

Lake Central High School

2012-2013

Course Selection Guide



A MESSAGE FROM THE PRINCIPAL

I would like to personally welcome you to Lake Central High School. The LCHS Curriculum Guide was developed to assist you in planning your program of study at Lake Central High School. Through our curriculum, we strive to develop in our students the capacity to think accurately, communicate clearly, and respond wisely.

After studying this booklet, you will have the opportunity to choose courses that fulfill Indiana graduation requirements, meet your individual needs in terms of college and career readiness, and satisfy your unique interests. Ultimately, we hope our courses help you prepare for life in the twenty-first century.

The Lake Central staff encourages you to take full advantage of the outstanding educational and extracurricular opportunities available to you.

Most importantly, we invite your entire family to be an active part of Lake Central High School. Students' academic success can be directly related to the interest and support parents display. There is absolutely no substitute for parents who are interested in their student's performance at school.

Mr. Robert McDermott, Principal

Before anything else, preparation is the key to success.

Alexander Graham Bell

WELCOME TO THE LAKE CENTRAL FRESHMEN CENTER

I welcome you to the Lake Central Freshmen Center. The Lake Central School Corporation established the Freshmen Center in order to provide our students with opportunities for a more successful transition to high school. Since 1993 the Freshmen Center has served as a “gateway” to Lake Central High School.

At the Freshmen Center, our focus is on academic success, as well as the overall development of our students. In addition to our exceptional academic programs, we offer a full range of extracurricular activities and student support programs for our freshmen.

The staff of the Freshmen Center is committed to the success of each of our students. I challenge you to take advantage of the opportunities provided to you!

Mr. Ken Miller, Freshmen Center Principal

GUIDANCE OFFICE

Hours: 6:45 a.m. – 2:45 p.m.

HIGH SCHOOL: 219/365-8551

Mrs. Croft, Registrar	Ext. 245
Mrs. Dierks, Secretary	Ext. 205
Mrs. Musashe, Secretary	Ext. 229

FRESHMEN CENTER: 219/365-2760

Mrs. Talaber, Secretary	Ext. 267
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COUNSELOR ASSIGNMENTS**GRADE 9**

A-L	Mrs. May	Ext. 268
M-Z	Mrs. Serynek	Ext. 269

GRADES 10-12

A-C	Mrs. Ochman	Ext. 234
D-G	Mrs. Bankroff	Ext. 231
H-K	Mrs. Wright	Ext. 230
L-OI	Mrs. Bowman	Ext. 232
Om-Sk	Ms. Chappell	Ext. 233
SI-Z	Mrs. Churilla	Ext. 243

Although students are assigned a specific counselor, this assignment is for scheduling, programming, and organizational purposes. Students are free to see any of the counselors if they so desire.

GUIDANCE AND COUNSELING

Guidance is the total activity involved in aiding all students to grow in self-understanding and self-direction and to aid student development both socially and scholastically.

Counselors give students assistance by:

1. Dealing with current personal, social, and educational concerns of students.
2. Providing information and assistance to individual students on planning for their education or work beyond high school, including assistance in submitting applications.
3. Planning a high school program to meet entrance requirements of various post-high school educational institutions or entry level jobs.
4. Helping students investigate possible career/vocational and/or college choices.
5. Helping students adjust to a new school.

All student records and personal information is considered private and confidential. Information will not be released to third parties without written consent of the parent or the student who is of legal age. No third party recipient of records shall release any part without written consent.

GRADUATION REQUIREMENTS

CREDITS

Every student must have at least 46 credits in order to receive a diploma from Lake Central High School. One credit is given for each class passed each semester. If a student retakes a course, both grades appear on the student's transcript; but only one credit is given.

SUBJECT REQUIREMENTS

Every student must successfully complete the following courses:

4 years English	1 year Geography & History of the World
3 years math (Algebra I, Geometry and Algebra II)	OR 1 year World History – 9 th grade
3 years science	1 year U.S. History – 11 th grade
1 year Physical Education – 9 th grade	1 semester Government – 12 th grade
1 semester Health – 9 th or 10 th grade	1 semester Economics – 12 th grade
1 semester Speech – 10 th grade	1 semester Personal Financial Responsibility – 11 th grade (effective with the class of 2013)

INDIANA CORE 40 (Lake Central students must earn 46 credits)

STUDENTS:

- Must meet the Core 40 standard to be considered for admission to an Indiana four-year college or university.
- Should meet the Core 40 standard to ensure success in one-year and two-year college and technical training programs.
- Should meet the Core 40 standard to ensure success in the workforce.

Succeeding with Core 40

Core 40 becomes Indiana's required high school curriculum with the class of 2010. Students entering high school at that time will be expected to complete Core 40 as a graduation requirement.

By providing all Indiana students a balanced sequence of academically rigorous high school courses in the core subjects of English/language arts, mathematics, science, and social studies; physical education/health and wellness; and electives including world languages, career/technical, and fine arts, the Core 40 requirement gives all our students the opportunity to compete with the best.

To graduate with less than Core 40, a student must complete a formal opt-out process involving parental consent. See your school counselor for full details.

For more information about Core 40 and your career and course plan, see your counselor and/ or visit Learn More Resource Center at www.learnmoreindiana.org.

Ninth-grade students should develop a career and academic plan with their parents and guidance counselors. The Indiana Core 40 requirements guide this planning process.

GRADUATION REQUIREMENTS CLASS OF 2013, 2014 and 2015

	CORE 40	CORE 40 WITH TECHNICAL HONORS	CORE 40 WITH ACADEMIC HONORS
ENGLISH	8 credits English 9, 10, 11, 12	8 credits English 9, 10, 11, 12	8 credits English 9, 10, 11, 12
MATH	6 credits Algebra I Geometry Algebra II	6 credits Algebra I Geometry Algebra II	8 credits Algebra I, Geometry, Algebra II and Pre-Calculus or Statistics or Trigonometry or Discrete Math
SCIENCE	6 credits Integrated Chemistry/Physics Biology And two credits from: Chemistry Advanced Biology Physics Anatomy & Physiology Honors Chemistry Support Advanced semester science courses – see course listing.	6 credits Integrated Chemistry/Physics Biology And two credits from: Chemistry Advanced Biology Physics Anatomy & Physiology Honors Advanced semester science courses – see course listing.	6 credits Integrated Chemistry/Physics Biology And two credits from: Chemistry Advanced Biology Physics Anatomy & Physiology Honors Advanced semester science courses – see course listing.
SOCIAL STUDIES	6 credits Geography & History of the World or World History and U.S. History, Govt (s), Econ (s)	6 credits Geography & History of the World or World History and U.S. History, Govt (s), Econ (s)	6 credits Geography & History of the World or World History and U.S. History, Govt (s), Econ (s)
BUSINESS	Personal Financial Resp. (s) 1 credit	Personal Financial Resp. (s) 1 credit	Personal Financial Resp. (s) 1 credit
HEALTH (s)	1 credit	1 credit	1 credit
P.E.	2 credits	2 credits	2 credits
SPEECH (s)	1 credit	1 credit	1 credit
	5 directed electives from the following: World Languages Fine Arts Career/Technical	5 directed electives from the following: World Languages Fine Arts Career/Technical	WORLD LANGUAGE (6 or 8 credits) 3 years of one language or 2 years each of two languages
	10 elective credits	11 elective credits	FINE ARTS 2 credits from: Intro 2-D Art Intro 3-D Art Ceramics I/II (s) Theater Arts Technical Theater Music Theory I/II (s) Music History/Appreciation (s) Band or Choir or Hand Bells Dance Performance (Color Guard/ Winter Guard) Digital Photography (s)
		Must also: -earn a grade of "C" or better in required courses -have overall G.P.A. of "B" or better -complete a career-technical program (8 or more related credits) -complete two of the following, one must be A or B: A. Score at or above the following levels on WorkKeys: Reading for Information – Level 6; Applied Math Level 6; Locating Info – Level 5 B. Complete dual high school/college credit courses in a technical area (6 college credits) C. Complete a Professional Career Internship course or Cooperative Education course (2 credits) D. Complete an industry-based work experience as part of 2-year Tech Ed program (minimum 140 hours) E. Earn a state-approved, industry-recognized certification	4 – 8 elective credits Must also: -earn a grade of "C" or better in required courses -have overall G.P.A. of "B" or better -complete one of the AHD requirements listed below*
TOTAL	46 CREDITS	47 CREDITS	47 CREDITS

*In addition, complete one of the following for the Core 40 with Academic Honors Diploma:

- Complete AP courses (4 credits) **and** corresponding AP exams
- Complete dual high school/college credit courses resulting in 6 transferable college credits
- Complete a combination of AP course (2 credits) **and** corresponding AP exam **and** dual high school/college course(s) resulting in 3 transferable college credits
- Earn a combined score of 1200 or higher on the SAT critical reading and math
- Score a 26 or higher composite on the ACT

(s) semester

GRADUATION REQUIREMENTS CLASS OF 2015

	CORE 40	CORE 40 WITH TECHNICAL HONORS	CORE 40 WITH ACADEMIC HONORS
ENGLISH	8 credits	8 credits	8 credits
	English 9, 10, 11, 12	English 9, 10, 11, 12	English 9, 10, 11, 12
MATH	6 credits	6 credits	8 credits
	Algebra I	Algebra I	Algebra I, Geometry, Algebra II and
	Geometry	Geometry	Pre-Calculus or Statistics or
	Algebra II	Algebra II	Trigonometry or Discrete Math
SCIENCE	6 credits	6 credits	6 credits
	Biology	Biology	Biology
	Chemistry	Chemistry	Chemistry
	and two credits from:	and two credits from:	and two credits from:
	Advanced Biology	Advanced Biology	Advanced Biology
	Physics	Physics	Physics
	Anatomy & Physiology Honors	Anatomy & Physiology Honors	Anatomy & Physiology Honors
	Advanced semester science	Advanced semester science	Advanced semester science
	courses – see course listing	courses – see course listing.	courses – see course listing.
SOCIAL STUDIES	6 credits	6 credits	6 credits
	Geography & History of the World or	Geography & History of the World or	Geography & History of the World or
	World History and	World History and	World History and
	U.S. History, Govt (s), Econ (s)	U.S. History, Govt (s), Econ (s)	U.S. History, Govt (s), Econ (s)
BUSINESS	Personal Financial Resp. (s) 1 credit	Personal Financial Resp. (s) 1 credit	Personal Financial Resp. (s) 1 credit
HEALTH (s)	1 credit	1 credit	1 credit
P.E.	2 credits	2 credits	2 credits
SPEECH (s)	1 credit	1 credit	1 credit
	5 directed electives from the following:	Minimum of 6 directed electives from the State Approved College & Career Pathway AND earn 1 of the following:	WORLD LANGUAGE (6 or 8 credits)
	World Languages	- Pathway designated industry based certification or credential	3 years of one language or
	Fine Arts	- Pathway designated dual high school and college credit courses resulting in 6 verifiable college credits	2 years each of two languages
	Career/Technical		
	10 elective credits	10 elective credits	FINE ARTS 2 credits from:
			Intro 2-D Art
			Intro 3-D Art
		Must also:	Ceramics I/II (s)
		-earn a grade of "C" or better in required courses	Theater Arts
		-have overall G.P.A. of "B" or better	Technical Theater
		-complete a career technical program	Music Theory I/II (s)
		(8-10 related credits)	Music History/Appreciation (s)
		- complete one of the following:	Band or Choir or Hand Bells
		A. Any of the options listed under the Core 40 With Academic Honors Diploma	Dance Performance (Color Guard/ Winter Guard)
		B. Earn the following minimum scores on WorkKeys – Reading for Information (level 6)	Digital Photography (s)
		Applied Mathematics (level 6), Locating Information (level 5)	
		C. Earn the following minimum scores on Accuplacer: Writing 80, Reading 90, Math 75	4 – 8 elective credits
		D. Earn the following minimum scores on Compass: Algebra 66, Writing 70, and Reading 80	Must also:
			-earn a grade of "C" or better in required courses
			-have overall G.P.A. of "B" or better
			-be enrolled in "mathematical" or "Quantitative Reasoning" course senior year
			- complete one of the AHD requirements listed below*
TOTAL	46 CREDITS	47 CREDITS	47 CREDITS

*In addition, complete one of the following for the Core 40 with Academic Honors Diploma:

- Complete AP courses (4 credits) **and** corresponding AP exams
- Complete dual high school/college credit courses resulting in 6 transferable college credits
- Complete a combination of AP course (2 credits) **and** corresponding AP exam **and** dual high school/college course(s) resulting in 3 transferable college credits
- Earn a combined score of 1750 or higher on the SAT with a minimum score of 530 on each section
- Score a 26 or higher composite on the ACT

(s) semester

STUDENT CLASSIFICATION

Students are classified based on the number of years they have been attending high school. In order to participate in certain activities or receive certain privileges (parking, dances, etc.), a student may need to acquire a minimum number of credits.

ISTEP+ GRADUATION QUALIFYING EXAM/END OF COURSE ASSESSMENT (ECA) EXAMS

Based on requirements from the Indiana Department of Education, students are required to pass the ECA exam in Algebra I and English 10. An opportunity to appeal for a diploma will be made available to students who do not pass these requirements.

BLOCK SCHEDULING

Classes meet every other day for approximately a 90-minute block of time. Students select eight courses per semester.

Each semester a student must be enrolled in seven academic classes. SPT and aide positions are not academic classes.

Sample Student Schedule**Monday (Blue Day)**

Period 1 English 10
 Period 2 Spanish II
 Period 3 Drafting I
 Period 4 Adv. P.E.

Tuesday (White Day)

Period 5 Geometry
 Period 6 Foods I/Foods II
 Period 7 Chemistry
 Period 8 Accounting I

Classes that meet on Monday, Wednesday, and Friday of one week will rotate to Tuesday and Thursday the following week.

GRADE REPLACEMENT POLICY

When a student retakes any course, only the higher grade will be calculated in the student's grade point average and the lower grade will be treated as an audit. All grades will remain on the transcript.

ALTERNATIVES TO THE TRADITIONAL BLOCK 8 SCHEDULE

Seniors have the opportunity to select an alternative to the traditional Block 8 schedule.

Students are allowed the opportunity to attend classes in the morning (periods 1, 2, 5, and 6) or in the afternoon (period 3, 4, 7, and 8) and then allowed to pursue one of the following alternatives.

Option 1 – Internet Classes (Virtual Academy)

Students will be able to take online courses in order to earn credits to complete their high school education. Students will receive one credit for each internet class that is completed successfully.

Option 2 – Exploratory Teaching (afternoon only)

Students planning to pursue a career in education (who have at least a 2.75 grade point average) will be able to leave the high school and work with a teacher in a Lake Central elementary school in the afternoon. Students will observe, help with projects, and work with individual students in a teaching situation. Students will receive four credits per semester for this teaching experience. Application is required.

Option 3 – Attend classes at a local college campus (afternoon only)

Students will be able to attend college courses at a local college (Purdue University Calumet, Indiana University Northwest or Ivy Tech Community College) in the afternoon. Students must enroll in at least 2 classes each semester.

Option 4 – Professional Career Internship Program (This can be taken for one semester or all year)

Do you want to know if your desired career goal is a fit for you? Students will receive a placement in a local business and work alongside a professional in their desired career field. These interns will report to the training site in the afternoon. In addition to the work experience, students will have at least 15 hours of classroom instruction per semester. Students will receive two credits each semester for the internship program. Gaining work experience may open the door to new opportunities and help students network with professionals in their career interest.

Option 5 – Area Career Center

Students will be able to attend one of the classes offered at the Area Career Center in the morning. Transportation will be provided to and from the Career Center. Students will then return to Lake Central for periods 3 and 4 on Blue Day and for periods 7 and 8 on White Day. Students will earn three credits per semester for the Career Center course. **Student's social security number is required to receive vocational funding for this class.**

GENERAL INFORMATION

STANDARDS OF GRADING

GPA Index Scale for Plus (+) and Minus (-) Grades

A	=	4.00
A-	=	3.67
B+	=	3.33
B	=	3.00
B-	=	2.67
C+	=	2.33
C	=	2.00
C-	=	1.67
D+	=	1.33
D	=	1.00
D-	=	0.67

All accelerated classes are identified with Honors, Merit, or AP and will reflect an additional 1.0 on the grade index. A grade of "D" in an accelerated class **will not** be awarded the additional 1.0 weighting.

Classroom teachers will recommend students for enrollment in honors classes based upon classroom performance and certain test scores. Several honors and Advanced Placement classes are available to all students who wish to pursue a more rigorous curriculum.

Honor roll is based on a 3.0 GPA. The requirement for high honor roll is a 3.67 GPA.

RDS PARENT ACCESS

Students and parents can check grades, receive e-mail alerts, and read class-related information through Web-based RDS Parent Access. Parent activation codes can be obtained from the Technical Department by emailing rdsparent@lcscmail.com or by calling 558-2727.

CLASS RANK AND GRADUATION HONORS

On August 17, 2009, the Lake Central School Board adopted a policy to eliminate class rank from the high school transcript. Board Policy 007.22 will take effect with the graduating class of 2012. There will no longer be a class valedictorian and salutatorian. The following honor groups will be in place.

Distinguished Honors at Graduation

Grade point average is based on a 4.0 scale. A weighted factor is used for honors and advanced placement classes resulting in an individual's GPA exceeding a 4.0.

Three distinct classifications will be recognized: **Summa cum laude**, "With highest honor" (direct translation: "with highest praise") will be individuals at and above a GPA of 4.5. **Magna cum laude**, "With great honor" (direct translation: "with great praise") will be individuals with a GPA between 4.2500 and 4.4999, and **cum laude**, "with honor" (direct translation: "with praise") will be individuals with a GPA between 4.000 and 4.2499. To qualify for any of these distinctions, individuals will need a **minimum of 52 credits** at the end of the 8th semester.

EARLY GRADUATION

Students who have completed all graduation requirements may graduate early. Students need to plan ahead carefully if they plan to pursue this option.

INDIANA DEPARTMENT OF EDUCATION DUAL CREDIT RULE (off-campus)

Under certain circumstances, students may be released from their high school schedule to attend college classes and apply the credits earned toward high school graduation. Parents interested in pursuing this option for their son and daughter should contact the guidance director for specific information.

DUAL CREDIT (on-campus)

Certain classes at LCHS have been identified as dual credit. Dual credit courses are authorized by an agreement with a local college or university. Students must meet all university requirements to be eligible for college credit. In some cases, students will be required to pay a fee to the university to receive the appropriate college credit. For more information, please contact the guidance department.

OUTSIDE CREDIT

Students may take courses by correspondence and/or adult education during any semester. Students must be enrolled in eight credit hours at Lake Central during that semester and receive the approval of their respective counselor and assistant principal.

REPORT CARDS

Report cards are issued every 9-weeks. Students are expected to deliver these reports to their parents/guardians. End-of-year report cards are mailed home. Students and parents can check grades, receive e-mail alerts, and read class-related information through Web-based RDS Parent Access. Parent activation codes can be obtained from the Technical Department by e-mailing rdsparent@lcscmail.com or by calling 558-2727.

SCHEDULE CHANGES

Students are expected to remain on the schedule that is provided for them at the beginning of the school year. Parents must approve all changes. During the scheduling process for the next school year, requests for changes are subject to course availability and should be made by May 1. No changes are allowed after July 30.

SCHOLARSHIP INFORMATION

All information about scholarship opportunities is disseminated to students through numerous daily announcements, senior newsletters, and through articles in the school paper. File online for the **Free Application for Federal Student Aid (FAFSA) Form** via www.fafsa.ed.gov beginning in January of the student's senior year. In addition, **Profile Form Applications** are available online. This form is required by many private institutions for financial aid purposes.

HONORS/ADVANCED PLACEMENT CLASSES

In conformity with the purpose and philosophy of Lake Central High School, programs and courses are provided which meet the needs and individual differences of the superior student through honors courses and accelerated programs.

To best meet the needs of students, teacher analysis of the student's potential is imperative. If a change is warranted, it should be initiated.

Teachers will make recommendations for changes during the first six weeks of the semester. Students will not be allowed to request a change in levels after the six-week period. If a student's grade falls below a weighted 3.0 for the semester, the student should give serious consideration to transferring to the regular course second semester. Teachers may also recommend a student's transfer from a regular course to an honors course if class performance is exceptional.

HONORS/AP CLASSES

Advanced Placement Courses/Sequencing

9th Grade

- AP Human Geography

10th Grade

- AP European History
- AP Government
- AP US History
- AP Music Theory
- AP Psychology

11th Grade

- AP English 11 (Language)
- AP Statistics
- AP Biology
- AP Chemistry
- AP Physics B
- AP Computer Science A
- AP Studio Art: 3D
- AP Studio Art 2D

12th Grade

- AP English 12 (Literature)
- AP Calculus AB
- AP Calculus BC
- AP German Language and Culture
- AP Spanish *
- AP French Language and Culture
- AP Microeconomics
- AP Macroeconomics

Students are eligible to take the AP courses listed for their grade or any course from a previous grade level. Prerequisites, if applicable, must be completed prior to enrolling in an Advanced Placement course.

Honors Courses

English

English 9 Honors
English 10 Honors
English 9 Merit
English 10 Merit
Media Arts: Publishing Honors

Mathematics

Geometry Honors
Algebra II Honors
Pre-Calculus Honors

Science

Biology Honors
Chemistry Honors
Advanced College Project Chemistry (ACP)
Physics Honors
Anatomy & Physiology Honors

Social Studies

U.S. History Honors
Government Honors
Economics Honors

World Languages

French III Honors
French IV Honors
German III Honors
German IV Honors
Spanish III Honors
Spanish IV Honors

FOUR-YEAR PLAN SHEET

This four-year plan sheet is intended as a blueprint for your high school success. We encourage you to enlist the aid of your parents in selecting courses which will meet your educational career plans. The plan sheet can be revised at any time and will provide an overall view of your academic goals.

9th Grade

1st Semester	2nd Semester
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8

10th Grade

1st Semester	2nd Semester
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8

11th Grade

1st Semester	2nd Semester
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8

12th Grade

1st Semester	2nd Semester
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8

MATHEMATICS

Algebra I	R	
Geometry	R	
Geometry Honors		
Algebra II	R	
Algebra II Honors		
Pre-Calculus		D*
Pre-Calculus Honors		
Discrete Math (Finite Math)		D*
Trigonometry (s)		
Statistics (s)		
AP Statistics		
AP Calculus AB		D
AP Calculus BC		D

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			12

MUSIC

Junior Treble Choir		
Senior Treble Choir		
Varsity Choir		
Concert Choir		
Symphonic Band		
Concert Band		
Wind Ensemble		
Percussion Ensemble (s)		
Percussion Ensemble II (s)		
Jazz Ensemble I		
Jazz Ensemble II		
Electronic Music (s)		
Dance Performance (Color Guard) (s)		
Dance Performance (Winter Guard) (s)		
Music Theory I (s)		
AP Music Theory		
Music History/Appreciation (s)		
Hand Bells I		
Hand Bells II		
Hand Bells III		

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	10	11	12
9	10	11	12
	10	11	12
		11	12

SCIENCE

Biology	R	
Biology Honors		
AP Biology		D*
Chemistry	R	
Chemistry Honors		
Chemistry Support		

9			
9			
		11	12
	10	11	12
	10	11	12
	10	11	12

1 additional year of science is required from the courses below:

Advanced Chemistry (ACP)		D
AP Chemistry		
Physics		D*
Physics Honors		
AP Physics B		
Anatomy & Physiology Honors		D*
Astronomy (s)		
Environmental Science (s)		
Kinesiology & Applications (s) #		
Human Genetics (s)		
Zoology (s)		
Biotechnology Honors #		
Forensic Science (s)		
Botany (s)		
Marine Biology (summer only) (s)		
# Due to recent changes, this course will not count as a science credit towards the Core 40 Diploma		

		11	12
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		11	12
	10	11	12

SOCIAL STUDIES

Geography & History of the World	R	
AP Human Geography		
Contemporary U.S. History (s)		
Contemporary World Affairs (s)		
World History		
AP European History		
U.S. History	R	D*
U.S. History Honors		D*
AP U.S. History		
Sociology (s)		D
Psychology (s)		
AP Psychology		
Government (s)	R	D
Government Honors (s)		D
AP Government (s)		
Economics (s)	R	
Economics Honors (s)		
AP Macroeconomics (s)		
AP Microeconomics (s)		

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	10	11	12
			12
			12
			12

TECHNOLOGY EDUCATION

Design Process (Drafting I)		
Engineering Technology (D. 2)		
Comp. in Design & Prod. Sys (D. 3)		D

9	10	11	12
	10	11	12
		11	12

PHYSICAL EDUCATION

Secondary Phy Ed I/II-pool (s)	R	
Secondary Phy Ed I/II-gym (s)	R	
Fitness Training for Life (s)		
Sports Conditioning (s)		
Life Saving & Water Safety (s)		
Leisure time Sports (s)		
Health (s)	R	
Lifeguard		
Life Saving II (s)		

9			
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	10	11	12
9	10	11	12
	10	11	12
	10	11	12

VOCATIONAL EDUCATION

Vocational Graphics I		
Vocational Graphics II/III		D
Vocational Machine I		
Vocational Machine II/III		D
Vocational Automotive I		
Vocational Automotive Tech AM		D
Vocational Automotive Tech PM		D

9	10	11	12
	10	11	12
9	10	11	12
	10	11	12
	10	11	12
		11	12
		11	12

WORLD LANGUAGES

French I, II, III, IV		
French III Honors		D
French IV Honors		D
AP French Language & Culture		
Spanish I, II, III, IV		
Spanish III Honors		D
Spanish IV Honors		D
AP Spanish Language & Culture		
German I, II, III, IV		
German III Honors		D
German IV Honors		D
AP German Language & Culture		

9	10	11	12
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AREA CAREER CENTER

Auto Technology		
Entrepreneurship Academy		
Collision & Refinishing Technology		
Computer Information Technology		
Construction Technology		
Criminal Justice & Law		
Culinary & Pastry Arts Sciences		
Dental Assisting		
Early Childhood Education Services		
Multimedia Editing & Production		
Welding Technology		

		11	12
		11	12
		11	12
		11	12
		11	12
		11	12
		11	12
		11	12
		11	12
		11	12
		11	12

MISCELLANEOUS

Peer Mentoring (s)		
SAT Prep (s)		
ECA Remediation (E/LA) (S)		
ECA Remediation (Math) (S)		
SPT (Study Hall-no credit)		
Exploratory Teaching		
College Courses		
Internship		
Community Service (s)		

	10	11	12
		11	12
9	10	11	12
9	10	11	12
9	10	11	12
			12
			12
		11	12

COURSE DESCRIPTIONS

*= Pending

ART – (Fine Arts)

Introduction to Two-Dimensional Art

Prerequisite: None

2 semesters, 2 credits

Art I emphasizes drawing, color theory, and the principles and elements of art. Areas covered are: drawing, painting, printmaking, design, art appreciation, art history, careers, and current trends in art. Students will examine the significance and meaning of their own art, as well as the art done by famous artists.

Advanced Two-Dimensional Art

Prerequisite: Introduction to Two-Dimensional Art

2 semesters, 2 credits

Students in Advanced Two-Dimensional Art (Art II) build on the sequential learning experiences of Introduction to Two-Dimensional Art. Students will engage in learning experiences that explore art history, art criticism, and studio production. Students must have access to a 35 mm camera.

Advanced Two-Dimensional Art III/IV

Prerequisite: Advanced Two-Dimensional Art

2 semesters, 2 credits

Art III provides sequential learning experiences building on the fundamental skills learned in the previous class. The production of an art portfolio will be discussed as well as art careers. The fourth year of Art is for the serious art student who wants to polish his skills and add to his portfolio. Problem solving and self-criticism is emphasized.

Introduction to Three-Dimensional Art

Prerequisite: None

2 semesters, 2 credits

Students taking Introduction to Three-Dimensional Art engage in learning experiences that encompass the study of historical and current trends in art. This information can then be incorporated into their own art. Course projects include working in the following mediums: sand, clay, wood, fiber, plaster, plastic, glass, glass-fusing, glass slumping, and jewelry making.

Advanced Three-Dimensional Art

Prerequisite: Introduction to Three-Dimensional Art

2 semesters, 2 credits

Students in Advanced Three-Dimensional Art build on the sequential learning from Introduction to Three-Dimensional Art while further enhancing their artistic creativity in more technical design ideas and projects. Further study in art history, art theory, and art criticism are incorporated into the curriculum.

AP 3 D Design (Glasswork)

Prerequisite: Recommended Advanced Three-Dimensional Art

2 semesters, 2 credits

For this course, students are asked to demonstrate mastery of 3-D design through and three dimensional approach, including, but not limited to, figurative or nonfigurative sculpture, architectural models, metal work, ceramics, glasswork, plaster, wood, installation, assemblage, and 3-D/fiber arts. Students will work to assemble a portfolio for submission to the College Board in hopes of earning credits which are transferable to colleges and universities.

Ceramics I

Prerequisite: None

1 semester, 1 credit

This course is an introduction to clay and its properties. Students learn the fundamentals of pinch, coil, and soft slab hand building techniques. Emphasis will be placed on proper construction, surface design, and glaze options. Students will evaluate and self-critique their own work.

Ceramics II

Prerequisite: Ceramics I

1 semester, 1 credit

This course further explores hand building with an introduction to sculpture, stiff slab, and advanced decorating. Students will also learn the fundamentals of wheel throwing with stress on proper techniques and skill for success. Emphasis placed on design aesthetics, more advanced glazed and staining techniques, visual problem solving, art criticism, and self-critique.

Advanced Ceramics**Prerequisite: Ceramics II****1 semester, 1 credit**

This course is designed to sharpen skills in either (or both) wheel throwing and hand building techniques. An advanced study in surface and glaze analysis, form, function, and design is explored. Emphasis is placed on creativity, skill, and craftsmanship. Students wishing to take AP Ceramics may continue in this course for the entire school year.

AP Studio Art: 3D Design (Ceramics)**Prerequisite: Ceramics I and II and Advanced Ceramics****2 semesters, 2 credits**

This course is designed for the advanced level student who is serious about developing their skills with clay. Emphasis will be on quality, technical skills, investigation and exploration of concepts. Students must be willing to accept the committed challenge of a focused and rigorous art program. This course provides the advanced art student a rewarding opportunity to develop artistic skills while building and preparing a portfolio. This may then be submitted for evaluation to receive college credit and/or advanced placement credit for a college art course college elective.

AP Studio Art: 2D**2 semesters, 2 credits****Prerequisite: Recommended Intro to Two-dimensional Art and Advanced Two-dimensional Art and Art Teacher recommendation.****This course will meet concurrently with Art IV.**

Studio Art-AP is a course for students who are serious about developing their portfolio of artwork in a concentrated area through the improvement of technique and design skills. In order to provide additional time for portfolio development, this course may be taken as a two-year extended study with credit awarded in the 2-year course as AP. At the completion of the first year, students have an option to continue into the second year. Focus will be on the quality, concentration, and breadth of work produced. Creative thought is essential, combined with the investigation of concepts, issues, and personal themes and subject matter through individual research and involved decision making. Students are challenged to become independent thinkers who will contribute inventively and critically to their culture through the making of art. Students will develop ideas through their sketchbook, explore artist connections, and present their work through critiques and exhibitions. Students must be willing to accept the committed challenge of a rigorous studio art program, and formal evaluations will be made according to national standards of performance through an examination of completed portfolio work. Along with the chance to receive college credit and/or advanced placement for college, Studio Art-AP offers the advanced art student a rewarding opportunity to develop artistic skills while building and preparing a portfolio of art for college or work.

BUSINESS**Business Foundations****(Dual Credit)****Prerequisite: None****2 semesters, 2 credits****Recommended: Digital Communication Tools I/Computer Applications I**

Business Foundations is an introductory business course that examines the American business system in relation to the economic society. It is an introductory business course that studies economics, entrepreneurship, business ownership, organization principles and problems, management, marketing, control facilities, law, risk management, banking, personal finance, administration, careers in business and development practices of American business enterprises. It is designed to get the student started in the world of business, whether as a consumer, an employee, or a citizen. The importance and application of business etiquette and ethics are also included. **Juniors and seniors may be eligible to earn three college credits by taking this course.**

Business, Management, and Finance**(Dual Credit)****Prerequisites: Accounting I, Computer Applications****2 semesters, 2 credits**

Thinking about owning your own business or entering the field of management? Are you considering a major or minor in business? Business, Management, and Finance is an advanced business course that prepares students to plan, organize, direct, and control the functions and processes of a firm or organization and to perform business-related activities. Students are provided opportunities to develop attitudes and apply skills and knowledge in the areas of business, management, and finance through hands-on experience in group projects, class discussions, guest speakers, field trips, simulations, and internet projects. **Juniors and seniors may be eligible to earn three college credits by taking this course.**

Digital Communication Tools I- Keyboarding**Prerequisite: None****1 semester, 1 credit**

DCT I is the foundational course for all future computer courses. Students will learn a variety of input technologies including touch keyboarding, speech recognition, handwriting recognition along with up-to-date software to effectively handle communication competencies needed for personal, college, and professional requirements. They will improve their speed and accuracy using these devices and will apply their skill through the preparation of memos, emails, letters, MLA reports, and tables.

Preparing for College and Careers**Prerequisite: None****1 semester, 1 credit**

Learn how to be successful and never work a day in your life. The premise is that if you like what you do for a living, it doesn't seem much like work. In this class, students will be exposed to career options they never knew were available. They will hear from successful professional people what it takes to rise to the top of their career field. Students will explore their interests, abilities, and values to determine potential career paths. In addition to identifying and investigating career paths, students will learn how to manage their jobs once they've begun work. They also will learn how to handle their personal finances, prepare federal tax forms, and invest in the stock market. Students will become knowledgeable consumers of news media to understand how economic, financial, political, national, and world events may impact their careers and career goals. Students will also develop learning strategies and acquire life-long success skills (including time management, prioritization, and problem solving). **Student's social security number is required to receive vocational funding for this class.**

Accounting I**Prerequisite: None****(Dual Credit*)****2 semesters, 2 credits**

Students learn skills that can be used to obtain entry-level jobs or to start one's own business, such as tax preparation, record keeping, bank reconciliation, computer data entry, and payroll preparation. The course can also be used as a stepping stone toward securing a career in accounting, investing, or any major in business. Any student planning to major in business in college is highly recommended to complete at least one year of accounting. Accounting software such as QuickBooks and Peachtree are also learned. **Juniors and seniors may be eligible to earn three college credits by taking this course.**

Accounting II**Prerequisite: Accounting I****2 semesters, 2 credits**

Second-year accounting emphasizes accounting practices and principles using practical applications that allow students to learn skills which can be used to gain jobs such as payroll clerk, accounts receivable and accounts payable clerk, along with data entry for QuickBooks and Peachtree Accounting software. Students work with tax preparation for business as well as individuals, financial statement preparation for sole proprietorships, partnerships, and corporations, and the use of Excel for preparing spreadsheets. Completing two years of high school accounting goes a long way in preparing students for business majors in college.

Business and Personal Law**Prerequisite: None****1 semester, 1 credit**

Know your rights! Business and Personal Law gives students the edge in understanding the fundamentals of the law in our society. In this class, students experience the law hands-on. Lively class discussions, group work, case studies, Internet projects, and daily discussions on current events make for a relevant and lively classroom atmosphere. During the course of the semester, students learn the details of the law at home and in the workplace. The daily current events discussion assists students in becoming discerning users of credible media to better understand the world around them. The highlight of the course is the mock trial at the end of the semester. Students have the opportunity to test their knowledge by acting as attorneys, witnesses, and researchers in reenacting a real trial.

Marketing Foundations**Prerequisite: None****(Dual Credit)****1 semester, 1 credit**

Want to be a better consumer and learn the fundamentals of marketing? In Marketing Foundations, you can do both! The areas of product development, branding, merchandising, and consumer satisfaction are integral parts of the curriculum. Student activities include: package design, logo creation, sampling, multimedia advertisement design and creation, and improved consumer awareness. **Juniors and seniors may be eligible to earn three college credits by taking this course.**

Entrepreneurship**Prerequisite: Marketing Foundations****1 semester, 1 credit**

This course is an advanced marketing course with an emphasis on starting one's own business. Student projects include designing promotional items on the computer, the planning and implementation of activities related to managing people, writing business plans, and a unit on investing so students will be financially successful. See LC handbook regarding college dual credit.

Fashion Merchandising**Prerequisite: Marketing Foundations****2 semesters, 2 credits**

Fashion Merchandising is an advanced marketing course providing instruction in the marketing of apparel and accessories of all kinds. Students will enter a world of beauty, style, and promotion. Topics relate to apparel design, selling, pricing, distribution, fashion promotion, visual merchandising, fashion cycles, fashion theories, and career opportunities in the fashion industry.

Sports, Recreation, and Entertainment Marketing**Prerequisite: Marketing Foundations****2 semesters, 2 credits**

Sports, Recreation, and Entertainment Marketing is an advanced 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 and within the private sector.

Personal Financial Responsibility**Recommended: Computer Applications I****(Dual Credit)****1 semester, 1 credit**

This is a course of "financial survival" for all students regardless of their future endeavors. This course will focus on many areas of financial planning, such as income, money management, credit and credit cards, investing, checking and savings accounts, loans, interest, taxes, and consumer rights and responsibilities. Tools will include calculators, MS Excel, and the Internet. Guest speakers will help keep students abreast of current information in this ever-changing field. **Juniors and seniors can earn three college credits by taking this course.**

Computer Applications 1 **IT Academy Certification**Prerequisite: Digital Communication Tools I****1 semester, 1 credit**

Technology is everywhere, and you want to be able to discuss, comprehend, and use all that technology offers. Knowledge of hardware, software, and hands-on training using Microsoft Office 2007 Professional Edition will lay the foundation for success in college and future careers. This course is required for many college majors. Students completing this course and Computer Applications Advanced can earn college credit transferable to any Indiana college or university.

Computer Applications Advanced**Prerequisite: Computer Applications I****(Dual Credit)****1 semester, 1 credit**

Expansion of MS Office 2007 Professional software training provides students with the knowledge and skills necessary for success in college and the business world. Integration of application software, group collaboration, decision-making and problem solving activities help students gain confidence in using technology. These skills will benefit students their whole lives. **Juniors and seniors may be eligible to earn three college credits by taking this course.**

Web Design I **IT Academy Certification**Prerequisite: Digital Communication Tools I****1 semester, 1 credit**

Web Design I develops key digital communication skills: design, communication, project management, and Web technology. Key skills are developed in a spiral, as each project adds more challenging skills on foundational proficiencies. Projects range from online logos to electronic portfolios to rich media client Web sites. Each project follows the development process from planning to evaluation. The design and production projects include graphics and images (digital photographs, logo design, page banners, etc.), Web sites (basic client Web sites, Web site redesign, etc.), and rich media (video for the Web, digital narratives, and animation techniques).

Web Design II**Prerequisite: Web Design I****1 semester, 1 credit**

Web Design II is a continuation of developing digital communication skills: design, communication, project management, and web technology. In this course, students will gain hands-on experience with the features of Adobe Flash CS3. Students will first learn how to get started with Flash, how to draw objects, and how to work with symbols and interactivity. Next, they will focus on creating animations, creating special effects, preparing and publishing movies, and importing and modifying graphics. The next part of the course focuses on building complex animations, using ActionScript, adding sound and video, and using advanced ActionScript. Finally, they will learn how to work with behaviors and components.

Desktop Publishing (Computer Graphics) **IT Academy Certification**Prerequisite: Digital Communication Tools I****1 semester, 1 credit**

This one-semester course features applications of a graphical nature. Students develop proficiencies in using desktop publishing and graphics software to create a variety of printed publications as well as animated applications. Students will incorporate journalistic principles in design and layout of print and Web publications including integration of text and graphics, use of multimedia sources (sound, video, animation, graphics), hardware tools (scanners, digital cameras, CD burners, etc.), and sophisticated software (MS Office, Adobe Photoshop, Adobe Illustrator, Adobe InDesign, Adobe Flash, the Internet, etc.) in order to create various graphic/desktop publishing documents.

C++ Programming ** IT Academy Certification**(Dual Credit*)****Prerequisites: Digital Communication Tools I and Algebra I****2 semesters, 2 credits**

C++ Programming is a full-year course designed to provide students with introductory experience of programming logic and the C++ programming language using Visual Studio software. Topics include data types, control structures, functions, arrays, I/O streams, classes, objects, and much more. As a capstone project, students will create, design, and code a text-based game using C++ code and the concepts learned in the course. This course is offered to students who are deeply involved with computers or who intend to study engineering, computer science, mathematics, medicine, business, or any computer-related field in college. **Juniors and seniors may be eligible to earn three college credits by taking this course.**

Visual Basic Programming ** IT Academy Certification**(Dual Credit)****Prerequisites: Digital Communication Tools I and Algebra I****2 semesters, 2 credits**

Visual Basic Programming is a full-year course designed to provide students with a comprehensive hands-on experience in graphically designing and coding computer programs using the Visual Basic programming language and Visual Studio software. This course is designed for students who love computers, math, or visually designing computer programs or games. As a capstone project, students will create, design, and code a game using VB controls, Visual Basic code, and the concepts learned in the course.

AP Computer Science A (Java Programming)**(Dual Credit*)****Prerequisites: Computer Applications I AND C++ OR Visual Basic Programming****2 semesters, 2 credits**

Computer Science A, Advanced Placement (Java Programming) is a full-year course designed to provide students with the content established by the College Board. Topics include: object-oriented program design, program implementation, program analysis, standard data structures, standard algorithms, and computing in context. Computer Science A emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development. **Juniors and seniors may be eligible to earn three college credits by taking this course.**

**The Business Department offers students the opportunity to join and be certified in the IT (Information Technology) Academy. The IT Academy is an Indiana initiative to encourage students to develop proficiencies in the IT area. The courses listed with IT Academy certification represent requirements for the two areas: IT: Interactive Media and IT: Programming and Software Development. Students granted certifications are recognized at Senior Honors Night. See your counselor and/or the Business Department Chair for more information.

COMMUNICATIVE ARTS**Speech****Prerequisite: None****1 semester, 1 credit**

This one-semester course is required of all sophomores. Speech emphasizes introductory public address, speech organization, research, critical listening, and critical thinking. Additional work will be offered in discussion and other forms of interpersonal communication.

Advanced Speech and Communication**Prerequisite: Speech****1 semester, 1 credit**

Advanced Speech is a one-semester elective course. Emphasis will be placed on advanced public address, critical listening, discussion, debate, oral interpretation, and radio/television.

Theater Arts**Prerequisite: None****2 semesters, 2 credits**

Theater Arts is a comprehensive survey of the theater arts field. This course involves acting techniques, stagecraft, theater history, and theater criticism. Principles of theater arts will be applied to work on actual in-class performances.

Advanced Theater Arts**Prerequisites: Application required and Theater Arts****2 semesters, 2 credits**

Advanced Theater Arts is a continuation of Theater Arts with an emphasis on advanced work in all areas. Additional instruction will be offered in directing and acting. Students may take this course twice for credit. Successive semesters of instruction will be at increasingly more advanced levels. Defined standards will be used to evaluate each level.

Technical Theater**Prerequisite: None****2 semesters, 2 credits**

Technical Theater is a one-semester class focused on the non-acting aspects of plays. Emphasis will be placed on sets, lighting, sound, and makeup. The class will look at building sets, creating lighting and sound effects, and applying stage makeup. The application of basic algebra and geometry will be used. Students will be required to commit to some after-school practical experiences as part of the course. A \$20 makeup kit will be purchased during the semester by the student as a part of the class.

Advanced Technical Theater**Prerequisite: Technical Theater or teacher consent****1 semester, 1 credit**

Advanced Technical Theater is a one-semester course that builds off of Technical Theater. Students will learn about the elements of design and then create scenic lighting, sound, costume, and makeup designs for various plays. The end result will be a portfolio of designs ready for presentation. Students will be required to commit to some after-school practical experiences as part of the course. Students may take this course twice for credit.

Introduction to Journalism**Prerequisite: None****2 semesters, 2 credits**

Journalism is open to all students wishing to learn the fundamentals of media writing and production. Students will focus on historical perspectives, law and ethics, media analysis, journalistic writing, technology, design, media careers, and emerging media.

Digital Photography: Media Arts**1 semester, 1 credit****Prerequisite: Must own a digital camera and memory card**

Digital Photography is an introductory course of photojournalism, specifically the type of photography that meets the requirements for publication. People, still life, action, portraits, photo stories as well as digital technology will be discussed and put into practice. Students will be responsible for their own transportation when shooting assignments and also for the purchase of supplies for personal use.

Media Arts: Publishing**Prerequisite: Intro to Journ. or Digital Photo.****2 semesters, 4 credits**

The purpose of the Publishing staff is to produce journalistically sound student media. All students will learn and apply desktop publishing skills, writing, editing, design, leadership, law and ethics, AP Style, photography, public relations, teamwork and communication skills while contributing to the student newsmagazine, yearbook and online news site. Each student is responsible for his or her own transportation to cover events. After-school work time is required.

Media Arts: Publishing Honors – Advanced Writing and Editing**Prerequisite: 1 year of a Publishing staff. Apply to adviser****2 semesters, 2 credits**

This course is open to Publication editors only and provides for further study and practice in analyzing information, interviewing, and note taking for the purpose of writing, editing, and publishing student media. Student editors must plan, publish, fund, market and distribute their publications with direct instruction in law and ethics, AP Style and leadership strategies.

Broadcast Journalism: Media Arts**2 semesters, 2 credits**

Prerequisite: One or more semesters of Introduction to Journalism or Digital Photography and permission of instructor through application.

Students will earn one credit per semester. Second semester enrollment will depend on first semester performance. Students will produce the *Indian Insights* program. This program is seen throughout the school and on the high school Web page. Students will learn camcorders, editing and authoring software, interviewing techniques, and announcing techniques as well as audio and video studio equipment.

ENGLISH

English 9

2 semesters, 2 credits**Prerequisite: None**

Grammar, composition, literature, and vocabulary are integrated into a one-year college prep program. Grammar focuses on the grammar and mechanics of writing. Composition involves the writing process. Various types of writing are taught. The literature component has textbook selections, as well as longer works. Vocabulary is taught both as part of the reading selections and as a separate entity.

English 9 Honors

2 semesters, 2 credits**Prerequisite: None**

Honors English is an accelerated curriculum for the high-ability student who desires an in-depth study of grammar, composition, literature, and vocabulary. Grammar focuses on the grammar and mechanics of writing. Composition involves the writing process. Various types of writing are taught. A genre approach is used for literature, and several longer works, as well as textbook selections, are read. Vocabulary is taught both as part of the reading selections and as a separate entity.

English 9 Merit

2 semesters, 2 credits**Prerequisite: English 8 Merit**

English merit is for the student whose language/composition scores place him or her in the gifted-talented category. English merit is an accelerated curriculum. It involves a more in-depth study of various units than the honors curriculum. Grammar study focuses on the grammar and mechanics of writing. Composition involves the writing process. Various types of writing are taught. A genre approach is used for literature, and many longer works, as well as poetry, non-fiction, and short stories, are read. Vocabulary is taught both as part of the reading selections and as a separate entity.

English 10

2 semesters, 2 credits**Prerequisite: None**

Usage, composition, vocabulary, and literature are integrated into a one-year college prep program. Usage focuses on the grammar and mechanics of writing. Composition involves the writing process. Various types of writing are taught. The literature component has textbook selections, as well as longer works. Vocabulary is taught both as part of the reading selections and as a separate entity.

English 10 Honors

2 semesters, 2 credits**Prerequisite: None**

Honors English is an accelerated curriculum for the high-ability student who desires an in-depth study of grammar, composition, literature, and vocabulary. Grammar focuses on the grammar and mechanics of writing. Composition involves the writing process. Various types of writing are taught. A genre approach is used for literature, and several longer works, as well as textbook selections, are read. Vocabulary is taught both as part of the reading selections and as a separate entity.

English 10 Merit

2 semesters, 2 credits**Prerequisite: English 9 Merit**

For the student whose language/composition scores place him or her in the gifted-talented category, English merit is an accelerated curriculum. It involves a more in-depth study of various units than the honors curriculum. Usage and grammar focuses on the skills necessary for effective writing. Composition involves the writing process. Various types of writing are taught. The literature component has many works, as well as poetry, non-fiction, and short stories. Vocabulary is taught both as part of the reading selections and as a separate entity.

English 11

2 semesters, 2 credits**Prerequisite: None**

Usage, composition, vocabulary, and American literature are integrated into a one-year college prep program. Mastery of standard language conventions is stressed in this course. Composition is taught as a process, and various types of writing and their characteristics are taught. Vocabulary is taught both as part of the selections and as a separate entity. American literature is studied chronologically.

AP English 11**Prerequisite: None****2 semesters, 2 credits**

This class focuses on material and skills appropriate for the AP language and Composition test. AP is a cooperative educational endeavor between secondary schools and post-secondary institutions. Administered by the College Board, the AP program provides capable students the opportunity to earn college credit. **Juniors may be eligible to earn three college credits by taking this course.**

English 12 (Either the Intensive Writing or the Practical Writing course is required for all students not enrolled in English 12 Advanced Placement)

Intensive Writing CP (College Prep)**(Dual Credit)*****1 semester, 1 credit**

This course focuses on the writing skills necessary for college-bound students. Students master language conventions. Composition is taught as a process, and various types of writing and their characteristics are taught. Students also study vocabulary. Models of effective writing are read and analyzed. **Seniors may be eligible to earn three college credits by taking this course.**

Practical Writing TP (Tech Prep)**1 semester, 1 credit**

This course focuses on the workplace and real world writing skills. Students work on the types of writing that are important to master for the workplace. The writing process is emphasized, and various types of writing are taught. Vocabulary is studied both from student's reading and as a separate entity.

In addition to a writing class, each student must successfully complete World Literature.

World Literature**1 semester, 1 credit**

World literature surveys literature written by major authors of the Western and Eastern worlds. This course takes a comparative approach to analyzing representative works produced by writers of various nationalities. Reading, writing, and vocabulary are part of this college prep course.

AP English 12**Prerequisite: None****(Dual Credit)****2 semesters, 2 credits**

This class focuses on the knowledge and skills appropriate for the AP Literature and Composition test. The literature component focuses on an in-depth chronological study of British literature. Students study composition as a process and write a variety of papers. Mastery of language conventions is expected. Vocabulary is studied both as part of the reading and as a separate entity. AP is a cooperative educational endeavor between secondary schools and postsecondary institutions. Administered by the College Board, the AP program provides capable students the opportunity to pursue college-level studies while still in high school. The AP test, which is given in May, affords the opportunity to earn college credit. **Seniors may be eligible to earn three college credits by taking this course.**

Film Literature**Prerequisite: English 10****1 semester, 1 elective credit**

Film Literature, a course based on Indiana's Academic Standards for English/Language Arts and the Common Core State Standards for English/Language Arts, is a study of how literature is adapted for film or media and includes role playing as film directors for selected screen scenes. Students read about the history of film, the reflection or influence of film on the culture, and issues of interpretation, production and adaptation. Students examine the visual interpretation of literary techniques and auditory language in film and the limitations or special capacities of film versus text to present a literary work. Students analyze how films portray the human condition and the roles of men and women and the various ethnic or cultural minorities in the past and present.

Contemporary American Literature**Prerequisite: English 10****1 semester, 1 elective credit**

Contemporary American Literature, a course based on Indiana's Academic Standards for English/Language Arts and the Common Core State Standards for English/Language Arts, is a study of how post-1950s literature from North America addresses contemporary issues. Students examine multiple genres to develop a sense of how particular genres are used today to represent ideas and events. Students analyze different theories and methods of textual criticism especially theories popular currently. Students analyze how the interpretations and themes of contemporary literature read in this course relate to the time period and to historical issues.

Creative Writing**1 semester, 1 elective credit****Prerequisite: English 9**

This course focuses on writing short stories, poetry, plays, and personal essays. It is designed for students who are interested in refining their creative writing skills. Creative Writing may be repeated once for credit.

English as a New Language (ENL)**2 semesters, 2 credits**

This course is designed for students who have been in the U.S. fewer than four years. English as a New Language (ENL) provides ENL students with instruction in English to improve their proficiency in listening, speaking, reading, and writing. Emphasis is placed on helping students function within the regular school setting and within an English-speaking society.

WORLD LANGUAGES**Level I French, German, and Spanish****2 semesters, 2 credits**

Level I world language courses provide instruction enabling students to discuss the many reasons for learning languages and to develop an understanding of the people who speak them. Students are able to apply effective strategies for language learning and show a willingness to experience various aspects of the cultures. Within this context, the course provides students with opportunities to:

- respond to and give oral directions and commands and to make routine requests in the classroom and in public places;
- understand and use appropriate forms of address in courtesy expressions and be able to tell about daily routines and events;
- ask and answer simple questions and participate in brief guided conversations related to their needs and interests;
- read isolated words and phrases in a situational context, such as menus, signs, and schedules;
- comprehend brief written directions and information;
- read short narrative texts on simple topics; and
- write familiar words and phrases in appropriate contexts and respond in writing to various stimuli.

Additionally, students learn:

- about nonverbal communication, such as gestures and body language;
 - about awareness of current events in the cultures;
 - the major holidays and geographical features of the countries being studied;
 - greeting and leave taking behaviors in a variety of social situations;
 - the appropriate way to respond to introductions and use courtesy behaviors; and
 - appropriate etiquette in a variety of social settings.
- a two-credit course based on Indiana's Academic Standards for Level I World Languages

Level II French, German, and Spanish**2 semesters, 2 credits****Prerequisite: World Language I in the language studied**

Level II world language courses enable students to participate in classroom and extracurricular activities related to the language studied as well as to participate in conversations dealing with daily activities and personal interests. Students are able to:

- ask questions regarding routine activities;
- participate in conversations on a variety of topics;
- relate a simple narrative about a personal experience or event;
- interact in a variety of situations to meet personal needs, such as asking permission, asking for or responding to an offer of help, and expressing preferences pertaining to everyday life;
- understand main ideas and facts from simple texts over familiar topics;
- read aloud with appropriate intonation and pronunciation; and
- write briefly in response to given situations, for example postcards, personal notes, phone messages, and directions,
- as well as write letters using culturally appropriate format and style.

Additionally, students become:

- familiar with major geographical features, historical events, and political structures of the country or countries being studied;
- familiar with different aspects of the culture, including the visual arts, architecture, literature, and music, using the world language where appropriate;
- able to extend and respond to hospitality as a host or a guest; and
- aware of time expectations, such as arriving for appointments and social engagements.

Level III French, German, and Spanish**2 semesters, 2 credits****Prerequisites: World Language I and II in the language studied**

Level III Honors and Level III Regular world language courses provide instruction enabling students to understand and appreciate other cultures by preparing social behaviors and values of people using the languages being learned. Students are willing to initiate and participate in discussions concerning these cultures. **We recommend taking the honors course, since this offers the best preparation for college work and affords students an honors point.**

Students can expect to learn to:

***Regular Component:**

- respond to factual and interpretive questions and interact in a variety of social situations, such as expressing regrets, condolences, and complaints, and using more than rote memory formula phrases;
- read for comprehension from a variety of authentic materials, such as advertisements in newspapers and magazines, cartoons, and personal correspondence;
- read short literary selections of poetry, plays, and short stories;
- complete authentic forms and documents and take notes that require familiar vocabulary and structures;
- write paraphrases, summaries, and brief compositions;
- describe different aspects of the culture, using the world language where appropriate, including: (1) major historical events, (2) political structures, (3) value systems, (4) visual arts, (5) architecture, (6) literature, and (7) music.
- seek help in a crisis situation and participate appropriately at special family occasions, such as birthdays, weddings, funerals, and anniversaries.
- increase (significantly) their knowledge of vocabulary.

*The offering of a regular Level III Spanish, French, and German is dependent on the number of requests for each.

Honors Component:**(Dual Credit)**

- begin using language creatively in writing simple prose and poetry.
- read from an expanded number of authentic sources of longer length, such as novels, magazines, plays, etc.
- give short presentations on cultural topics like: (1) traditions, (2) historical and contemporary events, and (3) major historical and artistic figures.
- write longer and more complex compositions on given topics.
- a two-credit course based on Indiana's Academic Standards for Level III World Languages.
- **Juniors and seniors may be eligible to earn three college credits by taking this course.**

Level IV French, German, and Spanish**2 semesters, 2 credits****Prerequisites: World Language I, II, and III in the language studied**

Level IV Honors and Level IV Regular world language courses provide instruction enabling students to participate in classroom and extracurricular activities related to the language studied and taking leadership roles in language clubs. Students are able to participate in conversations with native and advanced non-native speakers. We recommend the "honors" course, since this offers the best preparation for college work and affords students an "honors point". These courses also enable a student to:

***Regular Component:**

- respond to factual and interpretive questions, interact in complex social situations, and express opinions and make judgments.
- give presentations on cultural topics including: (1) traditions, (2) historical and contemporary events, and (3) major historical and artistic figures;
- paraphrase or restate what someone else has said;
- read for comprehension from a variety of longer authentic materials, such as newspapers and magazine articles, novels, and essays, as well as make judgments about what is said;
- write well-organized compositions on a given topic;
- begin using the language creatively in writing simple poetry and prose;
- aware of the relationship between various art forms in major historical periods;
- be able to adjust speech appropriate to the situation and audience;
- be able to participate appropriately in a variety of specific circumstances which could include public meetings, attending concerts, and using public transportation;
- complete other selected topics suggested in the Indiana Standards.

*The offering of regular Level IV Spanish, French, and German is dependent on the number of requests for each.

Honors Component:

(Dual Credit)

- initiate and participate in conversations on current or past events that are of significance in the world language;
- read extensively in the areas of nonfiction, articles in magazines, newspapers, and Internet on topics of current or historical importance;
- analyze main plot, subplots, characters and their descriptions, roles, and significance in the world language;
- summarize articles and readings from authentic sources;
- demonstrate an understanding of the cultural behaviors being learned, both verbal and nonverbal;
- gain a general knowledge of the major literary and artistic movements related to the culture being studied.
- **Juniors and seniors may be eligible to earn three college credits by taking this course.**

AP French Language & Culture

Prerequisite: French III H

2 semesters, 2 credits

French Language, Advanced Placement is based on content established by the College Board. Emphasizing the use of the French language for active communication, the AP French Language course has as its objectives the development of advanced listening comprehension, reading without the use of a dictionary, expanded conversational skills, fluent and accurate written expression, and strong command of vocabulary and structure of the French language. Course content might best reflect interests shared by the students and the teacher, e.g. the arts, current events, sports, etc. Students develop language skills that are useful in themselves and can be applied to various activities and disciplines rather than being limited to any specific body of subject matter. Extensive practice in the organization and writing of compositions should also be emphasized.

AP German Language & Culture

Prerequisite: German III H

2 semesters, 2 credits

German Language, Advanced Placement is a course based on content established by the College Board. Emphasizing the use of the German language for active communication, the AP German Language course has as its objective the development of advanced listening comprehension, reading without the use of a dictionary, expanded conversational skills, fluent and accurate written expression, and strong command of vocabulary and structure of the German language.

Course content might best reflect interests shared by the students and the teacher, e.g. the arts, current events, sports, etc. The AP German Language course seeks to develop language skills that are useful in themselves and that can be applied to various activities and disciplines rather than being limited to any specific body of subject matter. Extensive practice in the organization and writing of compositions should also be emphasized.

AP Spanish Literature Language & Culture

Prerequisite: Spanish III H

2 semesters, 2 credits

Spanish Language, Advanced Placement is a course based on content established by the College Board. Emphasizing the use of the Spanish language for active communication, the AP Spanish Language course has as its objective the development of advanced listening comprehension, reading without the use of a dictionary, expanded conversational skills, fluent and accurate written expression, and strong command of vocabulary and structure of the Spanish language. Course content might best reflect interests shared by the students and the teacher, e.g. the arts, current events, sports, etc. The AP Spanish Language course seeks to develop language skills that are useful in themselves and that can be applied to various activities and disciplines rather than being limited to any specific body of subject matter. Extensive practice in the organization and writing of compositions should also be emphasized.

FAMILY AND CONSUMER SCIENCES (FACS)

Nutrition & Wellness I

Prerequisite: None

1 semester, 1 credit

This is an introductory foods course which emphasizes nutrition, recipe management, and basic skill development in food preparation techniques. Each unit of study culminates in a related lab experience, such as quick breads, fruits, vegetables, eggs, and cookies. Other areas of study are kitchen safety and sanitation. **Student's social security number is required to receive vocational funding for this class.**

Nutrition & Wellness II**Prerequisite: Nutrition & Wellness I****1 semester, 1 credit**

This class builds on the basic skills learned in Nutrition and Wellness I with more advanced culinary skills added. Units on pastry, yeast breads, meats, food labeling, and meal planning and purchasing are studied. Each unit culminates with a lab experience reinforcing the key elements of the unit. **Student's social security number is required to receive vocational funding for this class.**

Advanced Nutrition & Wellness**Prerequisite: Nutrition & Wellness II****1 semester, 1 credit**

This course is designed for students who wish to develop advanced skills in food preparation. Some of the lab experiences include appetizers, desserts, complete meals, fondue, and homemade pasta. Students are responsible to select their own recipes, plan their labs, and evaluate their cooking experiences. **Student's social security number is required to receive vocational funding for this class.**

Human Development & Family Wellness**Prerequisite: None****1 semester, 1 credit**

This course provides the opportunity to gain the knowledge and skills of standard first aid and everyday health practices, including simple home nursing techniques. Rescue breathing, choking, and CPR will be studied. Chronic diseases such as cancer, diabetes, and heart diseases are also studied. **Student's social security number is required to receive vocational funding for this class.**

Housing and Interiors**Prerequisite: None****1 semester, 1 credit**

This course will emphasize the application of art principles in planning and designing aesthetically pleasing living environments for individuals and families. Students will learn to identify architecture styles, decorating periods, and color schemes. Other topics that may be addressed are the elements and principles of design as they apply to interior decorating and furnishing an apartment. **Student's social security number is required to receive vocational funding for this class.**

Adult Roles and Responsibilities**Prerequisite: None****1 semester, 1 credit**

This course is to help students prepare for their adult lives and successful independent living. Students will gain clearer awareness of their personal principles, standards, needs, and goals. They will learn to use skills in critical and creative thinking, communication, and leadership. Students will gain confidence in considering career options as well as handling their current and future jobs and careers. Topics include dating, family living, stress management, money management, housing, and consumer choices. **Student's social security number is required to receive vocational funding for this class.**

Child Development and Parenting**Prerequisite: None****1 semester, 1 credit**

This course will help the student understand the challenges and responsibilities of guiding the physical, social, emotional, and intellectual development of children. Prenatal development and care as well as the development and care of infants and toddlers will be emphasized. We will discuss nutrition, health, safety, discipline, and guidance needed for the child at each developmental stage. Information concerning children with special needs, childcare services, child protection laws and careers in childcare are also included. **Student's social security number is required to receive vocational funding for this class.**

Interpersonal Relationships**Prerequisite: None****1 semester, 1 credit**

Students will explore the basic concepts of self-understanding and responsibility for behavior with the focus on the importance of a positive self-image in developing and maintaining relationships. Students will also study the importance of setting goals, working within value systems, achieving and changing personal needs, and communication skills that assist all to achieve mature interpersonal relations. **Student's social security number is required to receive vocational funding for this class.**

MATHEMATICS

Algebra I

Prerequisite: None

2 semesters, 2 credits

This class is the foundation course for the development of algebraic skills and concepts necessary to succeed in advanced courses. This course covers computing with real numbers, solving first and second degree equations, factoring, graphing, and solving systems of equations. This course provides for the use of algebraic skills in a wide range of problem solving situations.

Algebra Lab

Prerequisite: Selection Process

2 semesters, 2 credits

Algebra Lab is a supplemental course that is designed to accompany Algebra I. The students in this course are selected based upon several criteria (for example: middle school math teacher recommendation and ISTEP scores). The course will give students a second day of Algebra to further their understanding of Algebra concepts. Teachers will utilize various instructional methods to reinforce these basic Algebra skills. Algebra Lab is an elective credit and not a math credit.

Geometry

Prerequisite: Algebra I

2 semesters, 2 credits

Geometry should provide students with experiences that help them understand geometric shapes and their properties. Deductive and inductive reasoning, investigative strategies in drawing conclusions, and an understanding of proof and logic will be used. Properties and relationships of lines, angles, planes, congruent and similar triangles, trigonometric ratios, polygons, and circles will be explored.

Geometry Lab

Prerequisite: Selection Process

1 semester, 1 credit

Geometry Lab is a supplemental course that is designed to accompany Geometry. The students in this course are selected based upon several criteria. This course will give students a second day of Geometry to further their understanding of first semester Geometry. Geometry Lab is an elective credit and not a math credit.

Geometry Honors

Prerequisite: Grade of A or B in Algebra I

2 semesters, 2 credits

Geometry Honors should provide students with experiences that deepen the understanding of geometric shapes and their properties. Deductive and inductive reasoning as well as investigative strategies in drawing conclusions will be stressed. Properties and relationships of lines, angles, planes, congruent and similar triangles, trigonometric ratios, polygons, and circles will be explored. An in-depth understanding of proof and logic will be developed.

Algebra II

Prerequisite: Geometry and Algebra I

2 semesters, 2 credits

This course includes a review of Algebra I and an expansion of the topics covered in Algebra I. This course covers relations, functions, polynomials, algebraic fractions, logarithmic and exponential functions, sequences and series, counting principles and probability. Solving higher degree equations and inequalities, and applications of math to science will also be included.

Algebra II Honors

Prerequisite: Geometry Honors or Geometry with teacher recommendation

2 semesters, 2 credits

This course is for college-bound students who can learn at a faster pace. The course accomplishes the objectives of Algebra II and also includes the study of parabolas, greatest integer functions, absolute value functions, and polynomial functions. An introduction to determinants, logarithms and exponential functions, probability, permutations, combinations, and series and sequences is included. In certain situations, this course may be taken concurrently with Geometry Honors. Classroom TI83 graphing calculators are used.

Pre-Calculus

(Dual Credit*)

Prerequisite: Algebra II

2 semesters, 2 credits

This course is designed to further teach certain topics taught in Algebra II Honors but not taught in Algebra II. A review of Algebra II topics is followed by an extensive study of polynomial functions, logarithms and exponential functions. An extensive look at trigonometry is included. This study would include trigonometric functions, graphing trig functions, right triangular functions, circular functions, trig identities, inverse trig functions, and solving trig equations. An emphasis of conic sections includes circles, parabolas, ellipses, and hyperbolas. A TI83 or higher graphing calculator is used. **Juniors and seniors may be eligible to earn three college credits by taking this course.**

Pre-Calculus Honors**Prerequisite: Algebra II Honors****2 semesters, 2 credits**

This course is designed for college-bound students who can learn at a faster pace. A review of Algebra II Honors topics is followed by a study of polynomial functions. An extensive look at trigonometry is included. This study includes a rigorous look at the trigonometry topics listed above. A study of the conic sections listed above is also included. A study of matrices and determinants, sequences and series, and permutations and combinations is also included. A TI83 or higher graphing calculator is used.

Discrete Math (Finite Math)**Prerequisite: Algebra II****(Dual Credit*)****2 semesters, 2 credits**

This course is intended for students who will take a higher math course (other than engineering-oriented Calculus) in college. It is a precursor to many college math courses in business, finance, and technical science. Topics include probability counting techniques, financial planning, matrices, determinants, set theory, recursion, graph theory, social choice, linear programming, and game theory. Algebraic systems are solved by diverse methods. This course may be taken concurrently with Statistics, Pre-Calculus, or Calculus. **Juniors and seniors may be eligible to earn three college credits by taking this course.**

Statistics**Prerequisite: Algebra II****1 semester, 1 credit**

This course is intended for students who desire a mathematics course which applies statistical techniques and probability in decision-making process. Topics include methods of data collection, organization of data, presentation and graphing of data, hypothesis testing, making inferences from experimental data, descriptive analysis, probability, and probability distributions. Practical examples based on real experimental data, experiments, surveys, and the analysis of the resulting data are stressed. The course may be taken concurrently with Discrete Math, Pre-Calculus, or Calculus.

Trigonometry**Prerequisite: Algebra II****1 semester, 1 credit**

Trigonometry provides students with the skills and understandings that are necessary for advanced manipulation of angles and measurement. Trigonometry provides the foundation for common *periodic* functions that are encountered many disciplines, including music, engineering, medicine, and finance (and nearly all other STEM disciplines). Students will also advance their understanding of *imaginary* numbers through an investigation of complex numbers and polar coordinates. A strong understanding of complex and imaginary numbers is a necessity for fields such as engineering and computer programming.

AP Statistics**Prerequisite: Algebra II Honors****2 semesters, 2 credits**

This course is a more in-depth study of statistics to prepare the student to take the AP exam in May. The curriculum is aligned to the College Board guidelines. This includes four major themes, which are: exploratory analysis, planning and conducting a study, probability, and statistical inference. The use of computer software and graphing calculator technology will be an integral part of the course. Students taking this course will be required to have a TI-83, TI-83+ or TI-84 graphing calculator.

AP Calculus AB**Prerequisite: Pre-Calculus Honors****(Dual Credit)****2 semesters, 2 credits**

AP Calculus AB introduces the topics of differential and integral calculus of a single variable. This course is equivalent to 20 weeks of college calculus. Major topics to be covered: limits and continuity, derivative formulas, detailed graphing and analysis of functions, applications of calculus concepts to real-world story problems, integration formulas, area under a curve, volume of solids, and trigonometric, exponential, and logarithmic applications. Students taking this course will be required to have a graphing calculator (TI 84 preferred). The curriculum is aligned to the College Board guidelines, with actual AP questions used as a guide. This course prepares the student to take the AP Calculus AB exam in May. A student may be rewarded one semester of college credit based on their exam score. Credit is rewarded at the discretion of the college. **Juniors and seniors may be eligible to earn three college credits by taking this course.**

AP Calculus BC**(Dual Credit)****Prerequisite: Pre-Calculus Honors and teacher recommendation.****2 semesters, 2 credits**

AP Calculus BC is an extension of AP Calculus AB. This course is equivalent to 30 weeks of college calculus. It includes all the topics listed for AP Calculus AB plus advanced integration techniques, solving logistic differential equations, polynomial approximations and series, and parametric, polar and vector functions applications. Students taking this course will be required to have a graphing calculator (TI 84 preferred). The curriculum is aligned to the College Board guidelines, with actual AP questions used as a guide. This course prepares the student to take the AP Calculus BC exam in May. A score will be received for the AP Calculus BC exam as well as a score for the AP Calculus AB exam. A student may be rewarded one or two semesters of college credit based on their exam score. Credit is rewarded at the discretion of the college. **Juniors and seniors may be eligible to earn three college credits by taking this course.**

MUSIC DEPARTMENT (Fine Arts)**Junior Treble: Beginning Chorus****Prerequisite: None****2 semesters, 2 credits**

Girls entering choir for the first time will be placed in this choir. The main area of concentration will be learning to read music and learning to sing without hearing it first. The music will be easy to medium in difficulty. Students may graduate from this choir to the Senior Treble Choir, Varsity Choir, or Concert Choir in their sophomore or junior year.

Senior Treble: Advanced Chorus**Prerequisite: Selection by Director****2 semesters, 2 credits**

This choir will consist of sophomore, junior, and senior girls. The music will range from medium to advance in difficulty with continued work on sight singing technique. Students will remain in this choir or be chosen to sing in the Concert Choir.

Varsity Chorus: Intermediate Chorus**Prerequisite: None****2 semesters, 2 credits**

Boys entering choir for the first time will be placed in this class. This choir consists of boys and girls in grades 9-12. Main concentration will be singing technique and music reading along with learning all types of music written for choirs.

Concert Choir: Choral Chamber Ensemble**Prerequisite: Selection by Director****2 semesters, 2 credits**

This choir requires some out-of-school work and is the most advanced large choir. Advanced music in varying styles ranging from early to contemporary will be studied. Most of the voices will be juniors and seniors.

Hand Bells I: Instrumental Ensemble**Prerequisite: Some note reading ability****2 semesters, 2 credits**

This beginning to intermediate level choir consists of 15-30 players chosen by audition. Students will study music reading, bell literature, and techniques. Members must attend all choir concerts.

Hand Bells II: Instrumental Ensemble**Prerequisite: Selection by Director****2 semesters, 2 credits**

Intermediate skill level is required to participate in this class. Members must attend all concerts. Music reading is required.

Hand Bells III: Instrumental Ensemble**Prerequisite: Selection by Director****2 semesters, 2 credits**

This bell choir consists of 15-17 members and is a comprehensive study of the playing techniques and literature written for hand bells. Members are required to participate in all the scheduled choir concerts throughout the year as well as several extra performances from time to time throughout the year. This is a specially selected choir chosen by audition. Note reading ability required for membership.

Dance Performance: Color Guard**2 semesters, 2 credits****Prerequisite: Selection by the director based on audition.**

This course is co-curricular and involves participation during school, after school, on weekends, and limited time during the summer. All rehearsals and contests are required, as these activities support and extend learning in the classroom. Color Guard is a performance class that is a direct extension of the band program. Public performances may serve as a culmination of daily rehearsal, musical, equipment, and movement goals. Students taking this course will be provided with a sequential and systematic learning experience in the area of equipment work (flag, rifle, saber, etc.), Ballet, Modern, and Jazz Movement, as well as costuming, show design, listening, and analysis as it relates to the color guard and dance activity.

Students in this class participate in the Marching Band during first semester and in Winter Guard during second semester. Activities utilize a wide variety of materials and experiences and are designed to develop techniques appropriate within the color guard genre, including individual and group instruction in performance repertoire, skills, musical phrasing, rhythmic structure, meters, appropriate terminology, and dance patterns. Students will develop their ability to express their thoughts, perceptions, feelings, and images through movement. The Marching Band Color Guard and Winter Guard provide opportunities for students to experience degrees of physical prowess, overall health and well being, technique, flexibility, and the study of Color Guard performance as an artistic discipline and as a form of artistic communication. Evaluation of dance and color guard is included, as well as an understanding of how the study of movement can be integrated into other disciplines and subject areas outside of the arts. Students will become aware of the vocational opportunities in the areas of Color Guard and dance.

The Color Guard will combine with the Wind Ensemble, Concert Band, and Percussion Ensemble to form the Lake Central Marching Band.

Music Theory I

Prerequisite: None

1 semester, 1 credit

This semester class is open to any student in the high school wanting to expand their knowledge of music construction and composition. The materials covered will consist of: knowledge of the names of the notes, identification of notes to a piano keyboard, all major and minor key signatures and scales, time signatures, note values, intervals, and understanding of rhythmic figures, aural association to pitch, and the ability to identify the construction of music.

AP Music Theory

Prerequisite: Music Theory I

2 semesters, 2 credits

Advanced Placement Music Theory is a yearlong course intended to develop a student's ability to recognize, understand, and describe the materials and processes of music that is presented in a musical score, recording, or performance.

Students: (1) develop ear training and dictation skills, (2) will have an advanced understanding of harmonic and melodic analysis (3) will have an advanced understanding of four part composition, (5) understand modes and scales. At the end of the course, students will take the Advanced Placement test for possible college credit.

Music History/Appreciation

Prerequisite: None

1 semester, 1 credit

Students taking this course will receive instruction designed to explore music and major musical style periods through understanding music in relation to both Western and non-Western history and culture. Activities include, but are not limited to, 1) listening to, analyzing, and describing music, 2) evaluating music and music performances, and 3) understanding relationships between music and the other arts as well as disciplines outside of the arts.

Percussion Ensemble I/II: Instrumental Ensemble

Prerequisite: None

2 semesters, 2 credits

Class explores intermediate to advanced techniques of percussion instruments and a broad range of literature written specifically for percussion, as well as literature played by the Wind Ensemble, Concert Band, and Marching Band. Students are given the opportunity to perform in large and small ensembles and as soloists on a variety of instruments. Percussion Ensemble travels often throughout the school year to various performances and clinics, including concert, marching band, and indoor drum line. Enrollment for the first semester is open only to those participating in marching band. All rehearsals, contests, solo and ensemble and concerts are required.

Concert Band: Intermediate Concert Band

2 semesters, 2 credits

Prerequisites: Member of the marching band. Complete and pass formal instruction at the middle school level.

Special circumstances will be decided by the director.

This course is co-curricular and involves participation during school, after school, on weekends, and limited time during the summer. All rehearsals, performances, concerts, commencement, and contests are required, as these activities support and extend learning in the classroom. Public performances may serve as a culmination of daily rehearsal and musical goals. Students taking this course are provided with a balanced comprehensive study of music through the concert band, which develops skills in the psychomotor, cognitive, and affective domains. Ensemble and solo activities are designed to develop elements of musicianship including, but not limited to: 1) tone quality, 2) technical skills, 3) intonation, 4) music reading skills, 5) listening skills, 6) analyzing music, and 7) studying historically significant styles of literature.

In addition, students perform, with expression and technical accuracy, a large and varied repertoire of concert band literature that is developmentally appropriate. Evaluation of music and music performances is included, as well as an understanding of how music study can be integrated into other disciplines and subject areas outside of the arts.

The concert Band will combine with the Wind Ensemble, Percussion Ensemble, and Color Guard to form the Lake Central Marching Band.

Symphonic Band: Beginning Concert Band**2 semesters, 2 credits****Prerequisite: Complete and pass formal instruction at the middle school level. Special circumstances will be decided by the director.**

This course is co-curricular and involves participation during school, after school, and on weekends. All rehearsals, performances, concerts, and contests are required, as these activities support and extend learning in the classroom. Public performances may serve as a culmination of daily rehearsal and musical goals. Students taking this course are provided with a balanced comprehensive study of music through the concert band, which develops skills in the psychomotor, cognitive, and affective domains. Ensemble and solo activities are designed to develop elements of musicianship including, but not limited to: 1) tone quality, 2) technical skills, 3) intonation, 4) music reading skills, 5) listening skills, 6) analyzing music, and 7) studying historically significant styles of literature.

In addition, students perform, with expression and technical accuracy, a large and varied repertoire of concert band literature that is developmentally appropriate. Evaluation of music and music performances is included, as well as an understanding of how music study can be integrated into other disciplines and subject areas outside of the arts.

This band is not part of the Lake Central Marching Band.

Wind Ensemble: Advanced Concert Band**2 semesters, 2 credits****Prerequisites: Selection by the director based on audition. Member of the marching band. Special circumstances will be decided by the director.**

This course is co-curricular and involves participation during school, after school, on weekends, and limited time during the summer. All rehearsals, performances, concerts, commencement, and contests are required, as these activities support and extend learning in the classroom. Public performances may serve as a culmination of daily rehearsal and musical goals. Students taking this course are provided with a balanced comprehensive study of music through the concert band, which develops skills in the psychomotor, cognitive, and affective domains. Ensemble and solo activities are designed to refine advanced techniques of musicianship including, but not limited to: 1) tone quality, 2) technical skills, 3) intonation, 4) sight-reading skills, 5) critical listening skills, 6) analyzing music, 7) rhythm, 8) breathing, 9) balance and blend, and 10) studying historically significant styles of literature.

In addition, students perform, with expression and technical accuracy, a large and varied repertoire of concert band literature of the highest caliber. Mastery of advanced wind band technique must be evident. Evaluation of music and music performances is included, as well as an understanding of how music study can be integrated into other disciplines and subject areas outside of the arts.

The Wind Ensemble will combine with the Concert Band, Percussion Ensemble, and Color Guard to form the Lake Central Marching Band.

Jazz Ensemble I**Prerequisite: Selection by the director based on audition****2 semesters, 2 credits**

This course is co-curricular and involves participation during school, after school, and on weekends. All rehearsals, performances, concerts, contests, and festivals are required, as these activities support and extend learning in the classroom. Public performances may serve as a culmination of daily rehearsal and musical goals. Students taking this course develop musicianship and specific performance skills through group and individual settings for the study and performance of the varied styles of instrumental jazz.

This instruction includes the study of the history, formative, and stylistic elements of jazz. Students will develop their creative skills through: 1) improvisation, 2) performance, 3) listening, 4) analyzing, 5) arranging, and 6) composition. Evaluation of music and music performance is included, as well as an understanding of how music study can be integrated into other disciplines and subject areas outside of the arts.

Jazz Ensemble II**Prerequisite: Selection by the director based on audition****2 semesters, 2 credits**

This course is co-curricular and involves participation during school, after school, and on weekends. All rehearsals, performances, concerts, contests, and festivals are required, as these activities support and extend learning in the classroom. Public performances may serve as a culmination of daily rehearsal and musical goals. Students taking this course develop musicianship and specific performance skills through group and individual settings for the study and performance of the varied styles of instrumental jazz.

Electronic Music/Music Production**Prerequisite: None****1 semester, 1 credit**

Students taking this course are provided with a wide variety of activities and experiences to develop skills in the use of electronic media and to incorporate current technology. Instruction is designed so that students are enabled to connect, examine, imagine, define, try, extend, refine, and integrate music study into other subject areas. Students will play music on a Synthesizer/Instrument (Guitar or Bass) and it is automatically entered into the computer where students can manipulate sound and/or create their own pieces. Students will learn how to record live sound including, but not limited to: school corporation concerts, musicals, speeches, and discussions. Students will learn to mix live sound recordings and prepare them for reproduction.

PHYSICAL EDUCATION**Secondary Physical Education I/II (pool/gym)****Prerequisite: None****2 semesters, 2 credits**

Emphasis is on health-related fitness and on developing the skills and habits necessary for a lifetime of activity. This program includes skill development and the application of rules and strategies of complex difficulty in at least three of the following different movement forms: health-related fitness activities (cardio respiratory endurance, muscular strength and endurance, flexibility, and body composition), aerobic exercise, team sports, individual and dual sports, gymnastics, outdoor pursuits, self-defense, aquatics, dance, and recreational games. Ongoing assessment includes both written and performance-based skill evaluations.

Modified Physical Education**Prerequisite: None****2 semesters, 2 credits**

This class provides an alternative to regular physical education programming for students with temporary medical exceptions such as sprained ankles, broken bones, recuperation from minor surgery, or extended illness. Goals and objectives for the regular physical education program may be slightly modified to address the temporary condition of the student. **Maximum assignment is for six (6) weeks.**

Fitness Training for Life**1 semester, 1 credit****Prerequisites: Secondary Physical Education I/II**

This course will incorporate individual training programs for Lake Central students. The instructors will work closely with the students allowing each the opportunity to reach their full potential in the class and with their personal fitness goals. Students may take this course three times for credit.

Sports Conditioning**1 semester, 1 credit****Prerequisites: Secondary Physical Education I/II and coach's recommendation**

This course will incorporate individual training programs for Lake Central student athletes. The instructors will work closely with the coaching staff and the strength and conditioning coach allowing our student athletes to reach their full potential in the class and in their sport. Athletes may take this course up to **six** semesters. Students must be in a Lake Central sport to take this class.

Life Saving and Water Safety**1 semester, 1 credit**

Prerequisite: Minimum 15 years of age and able to swim 300 yards: 100 yards each of freestyle, elementary backstroke, and breaststroke. If student completed freshman swimming during the school year at Lake Central, the prerequisite for this class has been completed.

This course is designed to provide certification in American Red Cross lifeguarding as well as certification in CPR, AED, and First Aid. This course will help improve swimming skills and train students for jobs at local beaches, pools, and camps.

Leisure Time Sports**Prerequisite: Secondary Physical Education I/II****1 semester, 1 credit**

This class will incorporate a variety of activities such as: ultimate Frisbee, ping pong, yoga, snorkeling, and more. Skills, rules, and etiquette of the sport are included. Students may take only one semester of this class.

Health Education**Prerequisite: None****1 semester, 1 credit**

This course provides the basis for continued methods of developing knowledge, concepts, skills, behavior, and attitudes related to student health and well-being. The class includes units in: growth and development, mental and emotional health, community and environmental health, nutrition, family life education, consumer health, personal health, alcohol, tobacco, and other drug education, intentional and unintentional injury and health promotion and disease prevention

Lifeguarding**1 semester, 1 credit****Prerequisite: Life Saving and Water Safety, Teacher approval required.**

Students will serve as a lifeguard and assist in instruction of the PE classes. Teacher approval is required for admission into this course.

Advanced Life Saving**1 semester, 1 credit****Prerequisite: Life Saving and Water Safety, certification in all four Red Cross sections**

This class will incorporate skills towards certification in Water Park and Water Front Lifeguarding. Additional skills in First Aid, snorkeling, underwater rescue, as well as a review of all basic skills will be covered.

SCIENCE**Biology I****Prerequisites: None****2 semesters, 2 credits**

Biology I is a required Core 40 science course for all Indiana students. The course will explore topics in biochemistry (elements and compounds as they relate to living organisms), cell structure, developmental biology, organism structure and system regulation, genetics, ecology and evolution. Course activities include lecture, lab activities, video presentations, demonstrations and student projects. Students will be required to complete the Core 40 test as prescribed by the state of Indiana as part of the assessment activities.

Biology I Honors**Prerequisite: Grade of A or B in Advanced Science 8****2 semesters, 2 credits**

Biology I is a required Core 40 science course for all Indiana students. The course will explore topics in biochemistry (elements and compounds as they relate to living organisms), cell structure, developmental biology, organism structure and system regulation, genetics, ecology and evolution. In addition, there is an in-depth study of selected biological topics, with an emphasis on the molecular aspects of biology throughout the course. Course activities include lecture, lab activities, video presentations, demonstrations and student projects. Students will be required to complete the Core 40 test as prescribed by the state of Indiana as part of the assessment activities.

AP Biology**(Dual Credit*)****Prerequisites: Biology I Honors and Chemistry I with grades of B or better****2 semesters, 2 credits****Concurrent enrollment: Algebra II or higher math course**

Advanced Placement Biology is a rigorous, lab-intensive course equivalent to first-year college biology. College credit may be earned by passing the AP Biology exam with a score of 4 or 5. The course builds on topics covered in Biology and adds more in-depth study of the biochemical aspects of biology, as well as topics in population biology and ecology. AP Biology is conducted at an elevated pace requiring additional classroom time. Students are expected to have strong mathematical skills and work ethic. This course is intended for the college bound student who plans to major in the sciences and needs a strong background in biology. Such students are typically considering exploring a career that requires acceptance into a graduate level professional college, such as medical, veterinary or dental school. Students will complete a test in May that may be used by colleges to award credit in college level chemistry. The exam is paid for by the state of Indiana. **Juniors and seniors may be eligible to earn three college credits by taking this course.**

Anatomy & Physiology Honors: Advanced Science, Special Topics**(Dual Credit*)****2 semesters, 2 credits****Prerequisites: ICP, Biology, and Chemistry (grades of B or better recommended for all classes)**

This course is an in-depth study of the human body in anatomy (structure) and physiology (function). All of the major body systems will be covered, as well as pathological conditions that can affect them. Classroom work is supplemented with laboratory exercises encompassing both analysis and dissections, including dissections of rats, fetal pigs, and various body organs; computer integration, and research projects. The course culminates in a field trip to a medical school cadaver lab. The course will be beneficial to those students who will need to take anatomy as a prerequisite for acceptance into a graduate level program such as premed, or as a requirement for a degree in a healthcare or medical field such as nursing or allied health. **Juniors and seniors may be eligible to earn three college credits by taking this course.**

Chemistry I**2 semesters, 2 credits****Prerequisites:** Integrated Chemistry/Physics, Biology I and Algebra I**Concurrent enrollment:** Geometry or Algebra II

Chemistry I is a Core 40 class and deals with topics such as matter, atomic structure, chemical bonding, radioactivity, chemical composition, reactions, behavior of gases and acids/bases. Laboratory experiments reinforce concepts and principles discussed in the classroom. Mathematical principles and problem solving skills are applied to many concepts. This course will provide the student with an adequate background for enrollment in college level chemistry, should the student need that class at a later time.

Chemistry I Honors**2 semesters, 2 credits****Prerequisites:** Integrated Chemistry/Physics, Biology I, Algebra I, and Geometry with grades of B or better or teacher recommendation from Biology I**Concurrent enrollment:** Pre-calculus or Algebra II Honors

Chemistry I Honors is a Core 40 class and includes the topics covered in Chemistry I but to a greater depth. The course is conducted at an elevated pace, and students are expected to have a strong command of mathematical problem solving skills. This course is intended for the college bound student who plans to major in the sciences and needs a strong background in chemistry.

Chemistry Support**2 semesters, 2 credits****Prerequisites:** Integrated Chemistry/Physics, Biology I, and Algebra I with grades of C or better.**Concurrent enrollment:** Geometry

Applied Chemistry is a Core 40 course intended for the student planning to attend a technical school or a college with intent to major in a non-science area. This course will deal with general chemistry topics such as matter, atomic structure, chemical bonding, radioactivity, chemical composition and reactions and will further develop the study of the chemistry of living things as begun in Biology. Mathematical principles and problem solving skills are applied to many concepts covered in this class.

Chemistry ACP (Advanced Chemistry)**(Dual Credit)****Prerequisites:** Chemistry I Honors (B or better) Algebra II Honors**2 semesters, 2 credits****Concurrent Enrollment:** Pre-Calculus

ACP stands for Advanced College Project and is a program sponsored by Indiana University/Bloomington. This course can be taken for high school and/or dual college credit. This chemistry course is the equivalent of C105 (3 credits) and C125 (2 credits) offered on IU campuses as a freshmen level chemistry course for science majors. C105 is the lecture portion of the course and will cover the following topics: components of matter, calculations, chemical reactions, gases, thermo chemistry, atomic structure, electron configurations and periodicity, bonding and molecular geometry, and intermolecular forces. C125 is the lab component of the course. The second semester of the course will also include an introduction to organic chemistry (the study of carbon compounds). Topics will include the naming of organic compounds, analysis of their structures, and an introduction to the reactions which are basic to all organic compounds. Laboratory experiments will be used to a great extent in this course. Those students who wish to apply for dual credit must register with Indiana University through the high school guidance office prior to starting the course. A minimum grade of "C" in C105/C125 is usually required in order for the credit to be eligible to be transferred to other institutions. Students will be billed by IU at a reduced credit hour rate. **Juniors and seniors may be eligible to earn three college credits by taking this course.**

AP Chemistry**2 semesters, 2 credits****Prerequisites:** Chemistry I Honors with a grade of B or better or teacher recommendation from Chemistry I**Concurrent enrollment:** Pre-Calculus Honors or AP Calculus

Advanced Placement Chemistry is a rigorous, calculation-based, lab-intensive course equivalent to first-year college chemistry. College credit may be earned by passing the AP Chemistry exam with a score of 4 or 5. The course builds on topics covered in Chemistry and adds solutions, equilibrium, kinetics, thermodynamics, organic chemistry, and chemical reactivity. AP Chemistry is conducted at an elevated pace requiring additional classroom time. Students are expected to have strong mathematical skills and work ethic. This course is intended for the college bound student who plans to major in the sciences and needs a strong background in chemistry. Students will complete a test in May that may be used by colleges to award credit in college level chemistry. The exam is paid for by the state of Indiana.

Physics I**(Dual Credit-Pending)****Concurrent enrollment: Algebra I****2 semesters, 2 credits****Prerequisites: Integrated Chemistry/Physics, Biology I, Algebra I, and Geometry with grades of C or better.**

This course offers a conceptual approach to all aspects of physics, with less emphasis on the mathematical aspects. Problem solving skills will be utilized during the course. It includes the study of vectors, mechanics, heat, light, sound, electricity, and magnetism. This course is highly recommended for college bound students who plan to major in a science related area.

Physics I, Honors**2 semesters, 2 credits****Prerequisites: Integrated Chemistry/Physics, Biology I, Algebra I, Geometry, and Algebra II with grades of C or better.****Concurrent enrollment: Pre-Calculus**

This course emphasizes the theoretical and mathematical aspect of physics. Students will make extensive use of problem solving skills. It includes the study of vectors, mechanics, heat, light, sound, electricity, magnetism and nuclear energy. This course is highly recommended for college bound students who plan to major in a science/engineering area as part of a pre-professional program.

AP Physics B**2 semesters, 2 credits****Prerequisites: Integrated Chemistry/Physics, Biology I, Physics I Honors, and Algebra II with grades of B or better.****Concurrent enrollment: Pre-Calculus**

This course is a cooperative endeavor of the College Board. It is intended to provide college level credit for high school students. Students will make extensive use of advanced problem solving skills and will study vectors, mechanics, heat, light, sound, electricity, magnetism and nuclear energy. Students will take an examination in May to determine if they qualify for college credit. The exam is paid for by the state of Indiana.

Astronomy: Advanced Science**1 semester, 1 credit****Prerequisites: Integrated Chemistry/Physics, Geometry, and Algebra II**

This course will provide a study of the bodies of our solar system, their motions, and the forces governing their motion. Study is made of such space-related concepts as time, light and navigation. Consideration is also given to the study of the night sky, stars, constellations, galaxies, nebulae, and how these relate to the subject of space travel and the problems involved.

Environmental Science**1 semester, 1 credit****Prerequisites: Biology I and Algebra I**

This course is designed to give an overview of the basic principles of ecology and an insight into the relationship between humans and their environment. Students will be able to identify a variety of human influences on the environment and their potential consequences. Students will also examine possible solutions to detrimental human influences on ecosystems. Students will use field techniques to complete an experiment of their own design and will be assessed by writing a formal laboratory report. Students will conduct their experiments in the Lake Central High School Outdoor Classroom Wetland. Other laboratory activities will also be included within the course.

Kinesiology & Applications: Advanced Science**1 semester, 1 credit****Prerequisites: Integrated Chemistry/Physics, Biology I, Health, and Chemistry I recommended**

This course is directed at students who are interested in health care professions, particularly physical therapists and athletic trainers. Areas to be covered include: human anatomy, kinesiology, exercise physiology, injury prevention and recognition, rehabilitation of injuries, Red Cross CPR, AED & First Aid certification, and sports nutrition. **Due to recent changes, this course may not count as a science credit towards the Core 40 Diploma.**

Human Genetics: Advanced Science**1 semester, 1 credit****Prerequisites: Biology I and Algebra I**

This course deals with various topics in heredity, including human genetic disorders, population genetics, genetic engineering, and issues related to bioethics.

Botany: Advanced Science, Special Topics**1 semester, 1 credit****Prerequisites: Integrated Chemistry/Physics and Biology I**

This inquiry based course will focus on an in-depth study of factors affecting plant germination, growth and growth variations, plant reproduction, plant development and seed dispersal mechanisms, as well as plant responses to gravity and light variances. Students will also investigate growth mediums such as organic soils, fertilized soils and hydroponics during the course of study, and explore connections to topics in agriculture such as crop rotation and soil enhancement (global ecology).

Zoology: Advanced Science, Special Topics**1 semester, 1 credit****Prerequisites: Integrated Chemistry/Physics and Biology I with grades of B or better. Recommendation of Biology I teacher required.**

This course will include an overview of the various groups of organisms within the animal kingdom and will take a comparative anatomy approach to illustrate the differences between major groups within the kingdom. Students will learn lab skills by dissecting representative organisms throughout the course and will complete a research project regarding an endangered species or a specific animal. Due to the extensive amount of time spent in lab activities, students will need to have demonstrated the ability to work on their own in a responsible manner in a lab setting during prior Science Dept. courses.

Biotechnology Honors: Advanced Science, Special Topics**1 semester, 1 credit****Prerequisites: Integrated Chemistry/Physics, Biology I, Human Genetics, Algebra I and Geometry with grades of B or better**

This course will introduce students to the history and procedures for modifying biological organisms according to the needs of humanity. Students will study topics such as cloning, bioethics, genetically modified organisms, the human genome project, cancer, bioinformatics, genetic engineering and immunology. Extensive lab activities will reinforce course topics and will expose students to common technologies in use today. Topics in this course will serve as an introduction to college courses that would be needed by students who wish to pursue careers in biology, medicine, pharmaceutical research, cosmetics, forensics, and agriculture. **Due to recent changes, this course may not count as a science credit towards the Core 40 Diploma.**

Forensic Science: Advanced Science, Special Topics**1 semester, 1 credit****Prerequisites: Integrated Chemistry/Physics, Biology I, Chemistry I, Algebra I and Geometry with grades of C or better**

This course will serve as an introduction to forensics and will bring together all of the above sciences and math course topics by giving students the opportunity to apply their knowledge base to real world situations. Students will use case studies to investigate physical evidence from a crime scene, properties of matter, drug identification, DNA as a forensic tool, trace evidence, fire investigation, fingerprints, document analysis, and computer forensic techniques. Guest speakers in this field will give students a feel for the career opportunities that this area of study provides. Field trips to the Indiana State Crime Lab may be possible.

Marine Biology I: Advanced Science, Special Topics (Summer Only)**Prerequisite: Biology I****Grades: incoming 11th & 12****1 semester, 1 credit**

Approximately 18+ hours of classroom instruction will take place two weeks before the trip to Marine Lab. Approximately 70+ hours will be spent in laboratory and other learning situations during the six-day trip to Marine Lab in Florida. Students must fill out an application form in order to be considered for this course.

Marine Biology II: Advanced Science, Special Topics (Summer Only)**1 semester, 1 credit****Prerequisites: Biology I or Biology I Honors with a grade of C or better and Marine Biology I with a grade of B or better.**

This course will serve as a continuation of Marine Biology I. Students will focus on marine ecology research methods by conducting several survey dives. Data obtained will be shared with the Florida Keys National Marine Sanctuary and The Nature Conservancy Reef research program. As part of the dives, students will gain an understanding of underwater communications and tethered diving techniques. Course size must be limited to 11 students due to dive boat restrictions. Students will spend approximately 90 class hours at the Marine Lab and will also need approximately 16 hours of practice skill diving as part of the course.

SOCIAL STUDIES**Geography and History of the World****Prerequisite: None****2 semesters, 2 credits**

Geography and History of the World is designed to enable students to use the geographical view of looking at the world to deepen their understanding of major global themes that have manifested themselves over time. In this class, specific geographic and historical skills and concepts of historical geography are used to explore global themes primarily, but not exclusively, in the time period beginning in 1000 CE. Geography and History of the World is designed to nurture perceptive, responsible citizenship, to encourage and support the development of critical thinking skills and lifelong lessons, and to help prepare Indiana students for employment in the 21st Century.

AP Human Geography**Prerequisite: None****2 semesters, 2 credits****Recommended: B in English**

Advanced Placement Human Geography focuses on the distribution, processes and effects of human populations on the planet. Students are expected to engage with this content through the broad themes of population, migration, culture, language, religion, ethnicity, political geography, economic development, industry, agriculture, and urban geography. The course is designed to prepare students for the AP exam and thus focuses on developing their reading, writing, and critical thinking abilities at a college level. Students will interpret and analyze primary, and secondary sources, including texts, geographic models, maps, statistics, and visuals. Finally, in the course of the school year students will prepare and eventually write full essays for document based questions and free response questions.

World History**Prerequisite: None****2 semesters, 2 credits**

While historical events are unique, they often are driven by similar, repeated forces. In learning the history of our world, this class will focus on eight themes: power and authority, religious and ethical systems, revolution, interactions with environment, economics, cultural interaction, empire building, and science and technology. This course is a prerequisite for AP U.S. History. Students will be asked to analyze primary sources and to write essays displaying their knowledge and comprehension of the materials discussed.

Contemporary World Affairs**Prerequisite: None****1 semester, 1 credit**

This course is the study of current events. Class work is approached from a global perspective and encompasses a number of cultures and ideologies. In addition, students will analyze issues related to the deployment of technology, trade, population, armaments, and human rights.

AP European History**Prerequisite: None****2 semesters, 2 credits****Recommended: AP Human Geography and/or World History**

Advanced Placement European History focuses on the basic chronology and major events in European History from 1450 to 2001. Students are expected to engage with this content through the broad themes of social, political/diplomatic, religious, intellectual/cultural, technological, and economic history. The course is designed to prepare students for the AP exam and thus focuses on developing their reading, writing, and critical thinking abilities at a college level. Students will interpret and analyze primary and secondary sources, including texts, maps, statistics, and visuals. Finally, in the course of the school year students will prepare and eventually write full essays for document based questions and free response questions.

U.S. History**Prerequisite: None****(Dual Credit*)****2 semesters, 2 credits**

U.S. History is the study of the United States from the 1850s to today. Emphasis is given to twentieth century events and policies as well as their consequences. This class is required for graduation and must be taken during the junior year. **Juniors and seniors may be eligible to earn three college credits by taking this course.**

U.S. History Honors**Prerequisite: None****2 semesters, 2 credits**

U.S. History Honors is a more advanced look at the history of the United States from the 1850s to today. In addition to the requirements of U.S. History, students in this course will complete book reviews and do extensive analysis of events in American history.

AP U.S. History**Prerequisite: None****2 semesters, 2 credits****Recommended: AP Human Geography and/or World History with a B in English**

AP U.S. History is a survey course that rigorously explores the major themes in American history from the colonial era to the present. DBQ (document-based question) tests are given to prepare students for the College Board AP exam in May. This course challenges and develops a student's research, discussion, analytical, and self-directed learning skills. AP U.S. History meets corporation and state standards, as well as following the expectations of the College Board Advanced Placement program.

Contemporary U.S. History (1960-2008)**Prerequisite: U.S. History****1 semester, 1 credit**

Contemporary U.S. History is an examination of the political, social, cultural, and intellectual events that shaped America during the last 50 years. The instructor will combine audio, video, lecture, group discussion, and interviews to examine the great watersheds of the last 50 years. The course will begin with the later years of the Eisenhower Administration and progress through the 1970s, 1980s, and the present.

Psychology**Prerequisite: None****1 semester, 1 credit**

Psychology is the study of human behavior. Students who take this class will gain a better understanding of their own behavior and develop insight into the behavior of others. This course is an introduction to psychology and will provide background that will be useful in college-level courses.

AP Psychology**Prerequisite: None****2 semesters, 2 credits**

Advanced Placement Psychology is the most advanced study of psychology offered at Lake Central High School. The course is designed for students who want to prepare for the AP Psychology exam. Students will learn many psychological facts, principles, and phenomena associated with each of the major subfields within the study of psychology through research, group discussions, projects, and critical-thinking exercises. Students are to expect a heavy load of reading and writing. This course will meet the state and corporation requirements and follow the expectations of the College Board and Advanced Placement programs.

Sociology**Prerequisite: None****(Dual Credit)****1 semester, 1 credit**

Sociology is the study of human groups. Emphasis is placed on basic concepts used in sociological study as well as the nature of society, culture, social problems, and various social institutions. This course is an introduction to sociology and will provide background that will be useful in college-level courses. **Juniors and seniors can earn three college credits by taking this course.**

Economics**Prerequisite: U.S. History****1 semester, 1 credit**

Economics is the study of the allocation of limited resources among unlimited needs. In this class, students will study different economic ideologies and their goals, prices, taxes, international trade, and the basics of investing. This course is required for graduation and must be taken during the senior year.

Economics Honors**Prerequisite: U.S. History****1 semester, 1 credit**

Economics Honors is a more advanced look at the topics covered in Economics. In addition to the requirements of Economics, students in this course will complete book reviews and do extensive analysis of economic events.

AP Microeconomics**Recommended: U.S. History****1 semester, 1 credit**

Students will study microeconomic concepts and principles throughout the semester in preparation for the College Board's Advanced Placement Examination. This course covers many concepts that apply to individual consumers and firms. The primary emphasis of study will focus on the product market (supply and demand) and the factors market. The government's role in promoting competition and fairness in the market will also be examined. Economic graphs will be constantly examined and applied to concepts explained in this course.

AP Macroeconomics**Recommended: U.S. History****1 semester, 1 credit**

Students will study macroeconomic concepts and principles throughout the semester in preparation for the College Board's Advanced Placement Examination. This course covers economic concepts that apply to the economic system as a whole. Students will learn how a nation's economic performance is measured and evaluated. Primary emphasis will be in the areas of national performance indicators, such as inflation, employment, GDP and the Fed. Issues of international trade and comparative economic systems will also be examined.

U.S. Government**Prerequisite: U.S. History****(Dual Credit)****1 semester, 1 credit**

U.S. Government is the study of the American governmental system. Students who take this class will gain a better understanding of the constitution, the three branches of the U.S government, and the election process at the state and federal levels. Emphasis is placed on the federal government and current national events. This class is required for graduation. **Seniors may be eligible to earn three college credits by taking this course.**

U.S. Government Honors**Prerequisite: U.S. History****(Dual Credit)****1 semester, 1 credit**

U.S. Government Honors is the more advanced study of the American governmental system. In addition to the requirements of U.S. Government, students in this course will complete book reviews and do extensive analysis of federal policies. **Seniors may be eligible to earn three college credits by taking this course.**

AP American Government and Politics**Recommended: U.S. History****1 semester, 1 credit**

This course is the most advanced study of the American governmental system offered at Lake Central. Students will participate in an in-depth analysis of the integral parts of the American form of democracy through research, group discussions, projects, and critical-thinking exercises. Outside reading assignments will supplement the textbook and exams will be modeled after the AP American Government and Politics Examination. This class satisfies the state and school corporation requirements for U.S. Government.

TECHNOLOGY EDUCATION**Design Process (Drafting I)****Prerequisite: None****2 semesters, 2 credits**

Design Process will present an overview of technical drawing. Drawing time will be split between traditional drawing and Computer Aided Drawing (CAD), with as much emphasis on CAD as time permits. Course content will include occupations, sketching, geometric construction, multiview drawings, pictorials, dimensioning, and architectural design. The areas presented will assist students in other industrial technology courses, post-secondary education, and many occupations in our highly technical society.

Engineering Technology (Drafting II)**Prerequisite: Design Process****2 semesters, 2 credits**

Each student will draw and present two major design projects. They will draw a set of floor plans for a two-story colonial house and then transfer that plan to AUTOCAD Architectural Desktop. They will spend nine weeks using AUTOCAD Inventor to produce mechanical drawings.

Computers in Design & Production Systems (Drafting III)**Prerequisite: Engineering Technology****(Dual Credit)*****2 semesters, 2 credits**

Students are given the opportunity to help set up their own course of study. They can focus on engineering drawings, architectural drawings, or split time between both. Each project will be developed and presented to the instructor for approval. Group activities are encouraged. Other requirements are a short presentation (five to ten minutes), CAD, and to interview a professional within a drafting related field. **Juniors and seniors may be eligible to earn three college credits by taking this course.**

VOCATIONAL EDUCATION**Vocational Graphics I****Prerequisite: None****2 semesters, 2 credits**

This course trains qualified students for careers in the printing industry. Emphasis is placed on giving the students a thorough working knowledge and skills in many aspects of the printing industry rather than concentrating on one special area. Areas covered include: history, layout, composition, photograph stripping, plate making, presswork, and bindery. All major processes will be studied with emphasis on offset lithography. Additional topics studied include estimation, paper, links, line-staff relationships, costing, and half-tone photography.

Vocational Graphics II**Prerequisites: Vocational Graphics I and Teacher Recommendation****2 semesters, 8 credits**

Students concentrate on one of the following: offset presswork, composition, layout/design and keyline art (imposition), stripping, plate making, photography, or bindery. Potential job opportunities for students completing this course are: newspapers, advertising agencies, quick-print shops, specialty houses, offset printing firms, layout artists, photographer, press operator, bindery worker, graphic arts educator, estimator, proofreader, typesetter, and computer graphics. **Student's social security number is required to receive vocational funding for this class.**

Vocational Graphics III**Prerequisite: Graphics II****(Dual Credit)*****2 semesters, 8 credits**

Vocational Graphics III is the climax of the graphics course of study. It is a cooperative education program which exists between the high school graphics program and an industrial graphics education occupation. The students are also exposed to the many careers available to them in the various areas of employment. Seniors are placed by instructor only if jobs become available. **Student's social security number is required to receive vocational funding for this class. Juniors and seniors may be eligible to earn three college credits by taking this course.**

Vocational Machine I**Prerequisite: None****2 semesters, 2 credits**

Vocational Machine I is designed to give students a fundamental background of the different types of machines in the machine shop. This course provides the opportunity to learn the basic operations of the lathe as well as the milling machine, drill press, surface grinder, saws, and bench work. Emphasis is placed on precision measurement using micrometers, scales, and vernier calipers. Students will machine required projects on the lathes and milling machines for the first part of the year. They will then have the chance to machine projects of their own choice. The Vocational Machine I program will give each student basic machining and manufacturing knowledge, blueprint reading, and shop safety knowledge which they will be able to use after completing the first year.

Vocational Machine II**Prerequisites: Vocational Machine I and Teacher Recommendation****2 semesters, 8 credits**

Vocational Machine II and III meet three hours (2 periods) daily to prepare the students to enter the trade as a machinist apprentice. Students will work on all machines in the shop as well as learning basic welding and burning. Students will continue to improve on their lathe and milling machine skills with required projects as well as personal projects with the emphasis on machining precision sizes. Included in Vocational Machine II is the introduction to CNC (computer numerical control) and CAM (computer assisted machining). The students will learn how to write a CNC program using G and M codes as well as using Edge cam to write a program. They will then enter the program into the Haas CNC machining center and make the part. Geometry, trigonometry, blueprint reading, bench work, assembly, fabrication, and shop safety are also included in this course. **Student's social security number is required to receive vocational funding for this class.**

Vocational Machine III**Prerequisites: Vocational Machine II and Teacher Recommendation****(Dual Credit)*****2 semesters, 8 credits**

Vocational Machine III is a continuation of Vocational Machine II with the emphasis on preparing for a machinist apprenticeship. Students will also have the opportunity to job shadow, school to work, and internships. The students are also exposed to the many careers available to them in the various areas of employment. Seniors are placed by instructor in jobs for machining apprenticeships and in machine shops when they are available. **Student's social security number is required to receive vocational funding for this class. Juniors and seniors may be eligible to earn three college credits by taking this course.**

Vocational Automotive Technology I**Prerequisite: None****2 semesters, 2 credits**

Vocational Automotive Technology I is an introductory course for Automotive Technology. The student will cover each automotive system and the theory of each system. After the student understands how each system works, the student will perform different types of testing and repair work on the various automotive systems. The Vocational Automotive Technology I program will give each student basic auto skills which they will be able to use after completing the first year.

Vocational Automotive Technology II/III**Prerequisites: Vocational Automotive Technology I and Teacher Recommendation****(Dual Credit)*****2 semesters, 8 credits**

Vocational Automotive Technology II meets three hours (2 periods) daily and begins the National Institute for Automotive Service Excellence (also known as ASE) training. This training prepares the student for taking the certification tests for each Certified Technician area and for placement in the automotive career field as an entry-level technician. Students will be able to complete four of eight Certified Technician training areas during this class. During the third year of Vocational Automotive Technology, students will start the training program from the point he/she left off in Vocational Automotive Technology II. Students will cover remaining Certified Technician areas. Upon completion of this program, students will be

able to enter the automotive diagnostic and repair field as an entry-level technician. **Student's social security number is required to receive vocational funding for this class. Juniors and seniors may be eligible to earn three college credits by taking this course.**

Below is a list of Certified Technician areas covered in Vocational Automotive Technology II and III along with subject area for each. For a student to complete all eight areas, he/she will have to complete two years of Vocational Automotive Technology.

1. Engine Repair - Valve train, cylinder head, and block assemblies; lubricating, cooling, ignition, fuel and carburetion, exhaust, battery, and fuel systems.
2. Automatic Transmission/Transaxle - Controls and linkages, hydraulic and mechanical systems.
3. Manual Drive Train and Axles - Manual transmissions, clutches, front and rear drive systems.
4. Front End - Manual and power steering, suspension systems, alignment, and wheels and tires.
5. Brakes - Drum, disc, combination, and parking brake systems, power assist and hydraulic systems.
6. Electrical Systems - Batteries, starting, charging, lighting, and signaling systems, electrical instruments and accessories.
7. Heating and Air Conditioning - Refrigeration, heating and ventilating, A/C controls.
8. Engine Performance - Oscilloscopes and exhaust analyzers, emission control and charging systems, cooling, ignition, fuel, carburetion, exhaust, and battery and starting systems.

The Vocational Automotive Technology program is set up in such a way that students will be trained for job placement.

AREA CAREER CENTER VOCATIONAL EDUCATION PROGRAMS

Lake Central High School offers juniors and seniors an opportunity to attend the Hammond Area Career Center. Programs offered are taught three hours daily. Lake Central students attending the Career Center are required to ride the bus. Students attending career training programs at the Area Career Center will spend half of the school day at the Area Career Center and the other half at Lake Central High School. **In order for students to qualify to attend the Area Career Center, they must meet two of the following criteria:**

1. Must be classified as a junior or senior
2. Passed both parts of the ISTEP (Class of 2012 & beyond, must pass Algebra I ECA by December)
3. Passed all required classes at Lake Central

Auto Technology

2 semesters, 6 credits

Learn the technical and mechanical skills necessary to adjust, repair and overhaul automobiles and individual component systems, including theory, computerized diagnostics and high engine performance.

Collision & Refinishing Technology

2 semesters, 6 credits

Students will have the opportunity to develop entry-level skills in dent repair, welding, cutting, priming, paint mixing, paint application, frame straightening, estimating, and mechanical repairs, as well as fiberglass and plastics repair.

Computer Information Technology

2 semesters, 6 credits

First year allows students to install, configure, maintain and troubleshoot computer systems along with preparing for the vendor-neutral CompTIA A+ Certification. The second year students can pursue curriculums aligned with the CompTIA, Linux+, Server+, and Network + certifications.

Construction Technology

2 semesters, 6 credits

Students in this program learn basic construction concepts and fundamentals from building layout to finished carpentry.

Criminal Justice and Law

2 semesters, 6 credits

In this course you will discuss and be exposed to the process of crime scene investigation, evidence gathering, local and federal law enforcement, prosecution and defense strategies, suspect questioning, prison sentencing, and loss prevention in the corporate world. Students will explore a wide variety of professions within the criminal justice and public service fields. Students are required to participate in community service activities as a part of this course.

Culinary and Pastry Arts & Sciences

2 semesters, 6 credits

Our program includes available certifications in ServSafe and *ProStart*. Student training is split between classrooms and our full production kitchen and bakery. Culinary students wear full chef uniforms in class and learn basic and advanced fundamentals of cooking, baking, hospitality management, menu design, nutrition, sanitation, table service and more!

Dental Assisting**2 semesters, 6 credits**

This program is designed to teach technical skills in patient preparation, chair-side assisting, and dental materials. The student will be prepared to perform office tasks, lab duties, and assisting the dental hygienist or dentist.

Early Childhood Education**2 semesters, 6 credits**

This program is designed to help you prepare to work with children ages birth to 8. Students plan, write, and implement developmentally appropriate lesson plans when volunteering at area preschools, Head Start rooms, as well as elementary school classrooms.

Entrepreneurship Academy**2 semesters, 6 credits**

This course allows you the opportunity to obtain the skills that are needed to be a successful entrepreneur. The skills acquired will not only prepare you to run your own business, but also obtain a job in the following career areas: administrative assistant; secretary; office manager; receptionist; word processor; desktop publishing; legal secretary; general office work; and business management.

Digital Imaging & Design**2 semesters, 6 credits**

First year students are introduced to all the areas in the computer graphic design and printing industry. Second year students, depending upon their interests, may use Quark Express, Adobe Photoshop, Adobe Illustrator, Dreamweaver, and Flash along with learning sign and screen printing and offset and digital press operations

Health Careers**2 semesters, 6 credits**

This program will equip you with a working knowledge of different occupations within the medical field. You'll learn the skills necessary to function in such health agencies as hospitals, nursing homes or doctors' offices.

Multimedia Editing and Production**2 semesters, 6 credits**

Students will explore the editing and production skills necessary to produce and edit radio and television broadcast as well as Internet media. Interactive media will also be introduced as students prepare for careers in Web-casting, pod-casting and digitally designed productions. Students will learn the five components of television camera operations, audio, lighting, writing, and editing. They will explore television broadcasting and the skills of directing, producing, studio cameras, audio and studio lighting.

Welding/Cutting**2 semesters, 6 credits**

Students in this program spend the majority of time in the shop learning various welding skills. Blueprint reading and math are also included in the course.

MISCELLANEOUS**Learning Strategies****2 semesters, 2 credits**

Learning Strategies is a West Lake Cooperative class designed to assist students who have not passed their ISTEP+ test. Students will review and improve skills and strategies needed in passing the ISTEP+. Remediation is available for both juniors and seniors. A preparation class is also available for freshman students.

Peer Mentoring**1 semester, 1 credit**

Students serve as peer mentors by assisting in a special needs classroom during a class period. Students assist in instruction of students with various types of disabilities, explore various career options working with people with disabilities, and promote inclusion of individuals with disabilities in the school community. Interested students must fill out an application and go through an interview process.

Community Service**1 semester, 1 credit****Pre-Requisite: Must be able to provide own transportation**

Students wishing to earn academic credit for community service or volunteer service may take this course as an elective. It is the student's responsibility to find a place to serve their community service and must have a minimum of 40 hours of service by the end of the semester. Students would be released during 4th or 8th hour and need to fill out an application in order to be considered for this course. This course may be taken a maximum of **2** times.

Freshman Mentoring**1 semester, 1 credit**

Juniors and seniors can serve as peer mentors by assisting freshmen in various ninth grade level academic subject areas. Freshman mentoring is primarily scheduled during the SRT Period, but some mentors may also be needed during regular class periods. Interested students must have a minimum 3.0 grade point average. Students must complete an application and participate in an interview process.

Read 180 Program**2 semesters, 2 credits**

The Scholastic Read 180 program is a West Lake supplemental program targeted to provide assistance to students via a differentiated instructional program that utilizes multiple resources for assessing individual student needs and providing a tailored instructional program.

SAT Prep**Prerequisite: None****1 semester, 1 credit**

The SAT Prep course is designed to enhance and develop student skills specifically needed for the completion of the SAT. Students focus on skills related to critical reading, vocabulary, writing and revision, general mathematics, geometry, and advanced algebra. Along with exercises focusing on specific skills, students will explore techniques that improve test outcomes as well as complete two full SAT practice tests. This class is pass/fail.

Exploratory Teaching (afternoon only)**1 semester, 4 credits**

Students planning to pursue a career in education (who have at least a 2.75 grade point average) will be able to leave the high school and work with a teacher in a Lake Central elementary school in the afternoon. Students will observe, help with projects, and work with individual students in a teaching situation. Students will receive four credits per semester for this teaching experience. Application is required.

Attend classes at a local college campus (afternoon only)

Students will be able to attend college courses at a local college (Purdue University Calumet, Indiana University Northwest or Ivy Tech Community College) in the afternoon. Students must enroll in at least 2 classes each semester.

Professional Career Internship Program**1 semester, 2 credits**

Do you want to know if your desired career goal is a fit for you? Students will receive a placement in a local business and work alongside a professional in their desired career field. These interns will report to the training site in the afternoon. In addition to the work experience, students will have at least 15 hours of classroom instruction per semester. Students will receive two credits each semester for the internship program. Gaining work experience may open the door to new opportunities and help students network with professionals in their career interest. (This can be taken for one semester or all year)

LCHS Library Media Center

Welcome to Lake Central High School's Library Media Center. It is the purpose and the mission of the LCHS Library to empower students to become knowledgeable and critical consumers of information. The Library's collection includes a wide range of books, reference materials, magazines, newspapers, and other print resources as well as numerous online database subscriptions and eBooks. The Library is equipped with an online catalog and 60 computer workstations to facilitate student research.

Students are expected to be courteous and to show respect for their fellow students, the library staff, the library facility and its furnishings, as well as the library materials. All policies found in the student handbook will be enforced in the library. Students may lose library privileges if a discipline referral is issued. Water bottles are permitted in the library; other drinks and snacks are strictly prohibited.

Library Hours: 6:45 AM – 2:45 PM

Students may visit the library before and after school at their discretion. During the school day, students may visit the library with their classes or with a signed pass from their teacher. Students wishing to visit the library during lunch must obtain a signed pass from the librarian prior to their lunch time. Students are requested to sign in at the circulation desk upon arrival and sign out when leaving the library.

SPT

Students who wish to visit the library during SPT must obtain a signed pass from the librarian prior to the hour of their assigned SPT. There are a limited number of SPT passes available and students should plan ahead if their homework requires them to **use the library's collection** during their assigned SPT. Last minute pass requests will not be honored.

Printing and Copying

Networked printers are available for student use. The first **five** printed pages are free, each additional is \$.05 per page. A small desktop copier is also available for student use. Black and white copies are \$.15 per page and color copies are \$.25 per page.

Overdue Fines and Lost Book Fees

Most library materials have a two week loan period and may be renewed twice by students. The overdue fine on these items is \$.05 per day, accruing on school days only. Special reserve items and reference items circulate overnight only and the overdue fine on these items is \$.30 per day, accruing on school days only. Students with library books assumed lost will be charged the replacement cost for the item, plus any overdue fines.