



*Mike Skvarek*

# LAKE CENTRAL HIGH SCHOOL

9<sup>th</sup> Grade

## COURSE SELECTION GUIDE

2016-2017

## **GUIDANCE OFFICE**

**Hours: 6:50 a.m. – 2:50 p.m.**

**Phone: 219-365-8551**

### **GUIDANCE AND COUNSELING**

The Guidance Department's purpose is to assist all students to grow in self-understanding, self-direction and to aid student development, both socially and scholastically. Students are assigned a specific counselor for scheduling, programming, and organizational purposes.

School counselors assist students by:

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

### **COUNSELOR ASSIGNMENTS**

Beginning in the 2013-2014 school year, the counselors and assistant principals moved to an "Advisory Team" approach, where one assistant principal, 2 academic school counselors, and teachers of record were partnered together for a section of the 9 through 12 alphabet. This approach provides a student and family consistent contact, in-depth college/career-readiness and transition programming. The Advisory Teams become a school within a school component, enhancing the personal touch for families in providing a single point of contact with the school.

#### **GUIDANCE STAFF**

Mrs. McDermott, Registrar  
Mrs. Myers, Secretary

Ext. 2045  
Ext. 2005

Mrs. Musashe, Secretary  
Mrs. Bereda, Secretary

Ext. 2029  
Ext. 2067

#### **ADVISORY TEAM PRINCIPAL & COUNSELOR ASSIGNMENTS GRADES 9-12**

<b><u>Team</u></b>	<b><u>Assistant Principal</u></b>	<b><u>Dean</u></b>	<b><u>Alphabet Assignments</u></b>	<b><u>Counselors</u></b>	<b><u>Extension</u></b>
<b><u>Director of Guidance</u></b>				<b><u>Mrs. Rettig</u></b>	<b><u>2033</u></b>
<b><u>Team 1</u></b>	<b><u>Mr. Powers</u></b>	<b><u>Mrs. Novak</u></b> <b><u>Ext. 2837</u></b>	<b><u>A - Carli</u></b>	<b><u>Mrs. May</u></b>	<b><u>2068</u></b>
	<b><u>Ext. 2016</u></b>		<b><u>Carls-Ew</u></b>	<b><u>Mrs. Denton</u></b>	<b><u>2069</u></b>
<b><u>Team 2</u></b>	<b><u>Mr. Beck</u></b>		<b><u>Ext-Hen</u></b>	<b><u>Mrs. Bankroff</u></b>	<b><u>2031</u></b>
	<b><u>Ext. 2063</u></b>		<b><u>Her-Lach</u></b>	<b><u>Mrs. Bowman</u></b>	<b><u>2032</u></b>
<b><u>Team 3</u></b>	<b><u>Mr. Freeman</u></b>	<b><u>Mr. McCallister</u></b> <b><u>Ext. 2836</u></b>	<b><u>Lad-Morris</u></b>	<b><u>Ms. St. Clair</u></b>	<b><u>2034</u></b>
	<b><u>Ext. 2018</u></b>		<b><u>Mor-Rez</u></b>	<b><u>Miss Kline</u></b>	<b><u>2027</u></b>
<b><u>Team 4</u></b>	<b><u>Mr. Moore</u></b>		<b><u>Rh-Sul</u></b>	<b><u>Mrs. Rodgers</u></b>	<b><u>2030</u></b>
	<b><u>Ext. 2017</u></b>		<b><u>Sum-Z</u></b>	<b><u>Mrs. Churilla</u></b>	<b><u>2043</u></b>



## GRADUATION REQUIREMENTS

Every student must have at least 46 credits in order to receive a diploma from Lake Central High School. One credit is earned for each course passed each semester.

<span style="font-size: 2em; font-weight: bold; margin: 0 10px;">Lake Central High School</span>	
<b>CORE40</b> <span style="font-size: 0.8em; font-weight: normal;">(minimum 46 credits)</span>	<b>CORE40 with Academic Honors</b> <span style="font-size: 0.8em; font-weight: normal;">(minimum 47 credits)</span>
Course and Credit Requirements	
<b>English/ Language Arts</b>	<b>8 credits</b> Including a balance of literature, composition and speech.
<b>Mathematics</b>	<b>6 credits</b> 2 credits: Algebra I 2 credits: Geometry 2 credits: Algebra II <i>Students must take a math or quantitative reasoning course each year in high school</i>
<b>Science</b>	<b>6 credits</b> 2 credits: Biology I 2 credits: Chemistry I or Physics I or Integrated Chemistry-Physics 2 credits: any Core 40 science course
<b>Social Studies</b>	<b>6 credits</b> 2 credits: U.S. History 1 credit: U.S. Government 1 credit: Economics 2 credits: World History/Civilization or AP Human Geography/Geography/History of the World
<b>Directed Electives</b>	<b>5 credits</b> World Languages Fine Arts Career-Technical
<b>Physical Education</b>	<b>2 credits (1 Gym, 1 Pool)</b>
<b>Health and Wellness</b>	<b>1 credit</b>
<b>Personal Financial Responsibility</b>	<b>1 credit</b>
<b>Electives*</b>	<b>6 credits</b> *At least 6 credits should come from a College and Career Pathway.
<b>Lake Central High School - 46 Total Credits Required</b>	

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

- Complete all requirements for Core 40.
- Earn 2 additional Core 40 math credits.
- Earn 6-8 Core 40 world language credits (8 credits in one language or 4 credits each in two languages).
- Earn 2 Core 40 fine arts credits.
- Earn a grade of a "C" or better in courses that will count toward the diploma.
- Have a grade point average of a "B" or better.
- Complete one of the following:
  - Earn 4 credits in 2 or more AP courses and take corresponding AP exams
  - Earn 6 verifiable transcribed college credits in dual credit courses from the approved dual credit list.
  - Earn two of the following:
    - A minimum of 3 verifiable transcribed college credits from the approved dual credit list,
    - 2 credits in AP courses and corresponding AP exams,
  - Earn a combined score of 1750 or higher on the SAT critical reading, mathematics and writing sections and a minimum score of 530 on each
  - Earn an ACT composite score of 26 or higher and complete written section

<b>CORE40 with Technical Honors</b> <span style="font-size: 0.8em; font-weight: normal;">(minimum 47 credits)</span>
<ul style="list-style-type: none"> <li>Complete all requirements for Core 40.</li> <li>Earn 6 credits in the college and career preparation courses in a state-approved College &amp; Career Pathway and one of the following:                             <ol style="list-style-type: none"> <li>State approved, industry recognized certification or credential, or</li> <li>Pathway dual credits from the approved dual credit list resulting in 6 transcribed college credits</li> </ol> </li> <li>Earn a grade of "C" or better in courses that will count toward the diploma.</li> <li>Have a grade point average of a "B" or better.</li> <li>Complete one of the following,                             <ol style="list-style-type: none"> <li>Any one of the options (A - F) of the Core 40 with Academic Honors</li> <li>Earn the following scores or higher on WorkKeys; Reading for Information – Level 6, Applied Mathematics – Level 6, and Locating Information–Level 5.</li> <li>Earn the following minimum score(s) on Accuplacer: Writing 80, Reading 90, Math 75.</li> <li>Earn the following minimum score(s) on Compass; Algebra 86, Writing 70, Reading 80</li> </ol> </li> </ul>

### **Succeeding with the 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.*

The Core 40 diploma became Indiana's required high school curriculum with the class of 2010. Students entering high school after 2010 are expected to complete the requirements for a Core 40 diploma.

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. 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](http://www.learnmoreindiana.org).

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

### **END OF COURSE ASSESSMENTS (ECA's) and 10 ISTEP+**

Based on requirements from the Indiana Department of Education, students in the class of 2016, 2017, and 2018 are required to pass the ECA exam in Algebra I and English 10. Students in the class of 2019 and beyond are required to pass the 10 ISTEP+. An opportunity to appeal for a diploma will be made available to students who do not pass these requirements. (Appeals are not guaranteed. Students not passing either ECA or the 10 ISTEP+ and not receiving an appeal will not earn a diploma).

### **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 took effect with the graduating class of 2012. There will no longer be a class valedictorian and salutatorian.

### **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 at graduation:

<b>Distinction</b>	<b>Translation</b>	<b>Accoutrements for Ceremony</b>	<b>Required GPA</b>
SUMMA CUM LAUDE	"With highest honor"	Hood	4.5 or higher
MAGNA CUM LAUDE	"With great honor"	Stole	4.2500-4.4999
CUM LAUDE	"With honor"	Cords	4.000-4.2499

To qualify for any of these distinctions, individuals will need a **minimum of 47 credits** at the end of the 8<sup>th</sup> semester. (Note: Senior Honors Night takes place prior to the completion of the 8<sup>th</sup> semester. As a result, students that have qualified for one of the distinctions by the end of the 7<sup>th</sup> semester are recognized at this event. **Every effort** will be made to recognize students that reach one of the distinctions at the end of the 8<sup>th</sup> semester – graduation program, commencement seating, etc., but due to time constraints this cannot be guaranteed.)

### **EARLY GRADUATION**

Students who have completed all graduation requirements may graduate early. Students need to plan ahead carefully when considering this option. This decision should include a detailed plan of completing all required courses (may include summer courses) and students should work closely with their prospective college admissions offices. In order to ensure all graduation requirements are met and afford the appropriate planning time, students should contact their assigned counselor a year in advance. Those electing to graduate in January of their senior year should speak to their counselor the end of first semester – junior year. Students electing to graduate in three years should speak to their counselors no later than the end of second semester – sophomore year.

## **Bell Schedule**

Every class meets three days a week. Monday and Thursday are Blue Days. Tuesday and Friday are White Days. Blue and White days consist of four 90 minute blocks. All classes meet on Wednesday for 49 minutes. Students are able to take 7 courses in a semester plus a resource that meets twice weekly on White Days. During Resource for the 2016-17 school year, students (9-11) will earn credit for Preparing for College and Careers AND will have 60 minutes to reach out for academic assistance. Please note: *This bell schedule model continues to be reviewed and slight adjustments may be made to the length of class periods.*

### **DAILY BELL SCHEDULE**

Monday/Thursday (Blue Day)	Tuesday/Friday (White Day)	Wednesday (Traditional Day)	Monday/Thursday (Blue Day)	Tuesday/Friday (White Day)
1st Period 7:15 - 8:45 (90)	5th Period 7:15 - 8:45 (90)	1st Period 7:15 - 8:04 (49)	1st Period 7:15 - 8:45 (90)	5th Period 7:15 - 8:45 (90)
		2nd Period 8:10 - 8:59 (49)		
2nd Period 8:51 - 10:21 (90)	Resource 8:51 - 10:21 (90) 8:51 - 9:21 CTE 9:21 - 10:21 Academic Assistance	5th Period 9:05 - 9:54 (49)	2nd Period 8:51 - 10:21 (90)	Resource 8:51 - 10:21 (90) 8:51 - 9:21 CTE 9:21 - 10:21 Academic Assistance
3rd Period 10:21 - 12:27 (126) A Lunch = 10:21 - 10:51 B Lunch = 10:53 - 11:23 C Lunch = 11:25 - 11:55 D Lunch = 11:57 - 12:27	6th Period 10:21 - 12:27 (126) A Lunch = 10:21 - 10:51 B Lunch = 10:53 - 11:23 C Lunch = 11:25 - 11:55 D Lunch = 11:57 - 12:27	6th Period 10:00 - 10:49 (49) A Lunch = 10:00 - 10:30 A Class = 10:30 - 11:19 (49) B Class = 10:00 - 10:49 (49) B Lunch = 10:49 - 11:19	3rd Period 10:21 - 12:27 (126) A Lunch = 10:21 - 10:51 B Lunch = 10:53 - 11:23 C Lunch = 11:25 - 11:55 D Lunch = 11:57 - 12:27	6th Period 10:21 - 12:27 (126) A Lunch = 10:21 - 10:51 B Lunch = 10:53 - 11:23 C Lunch = 11:25 - 11:55 D Lunch = 11:57 - 12:27
4th Period 12:33 - 2:09 (96) Announcements	7th Period 12:33 - 2:09 (96) Announcements	4th Period 12:25 - 1:14 (49)	4th Period 12:33 - 2:09 (96) Announcements	7th Period 12:33 - 2:09 (96) Announcements
		7th Period 1:20 - 2:09 (49)		

## **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
F, W/F, W, N	=	Audit (no credit)

All accelerated classes are identified with Honors, Advanced, 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. Honor roll is based on a 3.0 GPA. The requirement for high honor roll is a 3.67 GPA.

### **REPORT CARDS**

Grade reports are finalized every 9-weeks. Students and parents can regularly check grades, receive e-mail alerts, and read class-related information through Skyward.

### **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. An audit grade appears on a transcript as an "N". All courses will remain on the transcript. Grades for the same course will not be replaced if a student repeats the course more than one time.

### **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.

### **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 child should contact their academic counselor for specific information.

### **DUAL CREDIT (on-campus)**

Certain classes at LCHS have been identified as dual credit. Dual credit courses are authorized through an agreement with many local colleges or universities. Please keep in mind that you will begin a college transcript of grades which will follow you to the college admission process. 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 or check the LCHS dual credit website. Keep in mind that some courses are designated for dual credit **only** for juniors and seniors. Some colleges require a minimum GPA in order to enroll for dual credit, and some courses may require a placement test to be taken. Please check these requirements before signing up for dual credit. Credits earned are often transferable to other schools; check with the individual schools regarding this.

### **OUTSIDE CREDIT**

Students may take courses by correspondence and/or adult education during any semester. Students must be enrolled in a minimum amount of pre-designated credit hours at Lake Central during a semester and receive the approval of their respective counselor and assistant principal. Pre-approval will ensure Lake Central High School will accept the grade and that the outside institution is accredited. If a student takes a course without pre-approval, they risk losing that credit.

### **CREDIT RECOVERY**

Lake Central's Credit Recovery Program is meant to allow eligible junior and/or senior students to recover credits in core subjects during the school year and afford them the opportunity to get back on track with their classmates. This program is a privilege that will allow eligible students to complete courses at their own pace and place special emphasis on the necessary areas of remediation. Students will receive a grade no higher than a "C" upon satisfactory completion of the pretest, learning modules for the unit, post-tests and end of semester tests. **Credit recovery courses do not meet NCAA standards.**

### **STUDENT RECORDS**

All student records and personal information are 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.

### **NAVIANCE**

Naviance assists students and families by connecting the classroom to their life goals, including finding colleges and careers based on their personal skills and areas of interests. Through self-discovery and collaboration, Naviance enables students to find the right college and career pathway. Students start by setting personalized goals, learning about their skills and interests, exploring career options based on interests, applying for scholarships, and tracking their admissions status.

### **SCHOLARSHIPS**

All information about scholarship opportunities is disseminated to students through numerous announcements, such as Twitter (@LCHS\_Guidance), Naviance, the LCHS Scholarship Blog [lguidance.blogspot.com](http://lguidance.blogspot.com), and through the Lake Central Guidance Website. File online for the **Free Application for Federal Student Aid (FAFSA) Form** via [www.fafsa.ed.gov](http://www.fafsa.ed.gov) beginning in October 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 accordance with the purpose and philosophy of Lake Central High School, programs and courses are offered which meet the needs and individual differences of the intrinsically motivated student through honors courses and accelerated programs.

Classroom teachers will recommend students for enrollment in Honors and Advanced Placement 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.

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 with recommendations to a student's Advisory Team. 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.

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

The following accelerated classes are identified with Honors, Advanced, 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 and will not count as a requirement fulfilled for the Core 40 with Academic Honors Diploma.

### **Advanced Placement Courses (AP)**

#### **English**

English 11 AP Language and Composition  
English 12 AP Literature and Composition

#### **Math**

AP Statistics  
AP Calculus AB  
AP Calculus BC

#### **Science**

AP Biology  
AP Chemistry  
AP Environmental Science  
AP Physics 1  
AP Physics 2  
AP Physics 1/2

#### **Social Studies**

AP American Government & Politics  
AP European History  
AP Human Geography  
AP Microeconomics  
AP Macroeconomics  
AP Psychology  
AP US History

#### **Art and Music**

AP Studio Art 2D  
AP Studio Art: 3D  
AP Music Theory

#### **Business**

AP Computer Science A  
AP Principles of Computer Science

### **Honors/Advanced Courses**

#### **English**

Advanced English 9  
Advanced English 10  
Media Arts: Publishing Honors

#### **Mathematics**

Algebra II Honors  
Geometry Honors  
Pre-Calculus/Trig Honors

#### **Science**

Anatomy & Physiology Honors  
Biology Honors  
Advanced College Project Chemistry I Honors (ACP 1)  
Advanced College Project Chemistry II Honors (ACP 2)

#### **World Languages**

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

## ***COURSE REQUEST AND SCHEDULE CHANGES***

**Designing your ideal schedule is an important decision.** The high school master schedule is **created**, the budget is **prepared**, and staff is hired based on student course **requests**. Lake Central High School students are expected to **invest quality time** planning their course requests. This **planning** should consist of **consultation** with parents, teachers, counselors, college advisors, and anyone who could provide **sound advice** while working toward the student's **long-term goals**.

**Any request for course changes must be made by the end of course request period the prior year. After the semester begins, students will have 8 school days to make elective changes in their schedule.** Teachers have **6 weeks to make level recommendations**. **Requests for teacher changes will not be accommodated.** Also, students are permitted only **one study hall**.

**A student's schedule may also be changed for the following reasons:**

- A. Errors made by the school in developing the schedule
- B. The school's need to balance class sizes
- C. Medical reasons with documentation
- D. To correct inappropriate placement - student with a failure and needs to repeat a class or a student placed at an inappropriate level.
- E. To upgrade the content of the schedule - move to an advanced, Honors, or AP course, if available
- F. Scheduling conflicts

Circumstances beyond those listed above will be reviewed by school counselors to determine if a change is truly needed. **ALL changes are contingent on the availability of the course requested and input from the current classroom teacher, potential classroom teacher, parent, counselor, advisory team, and student.**

## ***LCHS 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: 6:50 AM – 2:50 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.

### **Study Hall**

Students who wish to visit the library during study hall must obtain a signed pass from the librarian prior to the hour of their assigned study hall. There are a limited number of study hall passes available and students should plan ahead if their homework requires them to **use the library's collection** during their assigned study hall. 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.



# LAKE CENTRAL HIGH SCHOOL 2016-2017 COURSE SELECTION SHEET

R = Required Course

Q = Quantitative Reasoning Course

D = Dual Credit Course

2/3/2016

## CORE COURSES

ENGLISH	R	Q	D	Grade	Level
English 9	R			9	
English 9 with Lab				9	
Advanced English 9				9	
English 10	R			10	
Advanced English 10				10	
English 10 with Lab				10	
English 11	R			11	
English 11 AP Language & Composition				11	
Composition (s)	R		D		12
World Literature (s)	R				12
English 12 AP Literature & Composition			D		12
Advanced Speech & Communication (s)					12
Short Stories (s)					12
Film Literature (s)				11	12
English as a New Language				9	10 11 12

MATHEMATICS	R	Q	D	Grade	Level
Algebra I	R			9	
Algebra I with Lab				9	
Geometry	R			9	10
Geometry with Lab				10	
Geometry Honors				9	10
Algebra II	R			10	11 12
Algebra II Honors				10	11 12
PreCalculus (s)				10	11 12
Trigonometry (s)					11 12
PreCalculus/Trigonometry Honors			D		11 12
Statistics (s)					11 12
AP Statistics					11 12
AP Calculus AB			D		12
AP Calculus BC (2 periods)			D		12

PHYSICAL EDUCATION	R	Q	D	Grade	Level
Secondary Phy Ed I/II-Aquatic Fit(s)	R			9	
Secondary Phy Ed I/II-gym (s)	R			9	
Physical Conditioning (s)				10	11 12
Sports Conditioning (s)				10	11 12
Life Saving & Water Safety (s)				10	11 12
Lifetime Fitness (s)				10	11 12
Health Education (s)	R			10	11 12
Lifeguarding				10	11 12
Advanced Life Saving (s)				10	11 12
Intro to Sports Medicine				10	11 12

SCIENCE	R	Q	D	Grade	Level
Biology	R			9	
Biology Honors (Pre-AP Biology)				9	
Chemistry	R	Q		10	11 12
Chemistry Honors		Q		10	11 12
Integrated Chemistry/Physics		Q		10	11 12
Chemistry Honors (ACP-1)		Q	D	10	11 12
Chemistry Honors (ACP-2)		Q	D	11	12
Earth & Space Science				10	11
Environmental Science (s)				10	11
AP Biology		Q	D	10	11 12
AP Chemistry (2 periods)		Q			11 12
Physics		Q		10	11 12
AP Physics 1		Q		11	12
AP Physics 2		Q		11	12
AP Physics 1&2 (2 periods)		Q		11	12
Anatomy & Physiology Honors			D	11	12
AP Environmental Science		Q		11	12
Human Genetics (s)				10	11 12
Zoology (s)				11	12
Forensic Science (s)				11	12
Marine Biology I&II (summer only) (s)				10	11 12

SOCIAL STUDIES	R	Q	D	Grade	Level
World History				9	10 11 12
AP Human Geography/Geo Hist of World				9	10 11 12
U.S. History	R		D		11
AP U.S. History				10	11 12
U. S. Government (s)	R		D		12
AP American Government & Politics (s)				10	11 12
Economics (s)	R	Q			12
AP Macroeconomics (s)		Q			12
AP Microeconomics (s)		Q			12
Topics in History: Contemp U.S. Hist (s)				11	12
AP European History				10	11 12
Psychology (s)				10	11 12
AP Psychology				10	11 12
Sociology (s)			D	10	11 12

WORLD LANGUAGES	R	Q	D	Grade	Level
French I, II				9	10 11 12
French III Honors			D		11 12
French IV Honors			D		12
German I, II				9	10 11 12
German III Honors				11	12
German IV Honors					12
Spanish I, II, III, IV				9	10 11 12
Spanish III Honors			D		11 12
Spanish IV Honors			D		12

## ARTS

ART	R	Q	D	Grade	Level
Introduction to 2-D Art				9	10 11 12
Advanced 2-D Art II				10	11 12
Advanced 2-D Art III/IV					11 12
Introduction to 3-D Art				9	10 11 12
Advanced 3-D Art				10	11 12
Ceramics I (s)				9	10 11 12
Ceramics II (s)				9	10 11 12
Advanced Ceramics (s)				10	11 12
AP Studio Art: 2-D					11 12
AP Studio Art: 3-D Design (Ceramics)					11 12

COMMUNICATIVE ARTS	R	Q	D	Grade	Level
Media Arts: Publishing (2 periods)				10	11 12
Media Arts: Publishing H (2 periods)					11 12
Theater Arts				9	10 11 12
Advanced Theater Arts				10	11 12
Technical Theater				9	10 11 12
Advanced Technical Theater				10	11 12
Theater Production Management				9	10 11 12
Introduction to Journalism				9	10 11 12
Digital Photography (s)				9	10 11 12
Broadcast Journalism					11 12

MUSIC	R	Q	D	Grade	Level
Junior Treble Choir				9	10 11 12
Senior Treble Choir					10 11 12
Varsity Choir				9	10 11 12
Concert Choir					10 11 12
Symphonic Band				9	10 11 12
Concert Band				9	10 11 12
Wind Ensemble					10 11 12
Percussion Ensemble (s)				9	10 11 12
Percussion Ensemble II (s)				9	10 11 12
Jazz Ensemble I				9	10 11 12
Jazz Ensemble II				9	10 11 12
Electronic Music (s)				9	10 11 12
Dance Performance (Color Guard) (s)				9	10 11 12
Dance Performance (Winter Guard) (s)				9	10 11 12
Music Theory I (s)				9	10 11 12
AP Music Theory					10 11 12
Music History/Appreciation (s)				9	10 11 12
Hand Bells I				9	10 11 12
Hand Bells II					10 11 12

## CAREER AND TECHNICAL EDUCATION

BUSINESS	R	Q	D	Grade	Level
Intro to Business				9	10 11 12
Administrative Office Management			D	10	11 12
Principles of Business Management			D	10	11 12
Introduction to Accounting		Q		9	10 11 12
Banking & Invest. Careers		Q	D	10	11 12
Digital Apps and Responsibility I (s)			D	9	10 11 12
Digital Apps and Responsibility II (s)				9	10 11 12
Web Design (s)				10	11 12
Computer Illustration & Graphics (s)				10	11 12
Business Law & Ethics (s)			D	10	11 12
Personal Financial Resp. (s)	R	Q			11 12
Principles of Marketing (s)			D	9	10 11 12
Strategic Marketing			D		11 12
Merchandising (Fashion)				10	11 12
Sports & Entertainment Marketing					11 12
Preparing for College & Careers (s)					12
Computer Science I		Q	D	9	10 11 12
Computer Science II		Q	D	9	10 11 12
AP Principles of Computer Science		Q		9	10 11 12
AP Computer Science A		Q	D	9	10 11 12

FAMILY & CONSUMER SCIENCES	R	Q	D	Grade	Level
Nutrition and Wellness I (s)				9	10 11 12
Nutrition and Wellness II (s)				9	10 11 12
Advanced Nutrition & Wellness (s)				10	11 12
Human Dev. & Family Wellness (s)				9	10 11 12
Adult Roles & Responsibilities (s)					11 12
Housing & Interior Design Careers (s)				9	10 11 12
Child Development & Parenting (s)				9	10 11 12
Interpersonal Relationships (s)				9	10 11 12

ENGINEERING TECHNOLOGY EDUCATION	R	Q	D	Grade	Level
Introduction to Engineering Design				9	10 11 12
Principles of Engineering PLTW (Drafting		Q		10	11 12
Civil Engineering Architecture PLTW		Q			11 12

TECHNICAL EDUCATION	R	Q	D	Grade	Level
Intro to Communications/Graphics				9	10 11 12
Graphic Imaging Tech (Graph II/III) (3pd)					10 11 12
Intro to Manufacturing				9	10 11 12
Precision Mach II/III(Mach II/III) (3 pd)		Q	D		10 11 12
Transportation Processes				9	10 11 12
Auto Services Technology AM (3 pd)			D		11 12
Auto Services Technology PM (3 pd)			D		11 12

MISCELLANEOUS	R	Q	D	Grade	Level
Peer Mentoring (s)					12
Peer Tutoring (s)					11 12
Cadet Teaching (1-3 periods)					11 12
College Courses (off campus)					12
Study Hall (no credit)				9	10 11 12
Community Service (s) (no credit)					12
Career Exploration Internship (1-4 periods)					11 12
Independent Research					12

AREA CAREER CENTER (4 periods)	R	Q	D	Grade	Level
Auto Technology					11 12
Collision & Refinishing Technology					11 12
Computer Information Technology					11 12
Construction Technology					11 12
Criminal Justice & Law					11 12
Culinary & Pastry Arts Sciences					11 12
Dental Assisting					11 12
Digital Imaging & Design					11 12
Early Childhood Education Services					11 12
Emergency Medical Services					11 12
Eng PLTW & Adv. Manufacturing					11 12
Health Careers					11 12
Multimedia Editing & Production					11 12
Welding					11 12

# COURSE DESCRIPTIONS

These courses are subject to change based on funding, participation of students and teacher licensing.

## MATHEMATICS

### Algebra I (M25200)

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.

### Geometry Honors (M2532H)

2 semesters, 2 credits

Recommended: Grade of A or B in Algebra I

Geometry Honors will 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 Honors (M2522H)

2 semesters, 2 credits

Recommended: Geometry Honors or Geometry with teacher recommendation

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.

## SCIENCE

### Biology I (S30240)

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 (Pre-AP Biology) (S3024H)

2 semesters, 2 credits

Recommended: Grade of A or B in Adv. Science 8

Biology Honors functions as a Pre-AP Biology course in life sciences and is designed to help prepare students to take AP Biology. It is recommended for those who want a more challenging and in depth course than would be offered in Biology I. 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, inquiry-based 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.

## ENGLISH

### English 9 (E10020)

2 semesters, 2 credits

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. Students write and deliver grade-appropriate oral and multimedia presentations.

### Advanced English 9 (E1002H)

2 semesters, 2 credits

Advanced English 9 is an accelerated curriculum. It involves a more in-depth study of various units than the general 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 longer works, as well as poetry, nonfiction, informational text and short stories, are read. Vocabulary is taught both as part of the reading selections and as a separate entity. Students write and deliver grade-appropriate oral and multimedia presentations. Required Summer Reading: *A Raisin in the Sun*, Lorraine Hansberry and *The Road*, Cormac McCarthy

## **SOCIAL STUDIES**

### **World History (H15480)**

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 recommended to be taken before 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.

### **AP Human Geography/Geography History of the World (H15720/H15700)**

2 semesters, 4 credits

Recommended: B in English

Advanced Placement Human Geography/Geography & History of the World focuses on the distribution, processes, and effects of human populations or the planet. 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 are expected to engage with this content through the broad themes of physical geography, population, migration, cultural patterns and processes, political geography, economic development, industry, agriculture, and urban geography. Throughout the course of the school year, students will also be covering topics at a basic geography level to expand their knowledge of AP Human Geography. Students taking this course will have the opportunity to earn 4 credits (2 credits for AP Human Geography and 2 for Geography/History of the World).

## **WORLD LANGUAGES**

### **Level 1 World Languages**

#### **French I (F20200), German I (F20400), Spanish I (F21200)**

2 semesters, 2 credits

No Prerequisite

Level 1 World Language courses are based on Indiana's Academic Standards for World Languages. They introduce students to effective strategies for beginning language learning and to various aspects of the target language culture. These courses encourage interpersonal communication through speaking and writing, and emphasize the development of reading and listening comprehension skills. Additionally, students will examine the practices, products, and perspectives of the target culture. These courses further emphasize making connections across content areas and the application of understanding the target language and culture outside of the classroom.

## **BUSINESS**

### **Introduction to Business (B45180)**

2 semesters, 2 credits

Recommended: ICT

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 application of business etiquette and ethics are also included. The course covers business management, entrepreneurship, marketing fundamentals, and business ethics and law. The course further develops business vocabulary and provides an overview of business and the role that business plays in economic, social, and political environments.

### **Introduction to Accounting (B45240)**

2 semesters, 2 credits

Quantitative Reasoning Course

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.

### **Digital Applications and Responsibility (Formerly Information Communication Technology) (B45280)**

1 semester, 1 credit

Dual Credit: CINS 101 Ivy Tech

Information Communications and Technology introduces students to the physical components and operation of computers. Technology is used to build students decision-making and problem-solving skills. Students should be given the opportunity to seek an industry-recognized digital literacy certification. 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.

### **Digital Applications and Responsibility II (Formerly Information Communication Technology II) (B45282)**

1 semester, 1 credit

Recommended: Digital Applications and Responsibility I (ICT-I)

Expansion of MS Office 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 helps students gain confidence in using technology. These skills will benefit students their whole lives.

### **Principles of Marketing (B59140)**

1 semester, 1 credit

Dual Credit: MKTG 101 Ivy Tech

Want to be a better consumer and learn the fundamentals of marketing? In Principles of Marketing, 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.



### Computer Science I (B48010)

2 semesters, 2 credits

Dual Credit: CINS 137 Ivy Tech

Quantitative Reasoning Course

Recommended: Algebra I

Computer Programming I (Visual Basic) 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. Computer Programming I will cover fundamental concepts of programming through explanations and effects of commands, and hands-on utilization of lab equipment to product correct output. This course introduces the structured techniques necessary for efficient solution of business-related computer programming logic problems and coding solutions into a high-level language, and includes program flowcharting, pseudo coding, and hierarchy charts as a means of solving these problems. The course covers creating file layouts, print charts, program narratives, user documentation, and system flowcharts for business problems, and reviews algorithm development, flowcharting, input/output techniques, looping, modules, selection structures, file handling, and control breaks. It also offers students an opportunity to apply skills in a laboratory environment. Visual Basic is the only (computer) language being examined and utilized. Demonstrations of business problems and solutions techniques will be reviewed. 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. \*\* IT Academy Certification

### Computer Science II (B52360)

2 semesters, 2 credits

Dual

Credit: CINS 121 Ivy Tech

Quantitative Reasoning Course

Recommended: Algebra I

Computer Programming II (C++) 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. Computer Programming II explores and builds skills in C++ and Java. The study of C++ provides an understanding of the fundamentals of procedural program development using structured, modular concepts, and emphasizes logical program design involving user-defined functions and standard structure elements. Discussions will include the role of data types, variables, structures, addressable memory locations, arrays and pointers. Data file access methods are also presented. The development of

Java programming skills will provide a basic understanding of the fundamental concepts with an emphasis on logical program design using a modular approach which involves task oriented program functions. Java allows the design of an Internet user interface. The application is built by selecting forms and controls, assigning properties and writing code. 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. \*\* IT Academy Certification

### AP Computer Science A (B45700)

2 semesters, 2 credits

Dual Credit:

CINS 136

Quantitative Reasoning Course

Recommended: ICT I AND Computer Programming I OR Computer Programming II

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.

### AP Computer Science Principles (B45680)

2 credits, 2 semesters

AP Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. With a unique focus on creative problem solving and real-world applications, AP Computer Science Principles prepares students for college and careers.

## FINE ARTS

### Introduction to Two-Dimensional Art (A40000)

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.

### Introduction to Three-Dimensional Art (A40020)

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.

### Ceramics I (A40401)

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 (A40402)

1 semester, 1 credit

Recommended: Ceramics I

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 is placed on design aesthetics, more advanced glazed and staining techniques, visual problem solving, art criticism, and self-critique.

## PHYSICAL EDUCATION

### Secondary Physical Education I/II (pool/gym) (P35440/P35420)

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.

## COMMUNICATIVE ARTS

### Theater Arts (T42420)

2 semesters, 2 credits

Theater Arts I is a year-long course for freshmen, sophomores, juniors and seniors. Theater Arts I introduces students to the basics of theater. Students do various activities and exercises that introduce and familiarize them with all aspects of theater. Using the knowledge gained through the study of theater, students focus on solving problems faced by actors, directors, and technicians. They also refine their abilities to collaborate on performances, and they learn to constructively evaluate their own and others' efforts.

### Theater Production Management (T42480)

2 semesters, 2 credits

Students enrolled in Theater Production Management take on the responsibilities associated with the technical rehearsal and presentation of a theater production. Students learn sound, lighting, and rigging equipment; safety and security of the facility; front of house duties; and back of house duties. Students will perform roles in a production such as lighting, spotlight, soundboard, costumes, props, and curtain for Advanced Theater class productions. In addition, students will be staff for the auditorium director on productions and events. Therefore, some out of class auditorium events will be required to work in exchange for pay.

### Technical Theater (T42440)

2 semesters, 2 credits

Technical Theatre is a year-long class focused on the non-acting aspects of plays. Emphasis will be placed on sets, lighting, sound, costumes and makeup. This class will look at building sets, creating lighting and sound effects, basic costume techniques and applying stage makeup. The application of basic algebra will be used. Students will be required to commit to some after-school practical experiences as part of the course. A makeup kit will be purchased during the year by the student as a part of the class.

### Digital Photography: Media Arts (T40620)

1 semester, 1 credit

Recommended: 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.

## FAMILY AND CONSUMER SCIENCES (FACS)

### Nutrition & Wellness I (C53421)

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 (C53422)

1 semester, 1 credit

Recommended: Nutrition & Wellness I

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.

### Human Development & Family Wellness (C53660)

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 (C53500)

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.

### Child Development and Parenting (C53620)

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 (C53640)

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.



## **MUSIC (FINE ARTS)**

### **Junior Treble: Beginning Choir (U14820)**

2 semesters, 2 credits

Girls entering choir for the first time at the high school level 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 their following years.

### **Varsity Choir: Intermediate Choir (U41860)**

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.

### **Hand Bells I: Instrumental Ensemble (U41621)**

2 semesters, 2 credits

Recommended: Some note reading ability

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.

### **Symphonic Band: Beginning Concert Band (U41660)**

2 semesters, 2 credits

Recommended: Complete formal instruction at the middle school. Special circumstances 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 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 is not part of the Lake Central Marching Band.

### **Concert Band: Intermediate Concert Band (U41600)**

2 semesters, 2 credits

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

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.

### **Percussion Ensemble I/II: Instrumental Ensemble (U41620)**

1 semester, 1 credit

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.

### **Jazz Ensemble I (U41641)**

2 semesters, 2 credits

Recommended: Selection by the director based on audition

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. 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 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 (U41642)**

2 semesters, 2 credits

Recommended: Complete formal instruction at the middle school level

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 (U42020)**

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.

### **Dance Performance: Color Guard (U4146C)/Winter Guard (U4146W)**

2 semesters, 2 credits

Recommended: 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 marching band program. 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. 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.

### **Music Theory I (U42080)**

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 the following: 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.

### **Music History/Appreciation (U42060)**

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.

## **ENGINEERING TECHNOLOGY EDUCATION**

### **Introduction to Engineering Design (Drafting I) Project Lead the Way (V48120)**

2 semesters, 2 credits

Introduction to Engineering Design (IED) is a high school level course that is appropriate for 9th or 10th grade students who are interested in design and engineering or another technical career. The major focus of the IED course is to expose students to a design process, professional communication and collaboration methods, design ethics, and technical documentation. IED gives students the opportunity to develop skills in research and analysis. Teamwork, technical writing, engineering graphics, and problem solving through activity-, project-, and problem-based (APPB) learning are emphasized. Used in combination with a teaming approach, APPB-learning challenges students to continually hone their interpersonal skills and creative abilities while applying math, science, and technology knowledge learned in other courses to solve engineering design problems and communicate their solutions. IED also allows students to develop strategies to enable and direct their own learning, an ultimate goal of education. No previous knowledge is assumed, but students should be concurrently enrolled in college preparatory mathematics and science courses in order to facilitate the use and understanding of appropriate math and science concepts necessary for the successful completion of IED coursework. In addition, students will use industry standard 3D solid modeling software to facilitate the design and documentation of their solutions to design problems and challenges. As the course progresses and the complexity of the design problems increase students will learn more advanced computer modeling skills as they become more independent in their learning, more professional in their collaboration and communication, and more experienced in problem solving.

## **CAREER TECHNOLOGY EDUCATION**

### **Introduction to Communications & Graphics (V55500)**

(V62210)

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.

### **Introduction to Manufacturing (V47840)**

2 semesters, 2 credits

Introduction to Manufacturing 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 venire 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 Introduction to Manufacturing 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.

### **Transportation Processes (V47980)**

2 semesters, 2 credits

Transportation Processes 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 Transportation program will give each student basic auto skills which they will be able to use after completing the first year.

## **MISCELLANEOUS**

### **Study Hall (10010)**

2 semesters, 0 credits

Students may choose to take a study hall if they have completed all necessary coursework and are on track with their credits. This study hall should be used to work on homework or to study for tests/quizzes. Students receive no credit for taking a study hall.

2/3/2016