

# DIXIE HEIGHTS HIGH SCHOOL



2024-2025

**COURSE SELECTION GUIDE**

# #Colonel**PRIDE**

**P**urpose

**R**espect

**I**nclusion

**D**edication

**E**xcellence

**#Ownyoureducation**

**#greatdayatdixie**

# Table of Contents

Letter from the Principal	4
Honors-Advanced Placement Program	5
Graduation Requirements	6-7
Graduation Diploma & Recognitions	8
Early Graduation	9
Transition Readiness & Career Pathways	10-13
Ignite Institute	13
JROTC Graduation Requirements	14
Recommended Sequence of Courses	15
Dual Credit Opportunities & Courses	16-19
NCAA Requirements	20-21
Schedule Change Policy	22
Course Descriptions	22-39

## **LETTER FROM THE PRINCIPAL**

Dear Students:

At Dixie Heights High School, our goal is that you will develop a personal pathway that will enable you to achieve your individual goals. Whether the goal is to attain a four-year college degree, two-year associate's degree, industry certification, or enlist in the military, our staff is here to support you in your pursuit.

This Course Curriculum Guide allows you to research and plan your academic schedule around your personal pathway. Within this document you will find information on graduation requirements, academic honors, academic pathways, and career pathways that will help you with your decisions. It is important to consider your short and long-term goals in researching your pathway.

The decisions that you are making are very important for your success. Please make sure you ask questions of your teachers, counselors, and PRIDE mentors. Our course offerings are decided through this scheduling process. It is important you make informed decisions, because once the new school year begins changing your schedule becomes difficult.

Our administration, faculty, and community are committed to supporting you in this journey and ensuring you have the opportunity to achieve at high levels. Each of you have great potential for academic and career success beyond the walls of Dixie Heights High School and we are here to support you. We look forward to an exciting 2024-2025 school year at Dixie Heights High School.

Sincerely,

**Roddy Stainforth**  
Dixie Heights High School  
Principal

**HONORS - ADVANCED PLACEMENT (AP) – DUAL CREDIT COURSES**

This program provides academically talented students an excellent preparation for college work and the opportunity to earn college credit while remaining enrolled in high school. The courses listed below are the Honors and Advanced Placement offerings that are available. For eligibility requirements, please see the course description for each course. Some courses require an assessment criteria and/or a teacher recommendation. These classes demand more work on the part of the student, including work that begins during the summer months prior to the beginning of the class. As a result, Dual Credit, Honors and Advanced Placement courses are weighted to reflect the quality and quantity of the work undertaken. The chart below shows the quality point weights used in calculating a student’s GPA. **Please know, however, that the state only weights AP and Dual Credit courses, not Honors level courses, for the purpose of calculating KEES money (Kentucky Excellence in Education Scholarship).**

**Honors Courses**

Spanish 3 Honors                      German 3 Honors                      Pre-Calculus Honors                      Intro to Calculus Honors

**Advancement Placement Courses**

Art	Biology	Chemistry
US History	American Government	European History
Spanish	German	English Language & Composition
Music Theory	Calculus AB/BC	English Literature & Composition
Statistics	Comparative Politics	

**Post-Secondary Courses**

Northern Kentucky University Courses	Gateway Community and Technical College
Thomas More College	Eastern Kentucky University

**GRADING SCALE**

<b>Grade</b>	<b>Percent</b>	<b>Unweighted GPA</b>	<b>Standard Weighted GPA</b>	<b>AP/Honors/Dual Credit Weighted GPA</b>
A+	97 – 100	4.0	4.0	5.0
A	93 – 96	4.0	4.0	5.0
A-	90 – 92	4.0	3.7	4.7
B+	87 – 89	3.0	3.3	4.3
B	83 – 86	3.0	3.0	4.0
B-	80 – 82	3.0	2.7	3.7
C+	77 – 79	2.0	2.3	3.3
C	73 – 76	2.0	2.0	3.0
C-	70 – 72	2.0	1.7	2.7
D+	67 – 69	1.0	1.3	2.3
D	63 – 66	1.0	1.0	2.0
D-	60 – 62	1.0	0.7	1.7
F	0 – 59	0.0	0.0	0.0

**KEES GPA**

KEES GPA is calculated using the unweighted GPA Grading Scale. Advanced Placement (AP) and Dual Credit courses are awarded one bonus GPA point. Honors level courses do not receive a weighted bonus point for KEES calculations.

**HONOR ROLL AND DEAN’S LIST POLICY**

The Honor Roll and Dean’s list will be determined for each of the three grading periods (terms) and will be determined using the following criteria:

<b>DEAN’S LIST</b>	<b>5.3 - 4.0 GPA</b>	<b>HONOR ROLL</b>	<b>3.99 - 3.00 GPA</b>
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Students receive a failing grade will be ineligible for the Honor Roll and Dean’s List – GPA is **NOT** rounded up for awards

## Graduation Requirements class of 2024, 2025 & 2026

<b>English</b>	4 credits (English 1,2,3,4, or equivalents) All students must take an English course each year.
<b>Mathematics</b>	4 credits (Algebra 1, Geometry, Algebra 2, plus one additional course) All students must take a Math course each year.
<b>Science</b>	3 Credits (Integrated Science, Biology or equivalents, and an additional credit(s) of Science as needed. Chemistry may be substituted for students who successfully completed Algebra 1 in middle school.
<b>Social Studies</b>	3 Credits (Integrated Social Studies, World Civilization, U.S. History, or equivalents)
<b>Health / Physical Education</b>	1 Credit (½ Health and ½ Physical Education)
<b>Humanities</b>	1 Credit (Any Art, Choir, Music, or Drama class)
<b>Practical Living</b>	1 Credit (½ credit of Business Marketing Essentials and ½ credit of any CTE or vocational pathway)
<b>Electives</b>	11 Credits
<b>Total Credits</b>	28 credits needed for graduation

### CREDITS NEEDED FOR PROMOTION

Senior	– 20.5 credits (including English 1, 2, 3)
Junior	– 13 credits (including English 1, 2)
Sophomore	– 6 credits (including English 1)

*To be eligible to play a fall sport, students must be on grade level on the first day of the school year, according to KHSAA rules. To play a winter or spring sport, students must be on grade level when that sport's season begins. (Oct. 1 for swimming/diving; Oct. 15 for all other winter sports; Feb. 15 for all spring sports.)*

### Other Graduation Requirements:

Students must:

- Complete 12 Trimesters (equivalent of 4 years) of coursework based on a 6hr instructional day.
- Pass the KDE Civics Exam.
- An Individual Learning Plan must be updated every year and completed by graduation.
- Students must demonstrate performance-based competency with technology.

A student in Accelerated Algebra 1, Accelerated Geometry, and Spanish 1 as a KCSD middle school student will receive high school credit if the student maintains a final grade of C- or better. This un-weighted course will be calculated into the High School GPA.

Students from non-KCSD middle schools may be awarded high school credit for courses completed in middle school if the course was taught for high school credit and the student maintained a final grade of C- or higher. This un-weighted course will be calculated into the High School GPA. Final credit approval will be determined by Dixie Administration.

***The principal maintains the discretion to approve substitute courses to satisfy graduation requirements.***

## Graduation Requirements class of 2027 and beyond

<b>English</b>	4 credits (English 1,2,3,4, or equivalents) All students must take an English course each year.
<b>Mathematics</b>	4 credits (Algebra 1, Geometry, Algebra 2, plus one additional course) All students must take a Math course each year.
<b>Science</b>	3 Credits (Integrated Science 1, Biology, Integrated Science 2, or equivalents)
<b>Social Studies</b>	3 Credits (Integrated Social Studies, World Civilization, U.S. History, or equivalents)
<b>Health / Physical Education</b>	1 Credit (½ Health and ½ Physical Education)
<b>Humanities</b>	1 Credit (Any Art, Choir, Music, or Drama class)
<b>Practical Living</b>	1 Credit (½ credit of Business Marketing Essentials and ½ credit of any CTE or vocational pathway)
<b>Electives</b>	11 Credits
<b>Total Credits</b>	28 credits needed for graduation

### CREDITS NEEDED FOR PROMOTION

Senior	– 20.5 credits (including English 1, 2, 3 or equivalents)
Junior	– 13 credits (including English 1, 2 or equivalents)
Sophomore	– 6 credits (including English 1 or equivalent)

*To be eligible to play a fall sport, students must be on grade level on the first day of the school year, according to KHSAA rules. To play a winter or spring sport, students must be on grade level when that sport's season begins. (Oct. 1 for swimming/diving; Oct. 15 for all other winter sports; Feb. 15 for all spring sports.)*

### Other Requirements:

Students must:

- Complete 12 Trimesters (equivalent of 4 years) of coursework based on a 6hr instructional day.
- Pass the KDE Civics Exam.
- An Individual Learning Plan must be updated every year and completed by graduation.
- Students must demonstrate performance-based competency with technology.

A student in Accelerated Algebra 1, Accelerated Geometry, and Spanish 1 as a KCSD middle school student will receive high school credit if the student maintains a final grade of C- or better. This un-weighted course will be calculated into the High School GPA.

Students from non-KCSD middle schools may be awarded high school credit for courses completed in middle school if the course was taught for high school credit and the student maintained a final grade of C- or higher. This un-weighted course will be calculated into the High School GPA. Final credit approval will be determined by Dixie Administration.

***The principal maintains the discretion to approve substitute courses to satisfy graduation requirements.***

## Graduation Diploma and Graduation Recognitions

Beginning with the Class of 2021, **ALL** students meeting the Dixie graduation requirements will be awarded the Dixie Heights Diploma. Students with an IEP who meet the requirements for the Alternate Diploma will receive a Dixie Diploma for this achievement.

Students will be recognized for sustained academic achievement and rigorous course selection. Students must complete the criteria below in order to receive recognition at graduation.

**Summa Cum Laude:** Students must have a final weighted GPA  $\geq 4.2$ . Students must also complete of 5 AP/Dual Credit classes from 4 of the 6 academic areas (English, Science, Math, Foreign Language, Social Studies, Visual & Performing Arts).

**Magna Cum Laude:** Students must have a final weighted GPA  $\geq 3.8$ . Students must also complete of a minimum of 2 AP/Dual Credit classes

**Cum Laude:** Students must have a final weighted GPA  $\geq 3.5$

Minimum Graduation Requirements	Pre-College Curriculum Requirements	Advanced/ Honors Coursework Students are encouraged to complete Advanced Placement (AP) or Dual Credit Coursework
<p><b>English I, II, III, IV</b>    <b>4 Credits</b></p> <p><b>Mathematics</b>            <b>4 Credits</b> Algebra 1, Geometry; and Alg. 2 and math elective (must take a math class each year of high school)</p> <p><b>Science</b>                    <b>3 Credits</b> Biology, Integrated Science, + 1 credit elective (Chemistry may be substituted for Int, Science for students that have successfully completed Algebra 1 in Middle School – <b>Integrated Science 2 is required for class of 2027 and beyond.</b></p> <p><b>Social Studies:3 Credits</b> Intro. To Social Studies (Geography, Government &amp; Economics), World Civilizations &amp; US History</p> <p><b>Visual &amp; Performing Arts</b>    <b>1 Credit</b></p> <p><b>CTE</b>                            <b>1 Credit</b> <u>Must</u> include ½ credit of Bus. Marketing &amp; Essentials A</p> <p><b>Health</b>                        <b>½ Credit</b></p> <p><b>Physical Education 1</b>    <b>½ Credit</b></p> <p><b>Electives</b>                    <b>11 Credits</b></p> <p><b>TOTAL</b>                        <b>Minimum of 28 Credits</b></p>	<p><b>English I, II, III, IV</b>    <b>4 credits</b></p> <p><b>Mathematics</b>            <b>4 Credits</b> Algebra 1; Geometry; and Algebra 2, and math elective (must take a math class each year of high school)</p> <p><b>Science</b>                    <b>3 Credits</b> Biology, Integrated Science plus 1 credit including chemistry or Physics, (Chemistry may be substituted for Int, Science for students that have successfully completed Algebra 1 in Middle School)</p> <p><b>Social Studies</b>            <b>3 Credits</b> Intro. to Social Studies (or AP Government), US History (or AP US History), and World Civilizations (or AP European History)</p> <p><b>Foreign Language</b>      <b>2 Credits</b> 2 credits in same language (Spanish or German)</p> <p><b>Visual &amp; Performing Arts</b> <b>1 Credit</b></p> <p><b>CTE</b>                            <b>1 Credit</b> Must include ½ credit of Bus. Marketing &amp; Essentials A</p> <p><b>Health &amp; PE</b>            <b>½ Credit Each</b></p> <p><b>Physical Education I</b>    <b>½ Credit</b></p> <p><b>Electives</b>                    <b>9 Credits</b></p> <p><b>TOTAL</b>                        <b>Minimum of 28 Credits</b></p>	<p><b>AP English-</b> AP Language or AP Literature</p> <p><b>AP Science-</b> AP Biology or AP Chemistry</p> <p><b>AP Math-</b> AP Calculus AB or BC or AP Statistics</p> <p><b>AP Foreign Language-</b> AP Spanish or AP German</p> <p><b>AP Social Studies-</b> AP Government, AP US History, AP European History, or AP Comparative Politics</p> <p><b>AP Visual &amp; Performing Arts-</b> AP Art or AP Music Theory</p>



### **EARLY GRADUATION CERTIFICATE (PATHWAY)**

Students who meet all applicable legal requirements shall be eligible for early graduation in relation to receipt of a graduation diploma and an Early Graduation Certificate. Students wishing to follow an early graduation pathway shall notify the Principal of their intent prior to the beginning of grade nine (9) or as soon thereafter as the intent is known, but within the first thirty (30) school days of the academic year in which they wish to graduate. A Letter of Intent (08.113 AP.21) to apply shall be entered into the student information system by October 1 of the year the student declares intent for early graduation.<sup>4</sup> The student must graduate in three (3) years or less. Students exceeding three (3) years to not qualify for the incentives identified with Early Graduation.

Students working toward receipt of an Early Graduation Certificate shall be supported by development and monitoring of an ILP to support their efforts.

To earn an Early Graduation Certificate, the student must meet all requirements established in [013 KAR 002:020](#), [703 KAR 005:200](#), and [704 KAR 003:305](#).

A student who has indicated an intent to graduate early may participate in the student's state administration of the college readiness exam prior to the junior year, if needed. Students who meet all applicable legal requirements shall be awarded a diploma and an Early Graduation Certificate.

### **GRADUATE EARLY (CREDIT-BASED)**

Students who meet the District's requirements shall be eligible to apply to graduate early. The student shall notify the Principal of their intent to request Board approval to graduate early. The Board has the right to deny any request to graduate early. The requirements to apply to graduate early are:

1. Student shall submit a Letter of Intent stating the valid reason for their request.
2. Must have completed all District high school graduation credit requirements.
3. Must provide proof of enrollment in a post-secondary program or enlistment in the military.

## **Pathways to Post-Secondary Success: Academic and Career Readiness Standards**

*Academic and Career Ready* means that students graduate from high school prepared to enter and succeed in postsecondary opportunities—whether *college* or *career*—without need for remediation. To be *Academic and Career Ready*, students must graduate with the knowledge, skills, and dispositions necessary to succeed. All students are encouraged to pursue an educational course of study that will allow them to qualify as Academic Ready and Career Ready. Students are able to meet multiple criteria for each readiness standard.

### College Ready Indicators

*Students are College Ready if they meet either the academic indicator **OR** the standardized testing benchmarks.*

Academic Indicators	Standardized Testing Benchmarks
<p>A student must have a GPA of a 2.8 out of 4.0 and <b>one or more</b> of the following academic indicators:</p> <ul style="list-style-type: none"> <li>• Advanced Placement Exam (Score of 3+)</li> <li>• Advanced Placement Course (Grade of A, B, or C)</li> <li>• Dual Credit College English and/or Math (A, B, or C)</li> <li>• Dual Credit College Courses 6+ Hours (Grade of A, B, or C)</li> <li>• Algebra II (Grade of A, B, or C)</li> </ul>	<ul style="list-style-type: none"> <li>• ACT               <ul style="list-style-type: none"> <li>○ English (18)</li> <li>○ Math (19)</li> <li>○ Reading (20)</li> </ul> </li> <li>• KYOTE (<i>must have a qualifying scores in Writing or Reading and any one of the math exams</i>)               <ul style="list-style-type: none"> <li>○ Writing (6)</li> <li>○ Reading (20)</li> <li>○ College Readiness Math (22)</li> <li>○ College Algebra (14)</li> <li>○ Calculus (15)</li> </ul> </li> </ul>

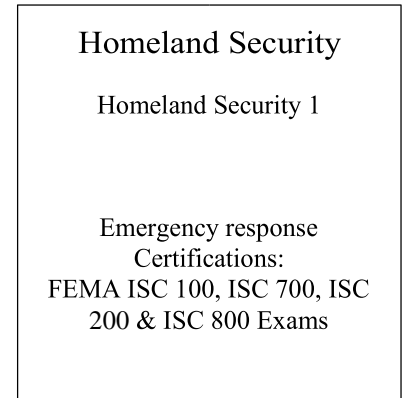
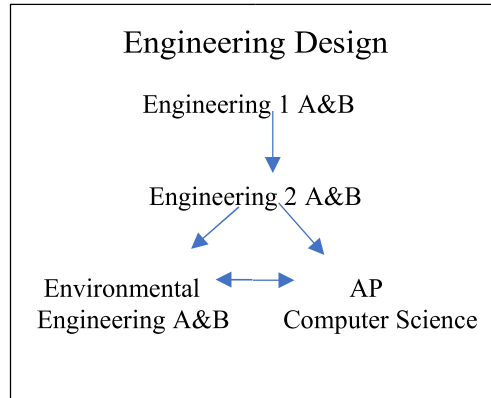
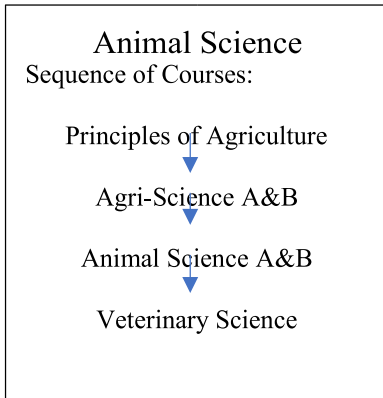
### Career Ready Indicators

*Students are Career Ready if they meet **two** of the benchmarks listed below. In addition, students enlisting in the military upon graduation and/or meeting the passing scores on the Armed Services Vocational Aptitude Battery (ASVAB) for each branch of the military will be considered Career Ready.*

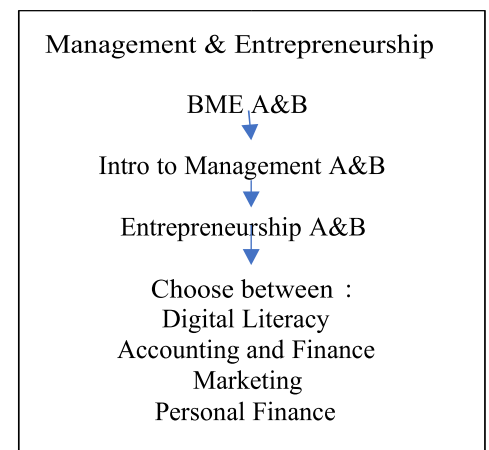
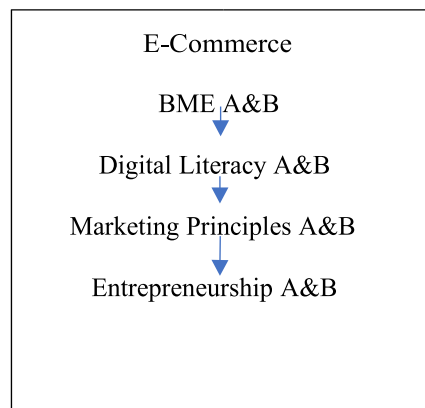
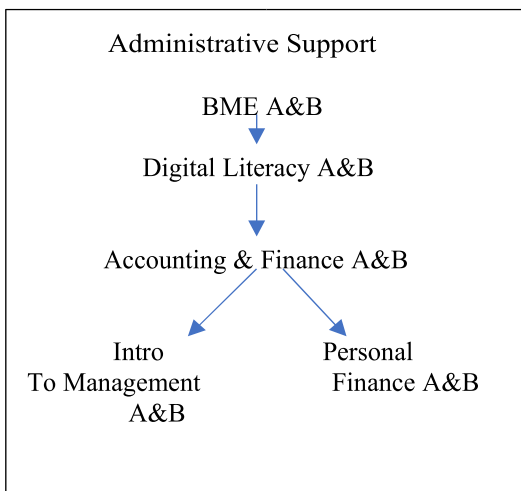
<i>Career Ready Indicators</i>
<ul style="list-style-type: none"> <li>• <i>90% Attendance</i></li> <li>• <i>25 Hours of Community Service</i></li> <li>• <i>Workplace Learning Experience</i></li> <li>• <i>Industrial Credential</i></li> <li>• <i>Dual Credit Career Pathway Course (Grade of A, B or C)</i></li> <li>• <i>One Organized Co/Extra Curricular Activities</i></li> </ul>

## CAREER AND TECHNICAL EDUCATION INDUSTRY CAREER PATHWAYS

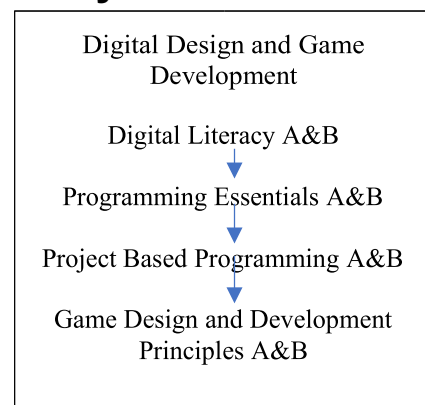
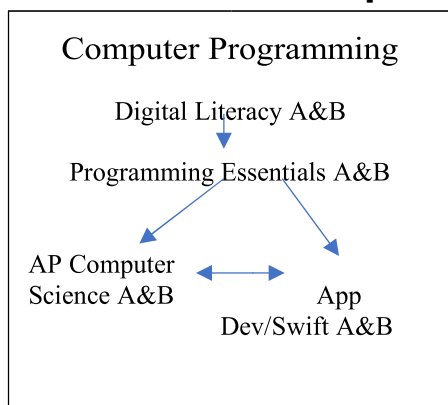
Students will have different opportunities to take Industry Certifications after specific courses. These certifications can help enhance a student’s resume for internships and co-op opportunities. Students are considered a concentrator after completing 2 Credits in a Career Pathway course sequence and will take an End of Program (EOP) Assessment over that pathway. Students who complete 4 credits would be considered a completer of that pathway. Passing the EOP or Industry Certifications will lead to Career Readiness.



## Business Department Pathways



## Computer Science Pathways



## Kenton County School District Career Pathway Opportunities

The following programs are district programs that are open to all Kenton County Students. Acceptance to all District programs is application based. Transportation is provided to some programs, while others require parent-provided transportation. Students may be responsible for minimal costs such as books and supplies.

### **Automotive Engineering**

This pathway is taught at Gateway Community & Technical College. This pathway prepares students to apply technical knowledge and skills to repair, service, and maintain all types of automobiles. Includes instruction in brake systems, electrical systems, engine performance, engine repair, suspension and steering, automatic and manual transmissions and drive trains, and heating and air condition systems. Students have the opportunity to earn the ASE Automotive Maintenance and Light Repair Certification. Note: College credit earned may be used towards additional certifications or a degree in Automotive Engineering, Diesel Technology, or Collision Repair. (Offered in conjunction with Gateway Technical and Community College).

**Student Financial Responsibility:** Cost of textbooks AND Cost of tuition not covered by KHEAA Work Ready Scholarships

**Junior Fall Semester-** ADX 120 & ADX 121- Basic Automotive Electricity w/ Lab (5 credit hours)

**Junior Spring Semester-** ADX 260 & ADX 161- Electrical Systems w/ Lab (5 credit hours)

**Senior Fall Semester-** ADX 170 & ADX 171- Climate Control W/ Lab (4 credit hours)

**Senior Spring Semester-** ADX 150 & ADX 151-Engine Repair w/ Lab (5 credit hours)

**Industry Certification:** ASE Automotive Maintenance & Light Repair Certification

### **Aviation Mechanic**

This pathway will be taught at Cincinnati State Technical and Community College. KCSD will provide transportation for this pathway. Students will earn Aviation Mechanic with Drone Certification. Students will study of all types of aircraft engines (small and large piston, and jet), along with the study of engine systems and propellers. Lab experiences include inspection, troubleshooting, and repair of aircraft engines.

**Student Financial Responsibility:** \$20 for Cincy State Shirt AND Cost of Textbooks

**Junior Fall Semester-** AMT 105 Aircraft Orientation (4 credit hours), AMT 250-Unmanned Ariel System (3 credit hours)

**Junior Spring Semester-** AMT 100 Aviation Standard Practices (6 credit hours)

**Senior Fall Semester-** AMT 171- Avionics 1 (4 credit hours), AMT 115-Aircraft Weight & Balance (4 credit hours)

**Senior Spring Semester-** AMT 272 Avionics 2 (4 credit hours) MAT 122-Aviation Math (3 credit hours)

**Industry Certification:** FAA Remote Pilot Drone Certification, Avionics NCATT Aircraft Electrician Certification, and AMT Certification FAA General Airmen Knowledge Test

### **Building Maintenance**

This pathway is taught at Gateway Community & Technical College. This pathway prepares individuals to apply technical knowledge and skills in residential and structural building. Including instruction in technical mathematics, blueprint reading, construction techniques, air conditioning, heating, plumbing, electrical, and applicable codes and standards. Note: Students have the opportunity to graduate with an Associate's Degree (summer classes required to earn Associates). (Offered in conjunction with Gateway Technical and Community College).

**Student Financial Responsibility:** Cost of textbooks AND Cost of tuition not covered by KHEAA Work Ready Scholarships

#### **Junior Fall Semester**

ACR 100 & ACR 101-Refrigeration Fundamentals w/ Lab (5 cr hrs), EET 154 & EET 155 0 Electrical Construction w/ Lab (4 cr hrs)

ISX 1001-Safety & Universal Precaution (1 credit hours)

**Junior Spring Semester-** ACR 210- Ice Machines (3 credit hours), EET 110- Voice & Data Installed Level 1 (4 credit hours), ELT 290-Special Topics in Engineering (3 credit hours), MFG 175-Lean Operations (3 credit hours)

**Senior Fall Semester-** ACR 250 & ACR 251-Cooling & Dehumidification W/ Lab (5 cr hrs), ARC 270 & ACR 271- Heat Pump Application w/ Lab (5 cr hrs)

**Senior Spring Semester -** ACR 130 & ACR 131- Electrical Components w/ Lab (5 credit hours), ACR 260 & ACR 261- Heating & Humidification w Lab (5 credit hours)

**Industry Certification:** OSHA 10 Certification and Fiber Optic Associate Certification

### **LineWorker Program**

This is an evening program offered through Gateway that is open to seniors. Upon completion of the program, students will have an understanding of the skills, knowledge, safe work practices and physical ability required to become a line technician. Apprentice.

**This is a 16 week (one semester) full-time Night School Program**

**Student Financial Responsibility: Cost of textbooks AND Cost of tuition not covered by KHEAA Work Ready Scholarships**

APT 258 & APT 259- Lineman Technology w/ Lab (7 credit hours)  
EES 101- Basic Electronics (2 credit hours)  
EET 150 & EET 151- Transformers w/ Lab (3 credit hours)  
EGY 170- Energy Utilities Technologies (4 credit hours)

**Industry Certification:** Utility Lineworker Certification

### **Junior ROTC**

(Program offered in conjunction with Scott High School)

This is a full day military program conducted at Scott High School. Students will attend Scott High School for the full day, taking ROTC classes and academic coursework needed for graduation.

### **Young Scholars Academy**

The Young Scholars Academy is a highly selective partnership between the KCSD and Northern Kentucky University. A limited number of scholars are selected to take a full-time college course load on NKU's campus for their final two years of high school at an extremely discounted rate! Scholars have the opportunity to earn 60 hours of college credit and/or an associate's degree while working with a small cohort of motivated, like-minded scholars working toward degrees with a focus in STEM, integrated studies, supply chain, and computer science. Students must have a 3.0 unweighted GPA, meet CERT benchmark, and be college ready in math via the KYOTE exam or the ACT. Applications for this program were due November 3, 2023.

### **Ignite Institute**

Kenton County is happy to be partnering with Boone County again this year at the Ignite Institute. Ignite is a joint venture where our 5K students attend a different building to complete CTE pathways during high school.

Dixie Heights students who attend Ignite will fulfill their graduation requirements based on the curriculum at Ignite, and Ignite graduation requirements will also be accepted as Dixie Heights graduation requirements for those students.

Ignite Curriculum Guide:

[https://drive.google.com/file/d/15RZE6s\\_j9JzeB9MGK4fx\\_mzOxZ3102UW/view](https://drive.google.com/file/d/15RZE6s_j9JzeB9MGK4fx_mzOxZ3102UW/view)

For general questions about Ignite, contact [brian.noll@kenton.kyschools.us](mailto:brian.noll@kenton.kyschools.us)



**Students will have 5 days from the beginning of the program to request a schedule change to return to Dixie Heights High School.**

## Graduation Requirements for the Students Enrolled in JROTC

**Students attending the JROTC program will meet the following graduation requirements. Upon completion of these courses, students will earn a Dixie Heights High School Regular Studies Diploma. Students will also receive Summa Cum Laude, Magna Cum Laude, and Cum Laude recognition if specific graduation requirements are met.**

<b>English</b>	4 credits (English 1,2,3,4, or equivalents)
<b>Mathematics</b>	4 credits (Algebra 1, Geometry, Algebra 2, plus one additional Math course)
<b>Science</b>	3 Credits (Integrated Science, Biology or equivalents, and an additional credit(s) of Science as needed. Chemistry may be substituted for students who successfully completed Algebra 1 in middle school.
<b>Social Studies</b>	3 Credits (Integrated Social Studies, World Civilization, U.S. History, or equivalents)
<b>Health / Physical Education</b>	1 Credit ( $\frac{1}{2}$ Health and $\frac{1}{2}$ Physical Education)
<b>Humanities</b>	1 Credit (Any Art, Choir, Music, or Drama class)
<b>Electives</b>	12 Credits
<b>Total Credits</b>	28 credits needed for graduation



## DUAL CREDIT OPPORTUNITIES

At Dixie Heights, we have created several opportunities for our students to earn college credit while still in high school. Qualified students may pursue *on-campus* opportunities through courses taught at Dixie Heights during the school day by college-approved instructors. Qualified students may also pursue *off-campus* opportunities, opting to take classes on a local college campus such as Northern Kentucky University, Gateway Community and Technical College, and Thomas More College, or supplementing their high school courses by taking an on-line course offered by a few colleges and universities. Please see your school counselor for more information.

Students have the option to take college classes for *dual credit*, which means receiving high school credit and college credit for the same course, or for *early college credit*, which means the student takes these courses outside of the school day with grades reflected only on the student's college transcript.

Students in these classes are challenged to be more responsible for their learning. These courses require college tuition payment (though usually at a greatly reduced rate) or a fee for on-line courses. Students must budget time, provide transportation (when necessary) and provide their own resources for participation in these courses. Committed students can enrich their high school education as well as get a head start on college through some of these opportunities. Students receive 1 ½ high school credit for a 3 college credit hour course.

**In order to take dual credit courses, students must complete the dual credit application and receive acceptance from the college/university.**

All college campus or online dual credit courses must be pre-approved by the Principal prior to the start of the college course in order for the course to count towards high school credit. Please see your counselor for more information.

The Kentucky Department of Education has created scholarships for juniors and seniors (for up to two classes). Certain restrictions apply. This program is dependent based on available funding. To receive the scholarships, students must request the award through their KHEAA account. Please contact Mrs. Rohan for additional information.

The estimated cost is \$97 per credit hour (\$291 for 3 credit hours). The fee is paid directly to the college or university.



### Dixie Based NKU Classes

#### Fall

NKU ART 100 (Online)  
 NKU PSC 201 (Online)  
 NKU PSY 100 (Online)  
 NKU ENG 101 (in person @ Dixie)  
 NKU FLC 101 (in person @ Dixie) \*

#### Spring

NKU POP 205 (Online)  
 NKU JUS 231 (Online) \*  
 NKU CMST 101 (Online)  
 NKU ENG 102 (in person @ Dixie)  
 NKU FLC 101 (in person @ Dixie) \*  
 NKU BUS 101 (in person @ Dixie) \*  
 TMU ENG 250 (in person @ Dixie)



### Dual Credit Online Thomas More Classes

#### Fall

TMU Art 125  
TMU BUA 105  
TMU COM 105  
TMU CRJ 101  
TMU ELS 115  
TMU LAW 105  
TMU MAT 205  
TMU PSY 105  
TMU SPA 201

#### Spring

TMU CRJ 255  
TMU HIS 115  
TMU LAW 155  
TMU MIS 113  
TMU MUS 260  
TMU PSY 105  
TMU SOC 105  
TMU SPA 202

\* Denotes Work Ready Scholarship Eligible Class

### Dual Credit Courses

#### ART 100- Art Appreciation

Dixie Credit: 1.5 College Credit: 3

Graduation Category: Arts/Humanities

College/ University: NKU

Foundation of Knowledge Category: Culture & Creativity

Examination of the fundamental elements of fine art to increase one's artistic awareness: emphasis placed on developing skills in viewing, interpreting and understanding the use of art in cultural, historical and contemporary contexts. Includes hands-on studio component. For students not majoring in visual arts.

#### BUA 105 Intro to Business

Dixie Credit: 1.5 College Credit: 3

Graduation Category: Business/ CTE

College/ University: Thomas More

Introduction to the structure, functioning and role of the business and economic systems.

#### COM 105-Fundamentals of Public Speaking

Dixie Credit: 1.5 College Credit: 3

Graduation Category: Elective

College/ University: Thomas More

An introductory course in the fundamentals of public speaking

#### CRJ 101 Intro to Criminal Justice

Dixie Credit: 1.5 College Credit: 3

Graduation Category: Elective

College/ University: Thomas More

An introduction to the philosophical and historical background and development of the criminal justice system. Review of criminal justice functions, processes and procedures, and an examination of current trends and concepts are also explored. A grade of C or higher in this course is required for all higher-level Criminal Justice courses.

#### CRJ 255 Criminology

Dixie Credit: 1.5 College Credit: 3

Graduation Category: Elective

College/ University: Thomas More

Criminology examines crime and the criminal in society. The nature of crime and criminal law, theories of crime and crime causation, and methods of treatment and prevention are also addressed

#### CMST 101- Public Speaking

Dixie Credit: 1.5 College Credit: 3

Graduation Category: Elective

College/ University: NKU

Foundation of Knowledge Category: Oral Communication

Development of understanding of the oral communication process; aid in improving oral communication skills; idea and message development; effective delivery of ideas; Offered every semester. A prerequisite to all other CMST courses.

#### ELS 115-Introduction to Ethical Leadership

Dixie Credit: 1.5 College Credit: 3

Graduation Category: Elective

College/ University: Thomas More

This course introduces the core elements that comprise leadership, the internal workings of the organization from a leadership perspective, and in-depth review of the major concepts, elements, and terminology of leadership. Students will engage in discussions and review of current literature leading to leadership and ethical behavior

**ENG 101- College Writing**

Dixie Credit: 1.5 College Credit: 3

Prerequisite(s): Score of 18 on ACT English and 20 on ACR Reading

Graduation Category: English

Foundation of Knowledge Category: Written Communication I

College/ University: NKU

Study and practice of writing with attention to audience, purpose, and conventions appropriate to writing situation; reading, writing, and analyzing a variety of texts, including written, digital, or visual.

**ENG 102- Advanced College Writing**

Dixie Credit: 1.5 College Credit: 3

Prerequisite(s): ENG 101 or score of 3 on AP Lang Exam

Graduation Category: English

Foundation of Knowledge Category: Written Communication II

College/ University: NKU

Study and practice of writing in a variety of expository forms, with attention to audience, purpose, and conventions appropriate to writing situation; emphasis on research-based writing and persuasive strategies.

**ENG 250- Special Topics in Literature**

Dixie Credit: 1.5 College Credit: 3

This course will focus on themes of oppression and persecution in a variety of genres, including drama/film, poetry, short story, memoir, and the novel. We will explore writings that cover a variety of time periods, circumstances, and perspectives-- all telling the stories of marginalized and persecuted individuals. Some topics include, but are not limited to, the Holocaust, immigration, Civil Rights Era, and stereotypes (gender, ethnic, etc.).

Graduation Category: English

College/ University: Thomas More

**FLC 101- Pathways to Financial Success**

Dixie Credit: 1.5 College Credit: 3

Graduation Category: Math

Foundation of Knowledge Category: Individual &amp; Society

College/ University: NKU

Knowledge and skills to make sound personal financial decisions that promote financial success during college and beyond. Emphasis on decisions related to navigating college costs; earning, spending; saving; borrowing; and protecting. **This course counts towards Dixie's math requirement. It DOES NOT count for a college math course.**

**HIS-115 United States History II (After 1877)**

Dixie Credit: 1.5 College Credit: 3

Graduation Category: History

College/ University: Thomas More

An introductory survey of United States history after 1877.

**JUS 231 Race, Gender, & Crime**

Dixie Credit: 1.5 College Credit: 3

Graduation Category: Electives

Foundation of Knowledge Category: Global Viewpoints

College/ University: NKU

Political formulation of race and gender; race and gender issues related to criminality, victimization, prosecution; adjudication, sanctions, and employment within the legal system; antecedents of contemporary practice; prospects for change.

**MAT 205 Introductory Statistics**

Dixie Credit: 1.5 College Credit: 3

Graduation Category: Math

College/ University: Thomas More

**Prerequisite: 18 on ACT Math-** An investigation of graphic methods, frequency distributions, percentiles, central tendency, variability, standard scores, normal and binomial distributions, hypothesis testing, and correlation.

**MIS 113-Computer Applications and Hardware**

Dixie Credit: 1.5 College Credit: 3

Graduation Category: Elective

College/ University: Thomas More

This course examines the historical origins and development of the American idea of freedom.

**MUS 260 Music In World Cultures**

Dixie Credit: 1.5 College Credit: 3

Graduation Category: Elective

College/ University: Thomas More

An introduction to the music of non-western countries. Content emphasizes diversity and uniqueness by exploring the music of India, Japan, Sub-Saharan Africa, Native America, Indonesia, Latin America, the Middle East, and others.

**POP 205 Intro to Popular Culture**  
Dixie Credit: 1.5 College Credit: 3

Graduation Category: Arts/Humanities College/ University: NKU  
Foundation of Knowledge Category: Culture & Creativity

Major areas of popular culture studies: values and attitudes expressed in and passed on by activities, objects, and entertainment forms of popular culture.

**PSC 201 Human Rights & Freedoms**  
Dixie Credit: 1.5 College Credit: 3

Graduation Category: Elective College/ University: NKU  
Foundation of Knowledge Category: Cultural Pluralism

What are human rights? Who decides? What factors influence how this concept is defined? Under what conditions are humans' rights established, protected, and violated? Can we ignore cultural differences in the pursuit of national and universal human rights? These sorts of questions complicate the study of political rights.

**PSY 100- Intro to Psychology**  
Dixie Credit: 1.5 College Credit: 3

Graduation Category: Elective College/ University: NKU  
Foundation of Knowledge Category: Individual & Society

Systematic and scientific study of behavior from biological, behavioral, and cognitive perspectives; methods, history, biopsychology, perception, learning, development, cognition, personality, mental disorders, therapy, and social psychology.

**PSY 105 General Psychology**  
Dixie Credit: 1.5 College Credit: 3

Graduation Category: Elective College/ University: Thomas More

An introduction to the field of Psychology and to the methods of study used by psychologists. Emphasis is placed on a scientific approach to understanding human behavior. Topics covered include the biological basis of behavior, sensation, perception, learning, memory, personality, abnormal behavior, and social behavior. PSY 105 is a prerequisite for all other Psychology courses. This course fulfills a core requirement in the social science category.

**SOC 105 Principles of Sociology**  
Dixie Credit: 1.5 College Credit: 3

Graduation Category: Elective College/ University: Thomas More

A course intended to foster the student's "sociological imagination", provide the student with exposure to the basics of the academic discipline and emphasize examination of: 1) the "ultimate meaning of life" through analysis and evaluation of the social construction of reality, socialization processes, and institutions, cultural (including value, linguistic, belief, and normative systems), and structural processes/components which provide the "meat and bones" of social life; 2) "one's place in the world" through the analysis and evaluation of cultural relativism, ethnocentrism, multiculturalism, population demographics, and various other social problems; and 3) "one's social and ethical" responsibility to others through the analysis and evaluation of stratification systems (particularly class, race, and gender), class, racial, ethnic, and gender relations, the role of social movement and activism in fostering social awareness and change, and the relationship of critical sociology to theological and philosophical systems of thought. Considerations of the position of sociology as an empirical science, its historical underpinning, its methodology, and other major components are also made.

**SPA 201-Spanish Level II Part 1 (equivalent to year 3 of Spanish)** Graduation Category: Elective College/ University: TMU  
Dixie Credit: 1.5 College Credit: 3 **Prerequisite: SPA 101/102 or the equivalent (year 3 of high school Spanish)**

A review of grammar, conversation and reading. Students will expand language skills acquired in SPA 101, 102. Increased attention will be given to understanding culture through authentic activities. Typically, students with three years of high school Spanish are placed in 201.

**SPA 202-Spanish Level II Part 2 (equivalent to year 4 of Spanish)** Graduation Category: Elective College/ University: TMU  
Dixie Credit: 1.5 College Credit: 3 **Prerequisite: SPA 101/102 or the equivalent (year 4 of high school Spanish)**

A review of grammar, conversation and reading. Students will expand language skills acquired in SPA 101, 102, and 201. Increased attention will be given to understanding culture through authentic activities

# Steps to Achieving Your NCAA Eligibility

## Grade 9

- Start planning now: take the right courses and earn the best grades possible.
- Ask your counselor for a list of your high school's NCAA-approved core courses to make sure you take the right classes to **graduate on time**.
- Find your high school's list of NCAA-approved courses at [NCAA.org/courselist](http://NCAA.org/courselist).

## Grade 10

- Register with the NCAA Eligibility Center at [eligibilitycenter.org](http://eligibilitycenter.org).
- If you fall behind, ask your counselor for help with finding approved courses you can take.

## Grade 11

- Check with your counselor to make sure you are on track to complete the required number of NCAA-approved courses.
- Take the ACT or SAT and submit your scores to the NCAA Eligibility Center using code 9999.
- At the end of the year, request that your official transcript be sent to the NCAA Eligibility Center through your Parchment account. **If you took classes at more than one high school or program, submit an official transcript for each school.**
- Make sure you are on track to graduate on time with your class.

## Grade 12

- Complete your final NCAA core courses as you prepare for graduation.
- Take the ACT or SAT again, if necessary, and submit your scores to the NCAA Eligibility Center using code 9999.
- Request your final amateurism certification beginning April 1 (fall enrollees) or Oct. 1 (spring enrollees) in your NCAA Eligibility Center account at [eligibilitycenter.org](http://eligibilitycenter.org).
- After you graduate, request that your official transcript be sent to the NCAA Eligibility Center **through your Parchment account**.
- Only students on an NCAA Division I or II school's certification request list will receive a certification.

## **DIVISION I ACADEMIC REQUIREMENTS**

College-bound student-athletes will need to meet the following academic requirements to practice, receive athletic scholarships, and/or compete during their first year. To be a "full qualifier" students must:

- 1) Complete 16 core courses:  
English – 4 years  
Math (Alg 1 or higher) – 3 years  
Natural/Physical Science (w/lab) – 2 years  
Additional English/Math or Science – 1 year  
Social Science – 2 years  
Additional Core or Foreign Lang/Philosophy – 4 years  
(7 of 10 cores must be in English, Math or Science)
- 2) Earn a core course GPA of at least 2.300
- 3) Earn a qualifying ACT/SAT score
- 4) Graduate high school

## **DIVISION II ACADEMIC REQUIREMENTS**

College-bound student-athletes will need to meet the following academic requirements to practice, receive athletic scholarships, and/or compete during their first year. To be a "full qualifier" students must:

- 1) Complete 16 core courses:  
English – 3 years  
Math (Alg 1 or higher) – 2 years  
Natural/Physical Science (w/lab) – 2 years  
Additional English/Math or Science – 3 years  
Social Science – 2 years  
Additional Core or Foreign Lang/Philosophy – 4 years
- 2) Earn a core course GPA of at least 2.200
- 3) Earn a qualifying ACT/SAT score
- 4) Graduate high school

Visit [www.eligibilitycenter.org](http://www.eligibilitycenter.org) for more information.

# Dixie Heights High School's List of Approved NCAA Courses

## English Courses

English 1 or English 1 Acc or English 1 Adv  
English 2 or English 2 Acc or English 2 Adv  
English 3  
English 4  
AP English Lang & Comp  
AP English Lit & Comp  
Argumentation & Debate  
Creative Writing 1 & 2 (max 1 credit)  
Honors Research  
Multicultural Literature  
Speech or NKU Public Speaking (max 1 credit)  
TMC English 101  
TMC English 102

## Mathematics Courses

Algebra 1 (max 1 credit) or Algebra 1 Basic  
Geometry or Geometry Acc or Geometry Basic  
Algebra 2 or Algebra 2 Acc or Basic Algebra 2  
Pre-Calculus or Pre-Calculus Honors  
Intro to Calculus Honors  
Finite Math  
Probability and Statistics  
AP Calculus AB  
AP Calculus BC  
AP Statistics (thru Dixie)  
NKU Finite Mathematics  
TMC College Algebra

## Additional Courses

Spanish 1  
Spanish 2  
Spanish 3 Honors  
AP Spanish  
German 1  
German 2  
German 3 Honors  
AP German

## Social Studies

Integrated Soc Studies or Int. Soc Studies Acc  
World Civilization or AP European History  
US History or AP US History  
AP American Government  
Abnormal Psychology  
Contemporary American History  
Criminal Justice  
Economics  
Military History  
Political Science  
Psychology  
Sociology  
NKU American Politics  
NKU Intro to Criminal Justice  
NKU Intro to Philosophy, Individuals & Society  
NKU Intro to Psychology or TMC Psychology  
NKU Sociology or TMC Sociology  
TMC History 101  
TMC History 102

## Science Courses

Integ Science A&B or Integ Science Acc A&B  
Biology A & B or Biology Acc A & B  
Anatomy & Physiology A & B  
Chemistry A & B  
Environmental Science  
Forensics  
Geology  
Oceanography  
Physics A & B or Physics Honors  
AP Biology  
AP Chemistry  
NKU This Dangerous Earth

**\*\*\*Important Information for Student Athletes!** Parents and Students, The Kenton County School District, including our high schools, and some of our district-wide programs use Edgenuity curriculum for some online courses. Edgenuity courses and curriculum are developed by highly qualified teachers. Edgenuity courses allow us as a district to personalize student Individual Learning Plans based on student needs. However, a highly qualified teacher that is certified in that content area must work closely with the student during at least 50% of the course or more for that course to be approved by the NCAA. If a student plans to play Division I or Division II sports in college, the student's transcript must reflect 16 credits of core academic courses approved by the NCAA. If you are a student athlete, please consult with your school counselor in planning your coursework each year in your Individual Learning Plan, especially if you are considering doing any online coursework. Each year, a counselor at your high school submits courses taught requesting approval for these courses from the NCAA. Your school counselor will know what courses are approved at your school.

If you transferred to Dixie Heights from another high school, you will also have to review THAT high school's list of approved courses to determine what classes on your transcript from there will count for NCAA eligi

# Dixie Heights High School

## Course Descriptions

### Dixie Schedule Change Policy

- All student placements will be determined based on course availability.
- Schedule changes will only be considered within the first 5 days of a class and will **ONLY** be made for the following reasons:
  - You are missing a graduation requirement.
  - You are not scheduled into a class during one of your 5 bells.
  - You are scheduled into a class you already received credit for.
  - A scheduling error was made by the school.
- Schedules will not be changed for the following reasons which include but are not limited to:
  - Requesting a specific teacher.
  - Requesting to be a class with a friend.
  - Requesting a specific lunch.
  - No longer being interested in a class you registered for.
- Students need to complete a Course Placement Change Request Form to request a change in a course that has been pre-loaded into his/her schedule in Infinite Campus.
- Students are expected to have completed the course *Prerequisite(s)* in order to be eligible to take a course. Students who do not meet the Prerequisite(s) or receive a Teacher Recommendation, need Administrator Approval in order to take the course and need to complete a Course Placement Change Request Form.

### English

#### **AP English Language & Composition Parts A, B & C**

Graduation Category: English

Grade Level: 11-12

Credit: ½ each

*Recommended Prerequisite: based on teacher recommendation, CERT score used as guideline ( > 23 )*

*10th Grade: teacher recommendation based on writing samples, AND CERT Reading > 29 AND "A" average in English 1 Advanced.*

Fee: \$100 (estimated AP exam fee)

This year-long course engages students in becoming skilled readers of nonfiction in a variety of periods, disciplines, and rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. This class culminates with the AP Language Exam in May for possible college credit. Students enrolled in this course must assume considerable responsibility for the amount of reading and writing required. Students who do not receive teacher recommendation may submit a Course Placement Change Request which can be found online or in the Guidance Office.

#### **AP English Literature & Composition – Parts A, B & C**

Graduation Category: English

Grade Level: 11-12

Credit: ½ each

*Recommended Prerequisite: based on teacher recommendation, CERT score used as guideline ( > 23 )*

Fee: \$100 (estimated AP exam fee)

This year-long AP course in English Literature and Composition engages students in the careful reading and critical analysis of literature. The emphasis will be on the writing process as a means of assessing reading comprehension and writing abilities. The use of material from various genres will necessitate a variety of writing and speaking activities that should enhance students' awareness of the resources of language. Students enrolled in this course must assume considerable responsibility for the amount of reading and writing required. Students who do not receive teacher recommendation may submit a Course Placement Change Request which can be found online or in the Guidance Office.

#### **Argumentation and Debate**

Graduation Category: Elective

Grade Level: 11-12

Credit: ½

Debate is an elective course designed to provide a means for students to argue in support of a position in a formal atmosphere. Basic terminology will provide the background for the course. Activities will include researching and writing briefs that support a position and then presenting arguments orally in formal debate. Controversial questions that allow two or more conclusions or positions will lend themselves to the debate

format. Activities will test the students' understanding of the technical aspects of supporting a position through interpretation, analysis, and evaluation of arguments. This course is designed to help students prepare for the oral expression necessary in the business world.

**Broadcast Journalism A, B, & C**

Graduation Category: Elective

Grade Level: 11-12

Credit: ½ Each

This course is a professionally-oriented media course intended for students wanting to continue their learning within the Broadcast Journalism program. On-the-air experience, including announcing skills and production techniques, and after-school reporting assignments will be expected of students, as well as leadership with other Broadcast Journalism students. Evaluation is based on daily oral/written assignments, quality of story segments, and attention to process and deadlines. Students are able to take the course one trimester, two trimesters, or all three trimesters.

**College Career Readiness English**

Graduation Category: Elective

Grade Level: 11-12 Credit: ½

(Students are placed in this class based on English ACT score and teacher recommendation)

This trimester long course is designed to review the English and Reading ACT skills. A curriculum that is aligned with both ACT and KYOTE is utilized to help raise student's English and/or Reading benchmark scores. The course culminates with the KYOTE Reading and Writing Exams at the end of the trimester. Students will earn ½ of their senior English credit if they pass the KYOTE Exam at the end of the trimester.

**Creative Writing**

Graduation Category: Elective

Grade Level: 11-12

Credit: ½

Students will work individually to create original creative and expressive written pieces for publication. This class pushes all levels of writers to produce work in an encouraging and accepting work environment. Assignments lead toward pieces that may be entered into the Scholastic Writing Competition.

**English 1 A, B, & C**

Graduation Category: English

Grade Level: 9

Credit: ½ each

In English 1, the focus will be on extensive reading and writing. The use of reading strategies to improve fluency will be incorporated into daily lessons. Lessons will centralize college and career readiness. The readings in this course range from excerpts from canonical pieces, to modern analytical essays, to informational texts, to classic novels. The course will talk about what it means to read something thoroughly and closely. The emphasis in writing will be for students to learn to develop ideas and communicate these ideas effectively in work that is focused, organized, purposeful, and rich in content.

**English 1 A, B, & C Advanced**

Graduation Category: English

Grade Level: 9

Credit: ½ each

*Recommended Prerequisite: based on teacher recommendation, MAP score used as guideline (MAP Reading score > 75th %tile)*

In Advanced English 1, the focus will be on extensive reading and writing. The use of reading strategies to improve fluency will be incorporated into daily lessons. Lessons will centralize college and career readiness. The readings in this course range from excerpts from canonical pieces, to modern analytical essays, to informational texts, to classic novels. The course will talk about what it means to read something thoroughly and closely. The emphasis in writing will be for students to learn to develop ideas and communicate these ideas effectively in work that is focused, organized, purposeful, and rich in content. Writing prompts will be structured from released AP prompts, and essays will be graded using AP and KSA style rubrics. This course does not receive a weighted GPA.

**English 2 A, B, & C**

Graduation Category: English

Grade Level: 10

Credit: ½ each

English 2 explores the English language through paired readings, visual aids, and connected writing assignments. Students will focus on the skills needed to succeed on KSA and ACT tests.

**English 2 A, B, & C Advanced**

Graduation Category: English

Grade Level: 10

Credit: ½ each

*Recommended Prerequisite: based on teacher recommendation, CERT score used as guideline (> 21)*

Advanced English 2 explores the English language through paired readings, visual aids, and connected writing assignments. Students will focus on KSA and ACT skills. Students will be challenged with enrichment activities and work to begin their path towards AP English Language and Composition and/or AP English Literature and Composition. This course does not receive a weighted GPA.

**English 3 A, B, & C**

Graduation Category: English

Grade Level: 11

Credit: ½ each

English 3 explores the English language through paired readings, visual aids, and connected writing assignments. Teachers will prepare students for the ACT and On Demand state assessments.

**English 4 A & B**

Graduation Category: English

Grade Level: 12

Credit: ½ each

English 4 explores the English language through paired readings, visual aids, and connected writing assignments. English 4A seeks to prepare students for upcoming college entrance with texts appropriate to senior grade level. English 4B seeks to prepare students for upcoming career entrance with texts appropriate to senior grade level.

**English Intensive 1 & 2 A, B, & C**

Graduation Category: English

Grade Level: 9-10

Credit ½ each

*Recommended Prerequisite: based on teacher recommendation, 9th Grade: MAP Reading score < 39th %tile  
10th Grade: CERT Reading score used as guideline (< 15 AND < 1000 Lexile score)*

This course is designed for struggling readers who are reading 2 or more years below grade level. Utilizing the READ 180 curriculum, the course will focus on reading fluency and reading comprehension skills. Students will learn the skills necessary to perform well on KSA and ACT Tests.

**Literary Topics: Short Stories**

Graduation Category: Elective

Grade Level: 9-12

Credit: ½

This course is designed to examine the characteristics and elements of the short story genre. Students enrolled in this course can expect to read works from a variety of authors, time periods, and subject matters. When reading these texts, the students will be analyzing the literary techniques that an author uses to reveal his/her tone, theme, and purpose. For certain texts, students will be asked to compare/contrast the elements of the short story text in relations to the film version, analyzing the stylistic and impacts of each medium.

**Literature and Film**

Graduation Category: Elective

Grade Level: 11-12

Credit: ½

Literature and Film is designed to expand the concepts of literary analysis into the genre of film. Students combine the basic knowledge they received in Arts & Humanities classes with what they have learned about literary analysis in their English classes in order to deepen their understanding of analysis and its applications. They will hone their skills in both critical analysis and cross-curricular synthesis through independent reading and extensive analytical writing projects.

**Multicultural Literature**

Graduation Category: Elective

Grade Level: 9-12

Credit: ½

This course will analyze literature written by minorities and women. It will explore how the themes of the novels reflect current society. Students will discover how the themes tie into the author's perspective. Throughout the course, we will continue to combine the themes from multiple novels and genres and develop an overall understanding of the issues that both minorities and women face in terms of equality, gender issues, and injustices. This class will focus on ACT Reading skills.

**Public Speaking**

Graduation Category: Elective

Grade Level: 11-12

Credit ½

Students will present speeches on numerous topics. During this trimester course, students will be given tools to implement in presentations focusing on specific topics.

**True Crime Nonfiction**

Graduation Category: Elective

Grade Level: 11-12

Credit ½

This elective will focus on nonfictional/information texts, both print and non-print (essays, articles, nonfiction novels, documentaries). Students will use the texts to do a survey of true crime and the psychological/psychiatric aspects as they relate to the genre.

**Yearbook A, B & C**

Graduation Category: Elective

Grade Level: 10 –12

Credit: ½ each

Prerequisite: Application Required

Students will be given a true school-to-work experience in the production of the school yearbook. They will be taught layout design and how to produce the yearbook using desktop publishing software. Students will gain experience using a digital camera, uploading and organizing pictures, and editing photos. Journalistic writing will be emphasized as well as advertising, promotion and delivery of the book. Students will be responsible for submitting completed layouts at assigned deadlines in order to publish the yearbook in a timely fashion. As part of the class, attending various after school photo opportunities is required.

**Young Adult Literature**

Graduation Category: Elective

Grade Level: 9-12

Credit ½

This course will focus on reading a variety of high-interest fiction and non-fiction works. Students will also complete an independent reading project and compare literary and film versions of texts.



<b>MATHEMATICS</b>
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**Algebra 1 A, B, & C**

Graduation Category: Mathematics

Grade Level: 9

Credit: ½ each

This course is designed to develop basic algebra skills. Algebra 1A will focus on the various numbers and their operations, and solving equations as well as inequalities, basic graphing skills, and use of formulas. Algebra 1A prepares the student to solve real world problems and applications using various techniques. Algebra 1B topics include graphing equations of lines using slopes, exponents and polynomial. Students will also engage in more complex equation solving. Use of a graphing calculator will be introduced. Algebra 1C topics include quadratic equations, square roots, linear systems, exponential equations, and factoring.

**Algebra 2 A, B, & C**

Graduation Category: Mathematics

Grade Level: 11-12

Credit: ½ each

*Required Prerequisite: Algebra 1*

Algebra 2 introduces the student to more complex concepts from Algebra 1. Students will learn to solve one-variable and two-variable equations and inequalities, matrix operations, absolute value functions, function composition and quadratic functions. Students will use graphing calculators to compute more complex solutions. The students will be introduced to the advanced algebraic concepts as they apply to real world circumstances as well as future math related courses with a special focus on polynomial operations, arithmetic and geometric sequences and series, radical and rational expressions, exponential and logarithmic functions, mathematical patterns and probability. Algebra 2 prepares the student to solve real-life situations. This course covers content from the ACT.

**Algebra 2 Accelerated A, B, & C**

Graduation Category: Mathematics

Grade Level: 9-11

Credit: ½ each

*Recommended Prerequisite: Accelerated Geometry and based on teacher recommendation, CERT score used as guideline; (9<sup>th</sup> graders may take Algebra 2 Acc concurrently with Geometry Acc. This requires a MAP Math score  $\geq$  95<sup>th</sup> %tile.)*

This course is designed to provide students with advanced placement algebraic concepts, skills, and applications. Students will learn to solve one-variable and two-variable equations and inequalities, matrix operations, absolute value functions, function composition and quadratic functions. Students will use graphing calculators to compute more complex solutions. Students will also be introduced to the advanced algebraic concepts as they apply to real world circumstances as well as future math related courses with a special focus on polynomial operations, arithmetic and geometric sequences and series, radical and rational expressions, exponential and logarithmic functions, mathematical patterns and probability. This class is tailored to the advanced math student who is considering taking Calculus in high school.

**AP Calculus AB-A, B & C**

Graduation Category: Mathematics

Grade Level: 11-12

Credit: ½ each

*Required Prerequisite: Pre-Calculus Honors*

Fee: \$100 (estimated AP exam fee)

This course is intended for the student who has a thorough knowledge of college preparatory mathematics, including: Algebra, axiomatic geometry, trigonometry, and analytic geometry. This class covers chapters 1-6 of the AP Calculus book (for sections A, B, and C). Part A topics include functions, limits, derivatives, and applications of derivatives. Part B topics include integration, applications of integrals, exponential and transcendental functions, volume of solids by disk method and shell method, and L'Hopital's rule. Part C continues the study of the above topics. *Upon completion of this course and passing of the AP exam, students can receive up to 5 college credit hours depending upon university regulations and the score they receive.*

**AP Calculus BC-A, B & C**

Graduation Category: Mathematics

Grade Level: 11-12

Credit: ½ each

*Required Prerequisite: Introduction to Calculus Honors*

Fee: \$100 (estimated AP exam fee)

NOTE: This class may not be taken if the student has taken AP Calculus AB

This course is designed for the advanced mathematics student who is interested in a career in, math, science, engineering, computer programming, or medicine. This class covers chapters 3-9 of the AP Calculus book (for sections A, B, and C). Topics in Part A include applications of derivatives, integration, and volume of solids. Part B topics include L'Hopital's rule, improper integrals, infinite series, parametric, and polar coordinates. Part C is a continuation of AP Calculus BC-B. *Upon completion of this course and passing this AP exam, students can receive up to 10 college credit hours depending upon university regulations and the score they receive.*

*\*\*Students may take either AP Calculus AB or AP Calculus BC but not both.*

**AP Computer Science Principles A & B**

Graduation Category: Mathematics

Grade Level: 11-12

Credit: ½ each

Fee: \$100 (estimated AP exam fee)

AP Computer Science Principles introduces students to the breadth of the field of computer science. In this course, students will learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They will incorporate

abstraction into programs and use data to discover new knowledge. Students will also explain how computing innovations and computing systems, including the Internet, work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical

**AP Statistics A, B & C**

Graduation Category: Mathematics

Grade Level: 11-12

Credit: ½ each

*Required Prerequisite: Algebra 2 and teacher recommendation*

Fee: \$100 (estimated AP exam fee)

The purpose this course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Topics include: exploring data, sampling and experimentation, planning and conducting a study, anticipating patterns, exploring random phenomena using probability and simulation, and statistical inference. *Upon completion of this course and passing this AP exam, students can receive college credit hours depending upon university regulations and the score they receive. This course will only be offered each year if there is enough student interest in taking the course.*

**College Career Readiness Math 9**

Graduation Category: Mathematics

Grade Level: 9

Credit: ½

*Recommended Prerequisite: CERT = 14-16 OR 15-18 on ACT Math.*

Students will be placed into this course based upon the CERT scores, math class scores, and teacher recommendations. This course is designed to improve foundational skills that the students are lacking in order to be able to achieve success in the high school mathematics curriculum. Topics covered will include ratios, coordinate plane, expressions and equations, percents, fraction and decimal operations, proportional reasoning, PEMDAS, GCF and LCM, and the number line.

**College Career Readiness Math 10**

Graduation Category: Mathematics

Grade Level: 10

Credit: ½

*Recommended Prerequisite: CERT = 14-16 OR 15-18 on ACT Math.*

Students will be placed into this course based upon the CERT scores, math class scores, and teacher recommendations. This course is designed to improve foundational skills that the students are lacking in order to be able to achieve success in the high school mathematics curriculum. Topics covered will include scaling, rational number conversions and operations, proportional representations, percents, algebraic expressions, circles, ratios, unit rates, signed numbers, solving equations, inequalities, and angle and segment relationships.

**College Career Readiness Math 11**

Graduation Category: Mathematics

Grade Level: 11

Credit: ½

*Recommended Prerequisite: CERT Score 14-17 OR 15-18 on ACT Math.*

Students will be placed into this course based upon the CERT scores, math class scores, and teacher recommendations. This course is designed to improve foundational skills that the students are lacking in order to be able to achieve success in the high school mathematics curriculum. Topics covered will include rational numbers, exponents and scientific notation, dilations, angle relationships, Pre-Algebra concepts, rigid motions, congruence and similarities, solving equations and inequalities, linear relationships, systems of equations, and the Pythagorean theorem.

**College Career Readiness Math 12**

Graduation Category: Mathematics

Grade Level: 12

Credit: ½

*Recommended Prerequisite: CERT Score 16-18 OR 15-18 on ACT Math. (ACT Score supersedes CERT results)*

This course is designed for students who are intending on furthering their education in college but have yet to reach a score of 19 on the ACT in mathematics. The students will have an opportunity to take the KYOTE College Readiness Placement test at the end of the course in order to be able to try to test out of remedial mathematics in college in the state of Kentucky and become college ready. Topics covered will include numerical and algebraic expressions, arithmetic calculations, simple coordinate and plane geometry problems, operations on polynomials, rational expressions, linear equations and inequalities, linear and quadratic graphs, factoring, and systems of equations.

**Geometry A, B, & C**

Graduation Category: Mathematics

Grade Level: 10 – 11

Credit: ½ each

These courses emphasize the discovery, proof, and application of geometric principles and relationships. Geometry topics include points, lines, planes, angles, triangles, transformations, parallel and perpendicular lines, similarity and congruence, similar polygons, circles, area, surface area and volume, trigonometric formulas, and applications of geometric principles, relationships and formulas.

**Geometry Accelerated A, B, & C**

Graduation Category: Mathematics

Grade Level: 9-10

Credit: ½ each

*Recommended Prerequisite: 9<sup>th</sup> Grade: Successful completion of Algebra in 8<sup>th</sup> grade.*

*10<sup>th</sup> Grade-:Algebra 1; based on teacher recommendation, CERT score used as guideline*

Students will need to have taken Algebra of High School Credit while in 8th grade. Some 10th graders may be permitted to take this course based on teacher recommendation. These courses emphasize the discovery, proof, and application of geometric principles and relationships. Geometry topics include points, lines, planes, angles, triangles, transformations, parallel and perpendicular lines and proofs, similarity and congruence, similar

polygons, circles, area, surface area and volume, trigonometric formulas, and applications of geometric principles, relationships and formulas. Topics are the same as the topics in Geometry A, B, & C, but covered in more depth.

**Personal Finance A&B**

Graduation Category: Mathematics

Grade Level: 12

Credit: ½ each

The goal of the Personal Finance course is to help students to become financially responsible, conscientious members of society. To that end, this course develops student understanding and skills in such areas as money management, budgeting, financial goal attainment, the wise use of credit, insurance, investments, and consumer rights and responsibilities. Throughout the course, students also examine contemporary, real-world ethical dilemmas that individuals commonly encounter when managing their personal finances. **This class will be taught by the Business Department but will count as a math credit.**

**Pre-Calculus A & B**

Graduation Category: Mathematics

Grade Level: 12

Credit: ½ each

*Recommended Prerequisite: Algebra 2*

Pre-Calculus A is designed for the college bound student who has an interest in advanced math. This course introduces students to conic sections, functions, polynomial, rational, exponential, and logarithmic functions. Topics for Pre-Calculus B include trigonometric functions, and analytic trigonometry. This course is for students who already have achieved a benchmark score of 19 on the ACT.

**Pre-Calculus A & B Honors**

Graduation Category: Mathematics

Grade Level: 11

Credit: ½ each

*Recommended Prerequisite: B average or above in Accelerated Algebra 2B*

Pre-Calculus A Honors extends the student's knowledge of special functions, polynomial and rational functions, exponential and logarithms, and trigonometric functions. Pre-Calculus Honors prepares the student for Calculus. Pre-Calculus B Honors is a continuation of Pre-Calculus Honors A. Topics include establishing trigonometric identities, solving trigonometric functions, sequences, series, probability, conic sections, and limits.

**Probability & Statistics**

Graduation Category: Mathematics

Grade Level: 12

Credit: ½

*Recommended Prerequisite: Algebra 2*

This course will cover statistical analysis including standard deviations, margin of error, bell curves, survey analysis, as well as random and statistical probabilities. Student surveys and probability games will be used for analysis. The course will prepare seniors for college mathematic

**Science**

**Anatomy & Physiology A & B**

Graduation Category: Science

Grade Level: 11-12

Credit: ½ each

*Recommended Prerequisite: 80% in Biology A & B and Chemistry – Chemistry can be concurrent*

Students interested in pursuing a career in medicine will learn basic medical terminology. Part A will explore structures and functions of the integumentary, skeletal and muscular systems of the human body. Part B will focus on the nervous system including the brain, spine, and special senses to experience the world. Students will learn the structures and functions of the various organs along with diseases and disorders

**AP Biology A, B & C**

Graduation Category: Science

Grade level: 11-12

Credit: ½ each

*Required Prerequisite: Biology, Chemistry, and teacher recommendation from Biology Teacher*

*Fee: \$100 (estimated AP exam fee)*

This course will stress: knowledge of facts, principles, and processes; collection of biological information and the interpretation, hypotheses and analysis of the data; and understanding that science is a human endeavor with three levels (molecular/cellular, organism and population). Students signing up for this class must take all 3 parts. **Students who do not receive teacher recommendation may submit a Course Placement Change Request which can be found online or in the Guidance Office.**

**If interested in taking this course, select it as an alternate. Your course selections will be adjusted if the course is offered.**

**AP Chemistry A, B, & C (Possibly Offered)**

Graduation Category: Science

Grade level: 11-12

Credit: ½ each

*Recommended Prerequisite: Chemistry and teacher recommendation from Chemistry Teacher*

*Fee: \$100 (estimated AP exam fee)*

This course is based on the content established by the College Board. Topics include periodic relationships, molecular geometry, thermochemistry, equilibrium, electrochemistry and acid-based reactions. Students signing up for this course must take all 3 parts. A comprehensive description can

be found on the College Board AP Central Course Description website.- **Students who do not receive teacher recommendation may submit a Course Placement Change Request which can be found online or in the Guidance Office**

**Biology A & B** Graduation Category: Science Grade Level: 10 Credit: ½ each  
*Recommended Prerequisite: Integrated Science A & B*

The course will focus on the following topics: Function of the cell and related organ systems, molecular genetics, inheritance of traits, and Evolution. All parts of Biology will participate in a variety of classroom activities, including lecture/class discussions, labs, hands-on activities, and application of classroom topics to current science and real-world topics.

**Biology Accelerated A & B** Graduation Category: Science Grade Level: 10 Credit: ½ each  
*Recommended Prerequisite: Teacher recommendation, CERT score used as guideline (Science Score ≥ 24) and successful completion of Integrated Science A & B*

Accelerated Biology is an introductory course aligned with pre-AP Biology curriculum that will emphasize the major underlying and unifying themes of biology. The course will feature a variety of instructional methods with an emphasis on inquiry and a strong laboratory component. Students will use multiple resources to enhance classroom instruction, such as periodicals, newspapers, and Internet, as well as fiction and nonfiction books. Content will be tied into global current events, leading into bioethical discussions.

**Chemistry A & B** Graduation Category: Science Grade level: 10-12 Credit: ½ each  
*Recommended Prerequisite: Integrated Science & Algebra 2 – Algebra 2 can be concurrent*

In Chemistry A, students will study fundamentals of matter such as bonding of atoms, intermolecular forces and kinetics as related to physical properties. This class is highly recommended for students planning to attend college. Chemistry B will cover concepts such as stoichiometry, acid base theory, gases and colligative properties will be investigated. This class meets pre-college curriculum and is required by many colleges.

**Forensics** Graduation Category: Science Grade Level: 10-12 Credit: ½

This skill based class is to enable you to participate in Science activities that are focused generally in Forensics. This will have multiple inquiry based investigations. The class will include fingerprint, blood pattern analysis, solving mysteries, crime scene analysis, and focus on careers such as Medical Examiner, Forensic Chemist, and Forensic Biologist.

**Integrated Science A & B** Graduation Category: Science Grade Level: 9 Credit: ½ each

Both parts of A and B will cover a variety of science and engineering practices and cover topics such as the Physics, Earth-its systems and place in the universe, human activity, chemistry, physics, ecosystems and energy and interactions.

**Integrated Science 2 A** Graduation Category: Science Grade Level: 11 Credit: ½

In this course, students will study basic chemistry concepts. Topics include states of matter, properties of atoms and the periodic table, chemical bonds, and chemical reactions. This course is a half-credit and meets a science graduation requirement.

**Integrated Science 2 B** Graduation Category: Science Grade Level: 11-12 Credit: ½  
*Recommended Prerequisite: Successful completion of Integrated Science 2A and Biology*

Integrated B will focus on topics related to Ecology and human impacts on the environment. We will investigate current science topics, pose solutions to environmental problems by evaluating different solutions and determine the best strategy to use. We will also focus on various science skills for use in the real world.

**Oceanography** Graduation Category: Science Grade Level: 11-12 Credit: ½  
*Recommended Prerequisite: Biology*

Students will study the oceans from an ecosystem viewpoint. Ecosystems to be covered in this course will include beaches, coral reefs, the open ocean, and the deep oceans. Species interactions and the effects of man on these environments will be the focus. Students will learn about oceanic life forms such as sea anemones, squid and sharks. Students will also choose a long term project to take part in a learning based research opportunity.

**Physics A & B**

Graduation Category: Science

Grade level: 11-12

Credit: ½ each

Recommended Prerequisite: Algebra 2

This course will focus on the following core topics: motion and forces; energy and momentum; electricity and magnetism; vibration and waves; light and optics; general relativity. This course will offer many hands on and engineering possibilities within the class. Students may be required to bring certain items for projects.

**Robotics**Graduation Category: Elective (not Science)

Grade Level 10-11

Credit: ½

This class will be working with programming and design of Robotics. Students will build several robots and have them perform specialized tasks. Each week the tasks will allow the student to become more of an expert in design and performance of a robot.

**SOCIAL STUDIES****AP American Government A, B & C**

Graduation Category: Social Studies

Grade Level: 9

Credit ½ each

Recommended Prerequisite: based on teacher recommendation, CERT score used as guideline ( $\geq 80^{\text{th}}$  %tile on MAP Reading Test

Fee: \$100 (estimated AP exam fee)

This course will give student an analytical perspective on government and politics in the United States. It includes both the study of general concepts used to interpret U.S. politics and the analysis of specific examples. The course requires familiarity with the various institutions, groups, beliefs and ideas that constitute U.S. politics. Students will become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes. The topics covered will parallel those explored in college courses. Topics for the class include: Constitutional Underpinnings of the U.S. Government; Political Beliefs and Behaviors; Political Parties, Interest Groups, and Mass Media; Institutions of National Government; Public Policy; and Civil Rights and Civil Liberties. Students will learn facts and concepts to understand the typical political process. Students will use specific information in order to critically evaluate general propositions about, and the relationships between, government and politics. Students will also analyze relationships between the people and political institutions as well as the relationships among the different institutions. Using primary and secondary sources, students will interpret and utilize basic data relevant to government and politics in sustained written arguments. **Students who do not receive teacher recommendation may submit a Course Placement Change Request which can be found online or in the Guidance Office.**

**AP Comparative Politics A, B & C**

Graduation Category: Social Studies (Integrated) Grade Level: 12

Credit: ½ each

Recommended Prerequisite: Teacher recommendation

Fee: \$100 (estimated AP exam fee)

This course introduces students to the rich diversity of political life outside the United States. The course uses a comparative approach to examine the political structures; policies; and the political, economic, and social challenges among six selected countries: Great Britain, Mexico, Russia, Iran, China, and Nigeria. Additionally, students examine how different governments solve similar problems by comparing the effectiveness of approaches to many global issues. **Students who do not receive teacher recommendation may submit a Course Placement Change Request which can be found online or in the Guidance Office.**

**AP European History A, B & C**

Graduation Category: Social Studies

Grade: 10

Credit: ½ each

Recommended Prerequisite: based on teacher recommendation, CERT score used as guideline (Reading Score  $\geq 23$ )

Fee: \$100 (estimated AP exam fee)

AP European History introduces to the political, economic, social, intellectual, and artistic trends that shaped Europe from 1450 to the present. Students should acquire knowledge of the basic chronology of events and movements from this period as well as develop the ability to analyze historical documents and express historical understanding in writing. As part of the Advanced Placement program, the course prepares students for the AP European History exam. All students are expected to take the exam in May. **Students who do not receive teacher recommendation may submit a Course Placement Change Request which can be found online or in the Guidance Office.**

**AP US History- Parts A, B & C**

Graduation Category: Social Studies

Grade Level: 11

Credit: ½ each

Recommended Prerequisite: based on teacher recommendation, CERT score used as guideline (Reading Score  $\geq 23$ )

Fee: \$100 (estimated AP exam fee)

Advanced Placement American History extends the study of American History with a special focus on early colonial history to the present. This course provides the student with a comprehensive knowledge of American history and prepares the student to take and pass the Advanced Placement American History examination at the end of the school year. **Students who do not receive teacher recommendation may submit a Course Placement Change Request which can be found online or in the Guidance Office.**

**History of Rock & Roll**

Graduation Category: Elective

Grade Level: 9-12

Credit: ½

In this course, students will examine the History of Rock-n-Roll music from the 1950's to the present. As a class, we will study how Rock and Roll not only combined previous American musical traditions into a new genre but how this musical tradition has reflected and influenced events in American History. Rock music brought people together across regions, race and class lines, and across continents; it would change daily life in the United States. Daily instruction in this course will focus on close reading of primary and secondary sources and writing to demonstrate clear analysis of cultural and historical concepts as they are related to Rock and Roll.

**Integrated Social Studies A & B**

Graduation Category: Social Studies

Grade Level: 9

Credit: ½ each

The intent of this class is to build a foundation of knowledge and skills that can be utilized in real world situations and in subsequent social studies classes. Introduction to Social Studies A will provide the students with a basic understanding of Culture and Geography. Introduction to Social Studies B will provide the students with a basic understanding of Economics and Civics. Activities in the class will encourage knowledge comprehension, application, analysis, synthesis and evaluation of the principles and topics discussed.

**Military History**

Graduation Category: Elective

Grade Level: 10-12

Credit: ½

This course will explore military strategy, battles and leaders throughout history using Sun Tzu's *Art of War* as a guide. Students will read the first 5 chapters of the book and use Sun Tzu's theories to evaluate how battles were won or lost, how military leaders succeeded or failed, and determine the effectiveness of strategies used in war. Along with a focus on the *Art of War*, students will also research the evolution of weapons of war and the impact of these weapons on the outcome of famous battles.

**Political Science**

Graduation Category: Social Studies

Grade Level: 10-12

Credit: ½

The purpose of the course is to help you gain a better understanding of the reasons for government and its place in your life. We will focus on the origins of government and study the United States Constitution with particular emphasis on the legislative, executive, and judicial branches. The course is intended to enable students to become active citizens in the democratic process.

**Psychology**

Graduation Category: Elective

Grade level: 12

Credit: ½

This course will trace the scientific roots of psychology, major theories, methods of research, life span, theories of learning, and consciousness. It will also cover the elements of motivation, sensation and perception, experimental psychology, development of personality, and personality testing.

**U.S. History A & B**

Graduation Category: Social Studies

Grade Level: 11

Credit: ½ each

*Review of history up until 1865 with a focus on 1865-present.* These classes are designed to help the students understand the historical, political, and economic aspects of the United States. We will focus on how these events have shaped the world we live in today. Other than the focus on social studies content, we also will be working with the Kentucky Core Academic Standards for Reading and Writing in history/social studies. To meet these standards, students will be reading and analyzing primary and secondary sources and writing explanatory and argumentative essays throughout the 24 week course. The writing pieces will be part of the students' school writing folder and will be the culminating project for each trimester. Part A: Explanatory/Informational essay on United States Imperialism during the late 1800's and early 1900's Part B: Argumentative essay on the effectiveness of the New Deal

**World Civilization A & B**

Graduation Category: Social Studies

Grade Level: 10

Credit: ½ each

Review of world History from 1300 through the present. These classes are designed to help the students understand the historical, political, and economic aspects of world history from various world empires to the present. We will focus on how these events have shaped the world we live in today. Other than the focus on social studies content, we also will be working with the Kentucky Core Academic Standards for Reading and Writing in history/social studies. To meet these standards, students will be reading and analyzing primary and secondary sources and writing explanatory and argumentative essays throughout the two 12 week courses. The writing pieces will be part of the students' school writing folder.

**BUSINESS/ Career Technical Education (CTE)****Accounting & Finance Foundations 1A & 1B**

Graduation Category: Business/CTE

Grade Level: 10-12

Credit: ½ each

*Recommended Prerequisite:* Business and Marketing Essentials**Required Prerequisite:** Part A before Part B

This automated (computer-based) course will help students prepare for employment in business occupations, provide a solid foundation for college accounting, and are useful in everyday life. The principles taught in Accounting IA include the accounting cycle for a sole proprietorship and in

Accounting IB include the accounting cycle for a corporation. Throughout both courses, students will be learning about accounting careers, checking and savings accounts, sales and purchases, payroll taxes, financial statements, and investment opportunities.

**Agri-Science A & B**

Graduation Category: Business/CTE

Grade level: 10-12

Credit: ½ each

This course will focus on the urbanization of the agriculture practices that affect us on a daily basis. Learn how you can have an educated view about how Agriculture that makes a difference in everyone's life focusing on Career skills. This will cover Animals to Grocery. It will be a very hands on class with many activities helping you gain employable skills in science that will give you lifelong skills. Leadership skills will be provided in FFA.

**This course is a CTE class. It will meet Practical Living graduation requirements. It does not meet Science graduation requirements.**

**Animal Science A and B**

Graduation Category: Business/CTE

Grade level: 10-12

Credit: ½ each

*Recommended Prerequisite: AgriScience A & B*

This course focuses on learning about animals that are domestic and exotic. It covers nutrition, reproduction, selection, genetics, marketing of farm and companion animals. It includes speakers and field trip. Each student will be expected to have a supervised Agriculture experience which is a project/job outside of school. For further information check out Mrs. Poston's web page that will give you details on the content curriculum.

**App Development with Swift A&B**

Graduation Category: Business/ CTE

Grade Level: 11-12

Credit: ½ Each

*Required Prerequisite: 2 Completed credits in Computer Programming Pathway*

App Development with Swift Part A allows students to build a foundation in Swift, UIKit, and networking through hands-on labs and guided projects. At the end of each of the first few units, students will complete guided projects. Through these projects, students will create features that interest them, all while performing the type of work they can expect in an app development workplace.

In Part B, students will examine how to design, prototype, and architect an app of their own design. Students spend at least 20 hours of programming and applying learned concepts through programming.. They will spend the trimester designing, testing, and refining a functional application that will be made available to the public.

**Business and Marketing Essentials A & B**

Graduation Category: Business/CTE

Grade Level: 9

Credit: ½ each

This course is an introductory business and marketing course which enables students to acquire a realistic understanding of business processes and activities. Students examine fundamental economic concepts, the business environment, and primary business activities. They develop an understanding of and skills in such areas as customer relations, economics, emotional intelligence, financial analysis, human resources management, information management, marketing, operations, professional development, and strategic management. Throughout the course, students are presented ethical dilemmas and problem solving situations for which they must apply academic and critical-thinking skills. Students will also complete their Individual Learning Plan through Xello.

**Digital Literacy A & B**

Graduation Category: Business/CTE

Grade Level: 10-12

Credit ½ each

*Recommended Prerequisite: Business and Marketing Essentials A*

In Part A, students will reinforce proper keyboarding techniques as they develop speed and accuracy in using the computer and learn proper formatting as they prepare business and personal documents. Students will develop competency operating popular software programs currently used in the business world such as Microsoft Word and PowerPoint. **Students will be able to take the MOS Certification Tests for Microsoft Word and PowerPoint.** In addition, students will utilize Internet access to complete various projects. In Part B, students will learn Excel and Access as they complete units of study database, and spreadsheets. **Students will be able to take the MOS Certification Tests for Microsoft Excel and Access.** Internet research is incorporated into the courses as well as basic business concepts with an emphasis on computer terminology/functions and career/employment opportunities.

**Engineering 1 A&B**

Graduation Category: Business/CTE

Grade Level: 10-11

Credit: ½ each

This course will use the **PLTW Engineering Essentials** curriculum. This course offers a multidisciplinary approach to teaching and learning foundational concepts of engineering practice, providing students opportunities to explore the breadth of engineering career opportunities and experiences and solve engaging and challenging real-world problems

**Engineering 2A&B**

Graduation Category: Business/CTE

Grade Level: 10-11

Credit: ½ each

*Required Prerequisite: Engineering 1*

This course will use the **PLTW Intro to Engineering Design** curriculum. Students will dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3-D modeling software, and use an engineering notebook to document their work.





**Veterinary Science A&B**

Graduation Category: Business/CTE

Grade Level: 10-12

Credit: ½ each

*Required Prerequisite: Animal Science A&B*

Veterinary science topics include safety, sanitation, anatomy and physiology, clinical exams, hospital procedures, parasitology, posology, laboratory techniques, nutrition, disease, office management, and animal management. Careers are also explored. Leadership development will be provided through the National FFA Organization. Each student will be expected to have an agricultural experience program.

<b>Visual &amp; Performing Arts</b>
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**Adaptive Art A, B & C**

Graduation Category: Arts/Humanities

Grade Level: 11-12

Credit: ½ each

*Required Prerequisite: Application*

A unique experience for students to be a part of a special education classroom. Students are partnered with special education students and help guide them through each art project. Students will assist as they build a portfolio for an Art Show in our Dixie Gallery. **Students are able to take the course one trimester, two trimesters or all three trimesters.**

**AP Music Theory A, B, & C**

Graduation Category: Arts/Humanities

Grade Level: 10-12

Credit: ½ each

Recommended Prerequisites – Teacher Approval, Music Theory Course and 2 trimesters of music courses

Fee: \$100 (estimated AP exam fee)

AP Music Theory is a course designed to develop student skills in music theory and analyze composition, arranging, and aural cognition. Upon completion of the course, students are prepared to take the AP Music Theory Exam. This course should be taken by, but not limited to, students who plan on becoming music majors in college.

**AP Art and Design, 2D, 3D, Drawing**

Graduation Category: Arts/Humanities

Grade Level: 11-12

Credit: ½ each

*Required Prerequisites: Art 1, Art 2, Art 3 or Graphic Design or Sculpture & Ceramics – Teacher approval required*

Fee: \$100 (estimated AP exam fee)

This course is offered to advanced art students after finishing Art 1, Art 2, and Art 3. It is the equivalent to a one-semester college course in art, and culminates in the Advanced Placement Examination. Depending on the student's performance on this exam and on the college's policies, advanced placement college credit may be received. An additional College Board processing fee is required for applicants. A well-presented portfolio and slides of student work are required for submission.

**Art I**

Graduation Category: Arts/Humanities

Grade Level: 9-12

Credit: ½

Art one is designed to provide a foundation for the advanced courses. Emphasis is placed on understanding the Elements of Art and Principles of Design as a basis for composition. Students will explore a variety of art processes and materials such as drawing, painting, printmaking, two and 3D design, and digital art. Willingness to get involved in the creative process is a more important requirement than the students talent or previous experience. **This class is a prerequisite for other art classes.**

**Art 2**

Graduation Category: Arts/Humanities

Grade Level: 10-12

Credit: ½

*Required Prerequisite: Art 1*

A second course that provides an opportunity for students to expand on the drawing and painting concepts introduced in Art 1. Emphasis is placed on experience with design principles, drawing techniques and painting skills leading to development of abilities that are necessary for advanced courses. Students are given more in depth problems to solve creatively while becoming more adept through a broad exposure to various media.

**Art 3**

Graduation Category: Arts/Humanities

Grade Level: 10-12

Credit: ½

*Required Prerequisite: Art 2*

The third course will take the foundations learned in Art 1 and Art 2 and lead students to understand the history of art and explore different styles and techniques many of the great artists used. Students will be exposed to color theory and be able to implement this into their own creative ideas.

**Chamber Choir A, B, & C (All parts required)**

Graduation Category: Arts/Humanities

Grade level: 10-12

Credit: ½ each

*Recommended Prerequisite: Concert/Mixed Choir, or Treble Choir. Placement in course requires audition.*

Membership in the Chamber Choir is audition-based. This ensemble seeks to produce a high quality of music covering various genres, languages, and styles. Students seeking membership in Chamber Choir must show a high work ethic and skill. Grades are based upon daily rehearsal technique, theory lessons, quizzes, mandatory attendance at performances, and a final exam. Members of this choir will have the opportunity to



**Stage Craft** Graduation Category: Arts/Humanities Grade Level: 10-12 Credit: ½  
*Recommended Prerequisite: Drama I*

Students study technical areas in the preparation of a play. Course areas include; fundamentals of technical drawing, introduction to shop tools and theater processes, introduction to lighting instruments. Students complete a production book as one of the course requirements as well as fulfill assigned responsibilities for actual theatrical productions. Related professions are carpentry, cabinet-making, careers requiring construction skills, set designers, lighting technician, Film and TV crew, director and arts administrator.

**Symphonic Band A, B & C** Graduation Category: Arts/Humanities Grade: 9-12 Credit: ½ each  
*Recommended Prerequisite: Previous middle school band experience*

These courses are only for students who have prior band experience either at the middle school or high school level. We will focus on standard band literature and strive to improve musicianship and technique. Students in these courses perform at the Northern Kentucky Concert Band Festival, two school based concerts, and the Dixie Heights Graduation ceremony. Students should take ALL 3 trimesters.

**Treble Choir A, B, & C (All parts required)** Graduation Category: Arts/Humanities Grade level: 10-12 Credit: ½ each  
*Recommended Prerequisite: Mixed Choir; Placement in course requires audition.*

This is a Female Choir. Membership in the Treble Choir is audition-based. This ensemble seeks to produce a high quality of music covering various genres, languages, and styles. Students seeking membership in Treble Choir need to show a high work ethic and skill. Grades are based upon daily rehearsal technique, theory lessons, quizzes, mandatory attendance at performances, and a final exam. Members of this choir will have the opportunity to participate in All-State Choir auditions, Solo & Ensemble, Large Group Contest, and other extra singing opportunities. Students are encouraged to take Music Theory.

**Wind Ensemble A, B, & C (All Parts required)** Graduation Category: Arts/Humanities Grade Level: 9-12 Credit ½ each  
*Required Prerequisite: Audition*

Wind Ensemble is an advance course for the most elite musicians. Students must have prior experience in Band and audition for entrance into the course. Acceptance into the course is based on musicianship, technical abilities, and instrumentation. Students will rehearse and perform grade 5 and grade 6 literature. Students in Wind Ensemble are highly encourage to also take Music Theory. Students in Wind Ensemble will perform at Concert Assessment, two school based concerts, and Dixie's Graduation Ceremony. Students will also be encouraged to audition for honor bands throughout the year.

**PHYSICAL EDUCATION/HEALTH**

**Fitness** Graduation Category: Health/PE Grade Level: 10-12 Credit: ½  
*Recommended Prerequisite: Phys. Ed I*

This course is designed for students wanting to "get in shape." Depending on interest in the class, there will be separate sections for males and females. It will focus on weight management and improving overall wellness and appearance. Outstanding athletic skills are not a requirement for this class.

**Gross Motor Development A, B, & C** Graduation Category: Health/PE Grade Level: 11-12 Credit: ½ Each  
*Recommended Prerequisite: PE **AND** Application*

This elective course collaborates with the special education department. The mission of this course is to establish a relationship between regular education students and students with multiple disabilities (cognitive or physical), while working alongside a physical education teacher, special education teacher, and para-professionals, to improve and enhance their motor skills. These skills include; running, catching, kicking, throwing, jumping, etc...Students who may be interested in education, special education, physical therapy, occupational therapy, and any mentoring profession may be interested in this course. This is an application based program. **Students are able to take the course one trimester, two trimesters or all three trimesters.**

**Health** Graduation Category: Health/PE Grade Level: 9 Credit: ½

The class will introduce students to many current health topics that impact today's society and specifically the teenage population. The course is taught so all students gain sufficient knowledge and motivation to function at their best physically, mentally, emotionally and socially. A major emphasis will be placed on prevention as the best means for healthy living. Specific units covered in this class include: Fitness, Nutrition, Drugs Alcohol and Tobacco, Sex Education, CPR and Basic First Aid, Safety, Mental Health, and Consumer Health.

**Health 2** Graduation Category: Health/PE Grade Level: 11-12 Credit: ½  
*Recommended Prerequisite: B or higher in Health 1*

This course will focus on physical and mental wellness. The skills and knowledge to make informed decisions about their health both now and in the future will be emphasized. The physical portion of Health 2 will focus on addiction, violence prevention, STIs, pregnancy, first aid and child development. We will develop a broad knowledge base through class discussions, notes and hands on activities. We will examine the consequences for choosing poorly as well as the benefits of good choices. Our goal is for students to be able to make informed decisions about their well-being. Another goal will be to give students a greater understanding of common mental illnesses while also focusing on cultivating/maintaining mental wellness. As students approach graduation, this course will provide an opportunity to address some of the concerns about transitioning to life beyond Dixie Heights High School. Some of the topics discussed will be stress management, anxiety, depression, and self-care as well as providing resources for support.

**Physical Education 1** Graduation Category: Health/PE Grade Level: 9 Credit: ½

A variety of activities will be utilized in stressing the development of the components of physical fitness. Basic skills, strategies, teamwork, and general knowledge of team sports will also be included. Activities will include but not be limited to weight training, softball, basketball, soccer, and volleyball.

**Recreational Sports** Graduation Category: Health/PE Grade Level: 11-12 Credit: ½  
*Recommended Prerequisite: Phys. Ed I*

This course is designed to allow students to learn and experience Recreational Activities. Topics covered include, but are not limited to Archery, Table Tennis, Pickle Ball, Tennis, Badminton, and Ultimate Frisbee/Football

**Strength & Conditioning** Graduation Category: Health/PE Grade Level: 11-12 Credit: ½  
*Recommended Prerequisite: Phys. Ed I*

This course is designed for students who want to increase athleticism. Activities are designed to improve strength and flexibility. Students should expect to work hard every day and be willing to push themselves to become their best. Class will also include learning basic physiology and energy systems training, as well as how to design individual programs.

**Team Sports** Graduation Category: Health/PE Grade level: 10 Credit: ½  
*Recommended Prerequisite: Phys. Ed I*

This course will focus on individual improvement in team-oriented activities. Activities include but are not limited to Touch Football, Soccer, Basketball, Softball, and Volleyball. Spring term activities might include Softball, Basketball, Track & Field, Team Handball, or Ultimate Frisbee/Football.

## World Languages

All students who plan to attend college are advised to take two or three credits of a foreign language. A four-year program of study including Advanced Placement is needed to fulfill the Commonwealth Diploma requirements. Those students who wish to acquire a basic knowledge of a foreign language and wish to learn about its culture but who maintain average grades or lower in English in the 8th or 9th grade are strongly recommended to wait until the sophomore or junior year before beginning courses of study in foreign language. This will assure the average English student of more confidence and greater success in foreign language study.

**AP German 4 A, B, & C or AP Spanish 4 A, B, & C** Graduation Category: Elective Grade Level: 11-12 Credit: ½ each  
*Recommended Prerequisite: 80% in German III or Spanish III, and Teacher Recommendation*  
Fee: \$100 (estimated AP exam fee)

The focus of this year-long, college level course is to enable the student to develop his or her communicative ability in the language of study. The purpose of this course is to revise, expand and synthesize in order that the student attains greater grammatical accuracy. It requires active, involved participation in real communication with the instructor and fellow students. A strong desire to communicate combined with knowledge of basic skills is needed to guarantee success in this challenging course.

German IV AP-B/C and Spanish IV AP-B/C are both a continuation of German IV AP-A and Spanish IV AP-A and require a passing grade in Parts A and B of the same course and are a continuation of the same topics described above.

NOTE: Any student who has successfully completed German IV AP or Spanish IV AP is eligible to continue foreign language studies at the university level as class schedules permit. He/she may either pursue the same language more in depth as available by the university, OR he/she may choose



Juniors – 1 period only – 5<sup>th</sup>

Seniors – 1 or 2 periods

**Peer Tutor**

Graduation Category: Elective

Grade Level: 11-12

Credit: ½

*Required Prerequisite: Academic and/or Career **AND** must have earned a B or higher in the class they will peer tutor for.*

This class allows students to become mentors for fellow high school students. Following the guidance of a mentor teacher they provide support and assistance in the regular classroom setting. An application must be completed. Students will be assigned to specific offices and team leaders based on need.

**Senior Project/Service Learning**

Graduation Category: Elective

Grade Level: 12

Credit: ½ each

*Recommended Prerequisite: 3.0, written proposal and teacher/administrator approval. Attendance and discipline are also considered.*

***Please be aware that this is an independent, student-driven project.***

Senior Project: Students will plan, research, document and complete a significant meaningful project for the improvement of themselves and/or their community. Students will work with a professional in one or more of the following fields:

Scientific Research

Historic Research

Service Learning: Students will identify and work to solve social problems within their community, state or country. Social entrepreneurs are committed to produce a measurable impact on part of society that is not functioning in a productive way. Identifying problems and assisting to solve the problems as an agent of change – it is helping to educate the public and teach to be self-reliant. Students will work with professional mentors. Students make take Senior Project for 2-3 trimesters and is offered during 5<sup>th</sup> period only.

**STLP**

Graduation Category: Elective

Grades: 10-12

Credit: ½ each

*Required Prerequisite: Completed Application and teacher approval – See Mrs. Turner*

This technology leadership program allows students to implement their computer knowledge through various activities throughout the school building, including technical support and service learning program

**Yearbook A, B & C**

Graduation Category: Elective

Grade Level: 10 –12

Credit: ½ each

*Required Prerequisite: Application and Teacher Signature – see Mrs. Hahnel*

Students will be given a true school-to-work experience in the production of the school yearbook. They will be taught layout design and how to produce the yearbook using desktop publishing software. Students will gain experience using a digital camera, uploading and organizing pictures, and editing photos using Photoshop. Journalistic writing will be emphasized as well as advertising, promotion and delivery of the book. Students will be responsible for submitting completed layouts at assigned deadlines in order to publish the yearbook in a timely fashion. As part of the class, attending various after school photo opportunities may be required.

