compete in a variety of competitive events at both the state and national levels.

Introduction to Physical Therapy (Seniors only)

(967A-967B)

Introduction to Physical Therapy introduces students to careers in physical therapy, athletic training and sports medicine. Due to the multi-disciplinary/cross training trend in health care delivery, this course will offer an overview of other allied health careers interrelated to physical therapy; such as athletic training and sports medicine. Various instructional strategies and technologies are used to teach students about career opportunities and their associated roles and responsibilities, legal and ethical issues, patient diversity, anatomy and physiology, injury mechanisms, disorders requiring physical therapy, aspects of rehabilitation, safety concerns and patient documentation. This course builds on the competencies learned in introductory courses and provides students the opportunity to develop more in-depth knowledge, skills and attitudes related to physical therapy. Students have the opportunity to compete in a variety of competitive events, including sports medicine and physical therapy, at both the state and national levels.

Introduction to Veterinary Assisting (Seniors only)

(923A-923B)

The course content includes the competencies that prepare the student for a specific occupation in veterinary aide. This course allows for more in-depth knowledge, skills, and attitudes to be developed in a specific occupation. Simulated in-school laboratory experiences are also a part of this course. An extended laboratory experience may also be scheduled. The related experience is organized and planned around the activities associated with both the student's individual placement and the student's career objectives in health sciences. It is taught during the same semesters that students are receiving clinical experience. Students have the opportunity to compete in a number of competitive events at both the state and national levels.

Professional Career Internship (Seniors only)

(969A-969B)

Professional Career Internship is a Career and Technical Education Business and Information Technology course that is designed to provide opportunities for students to explore careers that require additional degrees or certification following high school. The emphasis of the experience is on applying skills developed through instruction and on learning new career competencies at the internship site. The internship is tailored to the unique needs and interests of the student and is considered a high school capstone experience towards fulfillment of the student's meaningful future plan. Upon completion of the internship, students will review and revise their career plans. A training agreement outlines the expectations of all parties: the intern, parent/guardian, site supervisor/mentor, internship supervisor, and the school. Students participating in these structured experiences will follow class, school, business/industry/ organization, State, and Federal guidelines. Internships may be paid or unpaid and must include a classroom component (such as a series of seminars, workshops, or class meetings) and regular contact between the interns and internship coordinator.

Tractor-Trailer Driver Training (Seniors only)

(994B)

The Tractor-Trailer Driver Training Program is designed to prepare students to enter the work force at an entry-level truck driving position. This program is provided by Vincennes University at the Aviation Technology Center at Indianapolis International Airport. This is a second semester course, open only to seniors who will be 18 by April 1. Students can earn three (3) high school credits and nine (9) college credits by taking this course. Prerequisites: Must sign up before count day in fall of senior year; must have CDL Learner's permit before start of class; must pass physical exam and drug screen.

FRANKLIN COMMUNITY HIGH SCHOOL

COURSE DESCRIPTION AND PLANNING GUIDE

2011-2012

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FRANKLIN COMMUNITY HIGH SCHOOL

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