

# DIXIE HEIGHTS HIGH SCHOOL



2025-2026

**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	6-9
Graduation Diploma & Recognitions	10
Transition Readiness & Career Pathways	11-14
Ignite Institute	14
JROTC Graduation Requirements	15
Recommended Sequence of Courses	16-19
Dual Credit Opportunities & Courses	20-24
NCAA Requirements	25-26
Schedule Change Policy	27
Course Descriptions	27-42

## 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	Computer Science Principles

**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>
Students receive a failing grade will be ineligible for the Honor Roll and Dean’s List – GPA is <b><u>NOT</u></b> rounded up for awards			

## Graduation Requirements class of 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 of Science as needed). Chemistry may be substituted for Integrated 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>Arts/Humanities</b>	1 Credit (Any Art, Choir, Music, or Drama class)
<b>Business/Vocational/CTE</b>	1 Credit (any CTE or vocational pathway), ½ of which must be BME
<b>Electives</b>	9.5 Credits
<b>Total Credits</b>	26.5 credits needed for graduation

### CREDITS NEEDED FOR PROMOTION

Senior	– 20.5 credits (including English 3 and Algebra 2)
Junior	– 13 credits (including English 2 and Geometry)
Sophomore	– 6 credits (including English 1 and Algebra 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 a mix of 12 trimesters/8 semesters (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

<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 ( $\frac{1}{2}$ Health and $\frac{1}{2}$ Physical Education)
<b>Arts/Humanities</b>	1 Credit (Any Art, Choir, Music, or Drama class)
<b>Business/Vocational/CTE</b>	1 Credit (Any CTE or vocational pathway), $\frac{1}{2}$ of which must be BME
<b>Electives</b>	8 credits
<b>Total Credits</b>	25 credits needed for graduation

### CREDITS NEEDED FOR PROMOTION

Senior	– 19 credits (including English 3 and Algebra 2)
Junior	– 13 credits (including English 2 and Geometry)
Sophomore	– 6 credits (including English 1 and Algebra 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 Requirements:

Students must:

- Complete a mix of 12 Trimesters/8 semesters (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 2028

<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 ( $\frac{1}{2}$ Health and $\frac{1}{2}$ Physical Education)
<b>Arts/Humanities</b>	1 Credit (Any Art, Choir, Music, or Drama class)
<b>Business/Vocational/CTE</b>	1 Credit (Any CTE or vocational pathway), $\frac{1}{2}$ of which must be BME
<b>Electives</b>	7 credits
<b>Total Credits</b>	24 credits needed for graduation

### CREDITS NEEDED FOR PROMOTION

- Senior – 18 credits (including English 3 and Algebra 2)
- Junior – 12 credits (including English 2 and Geometry)
- Sophomore – 6 credits (including English 1 and Algebra 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 Requirements:

Students must:

- Complete a mix of 12 Trimesters/8 semesters (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 2029

<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 ( $\frac{1}{2}$ Health and $\frac{1}{2}$ Physical Education)
<b>Humanities</b>	1 Credit (Any Art, Choir, Music, or Drama class)
<b>Business/Vocational/CTE</b>	1 Credit (Any CTE or vocational pathway)
<b>Electives</b>	6 credits
<b>Total Credits</b>	23 credits needed for graduation

### CREDITS NEEDED FOR PROMOTION

- Senior – 17 credits (including English 3 and Algebra 2)
- Junior – 11 credits (including English 2 and Geometry)
- Sophomore – 5 credits (including English 1 and Algebra 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 Requirements:

Students must:

- Complete 8 semesters (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. **GPA is NOT rounded up for awards and recognitions.**

**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  $\geq 3.5$

## 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. Below are the course sequences for our career and technical pathways.

### Business Department Pathways

#### **Administrative Support**

Business & Marketing Essentials  
Digital Literacy  
Accounting & Finance **OR** Personal Finance  
Intro to Management

#### **E-Commerce**

Business & Marketing Essentials  
Digital Literacy  
Marketing Principles  
Entrepreneurship

#### **Hospitality, Travel, Tourism & Recreation**

Principles of Hospitality  
Principles of Marketing  
Travel & Tourism Marketing  
Entrepreneurship

#### **Management & Entrepreneurship**

Business & Marketing Essentials  
Intro to Management  
Entrepreneurship  
Choose 1: Digital Literacy **OR** Accounting &  
Finance **OR** Principles of Marketing **OR**  
Personal Finance

### Technical Education Pathways

#### **Digital Design & Game Development**

Programming Essentials  
Digital Literacy  
Project Based Programming  
Game Design & Development

#### **Computer Programming**

Programming Essentials  
Digital Literacy  
AP Computer Science  
Project Based Programming

#### **Engineering Design**

Engineering 1  
Engineering 2  
Environmental Engineering  
AP Computer Science

### Non-Pathway Certification

#### **Veterinary Science**

Industry Certification: ICEV Veterinary  
Medical Applications

## 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

### **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 are required to earn an Associate's Degree). Offered in conjunction with Gateway Technical & 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 credit hours), EET 154 & EET 155 – Electrical Construction w/Lab (4 credit hours), IXS 1001 -Safety & Universal Precaution (1 credit hour)

**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 credit hours), ACR 270 & ACR 271 – Heat Pump Application w/ Lab (5 credit hours)

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

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

### **Enzweiler Building Institute Program**

In the Introduction to the Skilled Construction Trades Program, high school juniors and seniors gain hands-on experience and build skills to prepare them for careers in the building industry. Many juniors pursue co-op assignments in their senior year. Many seniors go onto jobs immediately upon graduation, while others continue to pursue licensure through continued education at Enzweiler and other Institutions.

**Industry Certifications:** OSHA 10, Students complete industry-recognized credentials through the PACT Curriculum of the Home Builders Institute (HBI). Program are aligned with Residential Carpenter Assistant Pathway.

### **Line Worker 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 Utility Technologies (4 credit hours)

**Industry Certification:** Utility Line Worker Certification

### **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.**

### **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.

## 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.

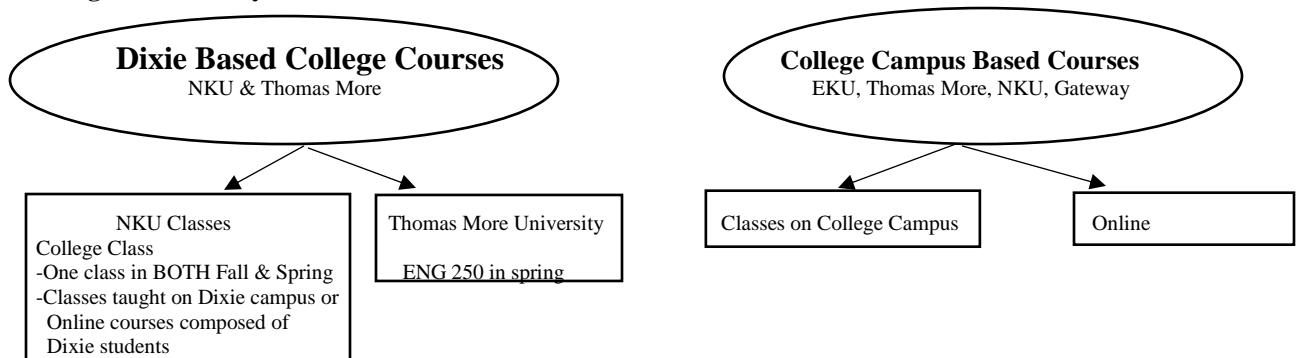
Students in these classes are challenged to be more responsible for their learning. These courses require college tuition payment (though usually at a greatly reduced rate) or a fee for on-line courses. Students must budget time, provide transportation (when necessary) and provide their own resources 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-credit college 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) \*  
 NKU BUS 100 (in person @ Dixie)  
 TMU CRJ 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)  
 TMU PSY 105 (in person @ Dixie)

### Dual Credit Online Thomas More Classes

**Fall**

TMU BUA 105\*  
 TMU CIS 114\*  
 TMU COM 105  
 TMU HIS 115  
 TMU ORG 115\*  
 TMU LAW 105\*  
 TMU MAT 205  
 TMU PSY 105  
 TMU SPA 201  
 TMU THR 125

**Spring**

TMU BUA 105\*  
 TMU CIS 115\*  
 TMU COM 105  
 TMU CRJ 101\*  
 TMU LAW 155\*  
 TMU MIS 113  
 TMU SOC 105  
 TMU SPA 202  
 TMU THR 125

\* Denotes Work Ready Scholarship Eligible Class

<b>Dual Credit Courses</b>
----------------------------

**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.

**CIS 114: Introduction to Programming**

Dixie Credit: 1.5    College Credit: 3

Graduation Category: Elective

College/ University: Thomas More

Introduction to basic programming techniques and fundamental structures and methodologies of modern programming languages. Topics include basic program structure, Variables, scope, decision structures, and loops. The course involves multiple programming aspects.

**CIS 115: Introduction to Programming II**

Dixie Credit: 1.5    College Credit: 3    **Required Pre-Requisite: CIS 114**

Graduation Category: Elective

College/ University: Thomas More

Expand the basic programming concepts introduced in CIS 114. Introduce advanced concepts – inheritance, polymorphism, abstract classes, exception handling, and the use of graphical user interfaces. Gain more practical experience by designing and writing applications.

**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 fundamental 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.

**CRI 255: Criminology**

Graduation Category: Elective

College/ University: Thomas More

Dixie Credit: 1.5 College Credit: 3

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**

Graduation Category: Elective

College/ University: NKU

Dixie Credit: 1.5 College Credit: 3

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.

**ENG 101: College Writing**

Graduation Category: English

College/ University: NKU

Dixie Credit: 1.5 College Credit: 3

Foundation of Knowledge Category: Written Communication I

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

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**

Graduation Category: English

College/ University: NKU

Dixie Credit: 1.5 College Credit: 3

Foundation of Knowledge Category: Written Communication II

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

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**

Graduation Category: English

College/ University: Thomas More

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.).

**FLC 101: Pathways to Financial Success**

Graduation Category: Math

College/ University: NKU

Dixie Credit: 1.5 College Credit: 3

Foundation of Knowledge Category: Individual &amp; Society

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)**

Graduation Category: History

College/ University: Thomas More

Dixie Credit: 1.5 College Credit: 3

An introductory survey of United States history after 1877.

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

Graduation Category: Social Studies

College/ University: NKU

Dixie Credit: 1.5 College Credit: 3

Foundation of Knowledge Category: Global Viewpoints

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**

Graduation Category: Math

College/ University: Thomas More

Dixie Credit: 1.5 College Credit: 3

**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**

Graduation Category: Elective

College/ University: Thomas More

Dixie Credit: 1.5 College Credit: 3

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

**ORG 225: Introduction to Ethical Leadership**

Graduation Category: Elective

College/ University: Thomas More

Dixie Credit: 1.5 College Credit: 3

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 behaviors.

**POP 205: Intro to Popular Culture**

Graduation Category: Arts/Humanities

College/ University: NKU

Dixie Credit: 1.5 College Credit: 3

Foundation of Knowledge Category: Culture &amp; 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**

Graduation Category: Social Studies

College/ University: NKU

Dixie Credit: 1.5 College Credit: 3

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**

Graduation Category: Social Studies

College/ University: NKU

Dixie Credit: 1.5 College Credit: 3

Foundation of Knowledge Category: Individual &amp; 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**

Graduation Category: Social Studies

College/ University: Thomas More

Dixie Credit: 1.5 College Credit: 3

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**

Graduation Category: Social Studies

College/ University: Thomas More

Dixie Credit: 1.5 College Credit: 3

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: Foreign Language

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

**THR 125: Introduction to Theatre** Graduation Category: Arts/Humanities College/ University: Thomas More  
Dixie Credit: 1.5 College Credit: 3

An examination of theatre as an art form and it is designed to introduce students to the fundamental areas of theatrical endeavor (acting, designing, directing, and playwriting) and to familiarize them with the coordination of these specialties in the final production. Special attention given to play analysis and interpretation.

# 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

Int Science or Int Science Acc  
Biology or Biology Acc  
Anatomy & Physiology  
Chemistry  
Environmental Science  
Forensics  
Geology  
Oceanography  
Physics 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 eligibility

# 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 6 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

Graduation Category: English

Grade Level: 11-12

Credit: 1

*Recommended Prerequisite: Based on teacher recommendation*

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. KSA and ACT prep will be covered. 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

Graduation Category: English

Grade Level: 11-12

Credit: 1

*Recommended Prerequisite: Based on teacher recommendation*

Fee: \$100 (estimated AP exam fee)

AP 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.

#### Broadcast Journalism

Graduation Category: Elective

Grade Level: 11-12

Credit: ½

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.



**From Pages to Life: Short Stories and Young Adult Journeys**

Graduation Category: Elective

Grade Level: 9-12 Credit: ½

This course invites students to explore the vibrant words of short fiction and young adult literature. The class delves into compelling stories that capture the complexities of growing up, the search for identity, and the universal experiences that shape us all. Through close reading, discussion, and creative projects, students will examine diverse voices, themes, and literary techniques that bring these narratives to life. Together, we will analyze how authors craft stories that resonate deeply with readers while reflecting societal and personal challenges. Whether you're a passionate reader or new to the genre, this course offers a journey into the heart of stories that inspire, challenge, and transform.

**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.

**The Power of Persuasion: Debate Meets Public Speaking**

Graduation Category: Elective

Grade Level: 11-12

Credit: ½

This dynamic, interactive course teaches students the foundational skills of effective argumentation, debate, and public speaking. Through hands-on activities, structured debates, and engaging presentations, students will learn to analyze complex issues, construct compelling arguments, and deliver speeches with confidence and clarity. Topics covered include persuasive techniques, audience analysis, rhetorical strategies, and the art of rebuttal. Students will also practice active listening, learn to think on their feet, and refine their ability to adapt messages to different audiences and contexts.

**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**

Graduation Category: Elective

Grade Level: 10 –12

Credit: ½

Prerequisite: Requires teacher approval, 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. 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.

<b>MATHEMATICS</b>
--------------------

**Algebra 1**

Graduation Category: Mathematics

Grade Level: 9

Credit: 1

In Algebra 1, students deepen their understanding of algebraic relationships and functions. Students will use tables, graphs, visuals, and equations to describe mathematical relationships. Students will solve one- and two-variable equations and inequalities. They also revisit forms of linear equations when solving two-variable equations, which connects to equations of lines of best fit. We will introduce features of functions that students will attend to in later units (e.g., domain and range, key features). Finally, we will introduce polynomial functions and quadratics, focusing on operations and characteristics

**Algebra 2**

Graduation Category: Mathematics

Grade Level: 11-12

Credit: 1

*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, 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**

Graduation Category: Mathematics

Grade Level: 9-11

Credit: 1

*Recommended Prerequisite: Accelerated Geometry and teacher recommendation, (9<sup>th</sup> graders may take Algebra 2 Acc concurrently with Geometry Acc)*

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, 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**

Graduation Category: Mathematics

Grade Level: 11-12

Credit: 1

*Required Prerequisite: Pre-Calculus Honors*

Fee: \$100 (estimated AP exam fee)

This course is equivalent to the traditional college Calculus 1 class. It is intended for the student who has a thorough knowledge of college preparatory mathematics, including algebra, functions, geometry, and trigonometry. This class covers topics including functions, limits, derivatives, integration, area under the curves, volume of solids, and L'Hôpital's Rule. Upon completion of this course and passing the AP exam, students can receive up to 5 college credit hours depending upon the university regulations and the score they receive.

**AP Calculus BC**

Graduation Category: Mathematics

Grade Level: 11-12

Credit: 1

*Required Prerequisite: Introduction to Calculus Honors and AP Calculus AB*

Fee: \$100 (estimated AP exam fee)

This course is equivalent to the traditional college Calculus 2 class. It is intended for the student who has a thorough knowledge of college preparatory mathematics, including: algebra, functions, geometry, and trigonometry. In addition, the student is expected to know all topics from **AP Calculus AB** including: limits, derivatives, integration, area under the curves, and volume of solids. Additional AP Calculus BC topics include: integration by parts, partial fraction decomposition, infinite series, parametric equations, and differentiating polar equations. Upon completion of this course and passing the AP exam, students can receive up to 5 college credit hours (in addition to the hours they earned in AB Calculus) depending upon the university regulations and the score they receive.

**AP Computer Science Principles**

Graduation Category: Mathematics

Grade Level: 11-12

Credit: 1

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**

Graduation Category: Mathematics

Grade Level: 11-12

Credit: 1

*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 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.









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.

<b>BUSINESS/ Career Technical Education (CTE)</b>
---

**Accounting & Finance Foundations**

Graduation Category: Business/CTE

Grade Level: 10-12

Credit: 1

*Recommended Prerequisite:* Business and Marketing Essentials

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

**Business and Marketing Essentials**

Graduation Category: Business/CTE

Grade Level: 9-10

Credit: 1

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**

Graduation Category: Business/CTE

Grade Level: 10-12

Credit: 1

*Recommended Prerequisite:* Business & Marketing Essentials OR Programming Essentials

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. 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**

Graduation Category: Business/CTE

Grade Level: 9-11

Credit: 1

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 2**

Graduation Category: Business/CTE

Grade Level: 10-11

Credit: 1

*Required Prerequisite:* Engineering

The 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 solution to a variety of problems using 3-D modeling software, and use an engineering notebook to document their work.

**Entrepreneurship**

Graduation Category: Business/CTE

Grade Level: 11-12

Credit: 1

*Recommended Prerequisite:* Business and Marketing Essentials & Digital Literacy

This course is designed to provide students the basic skills needed to effectively organize, develop, create and manage their own business. Students will learn about the types of business (sole proprietorships and partnerships), how to determine market need for a business, identify and use marketing techniques in the development of businesses and prepare appropriate financial documents for a business. Students will also expand upon the basic entrepreneurial skills in order to create a business, either individually or in pairs. The culminating project of the course is the development of a business of the student's choosing. The culmination of the course is the annual Entrepreneurship Challenge where students will present proposed business plans to a group of industry professionals.

**Environmental Engineering**

Graduation Category: Business/CTE

Grade Level: 11-12

Credit: 1

*Required Prerequisite:* Engineering 2

This course will use the principles of engineering, soil science, biology, and chemistry to develop solutions to environmental problems. Students will work to improve recycling, waste disposal, public health, and water and air pollution control. They also address global issues, such as unsafe drinking water, climate change, and environmental sustainability.

**Game Design and Development Principles**      Graduation Category: Business/CTE      Grade Level: 11-12      Credit: 1  
*Required Prerequisite: Project-Based Programming*

The course is an introduction to Game Design and Gaming. The course provides an overview of story development, gaming history, game reviews, current gaming trends, and industry software. Students will begin to create and develop a game story/plot that can be further developed in higher-level courses as well as critique current games. In addition, 2D game development software and image manipulation will be explored to further enhance their design skills. Career exploration into game design will be researched and gain awareness of job and postsecondary opportunities. Students spend at least 20 hours of programming and applying learned concepts through programming. (Programming is defined by the K-12 CS Framework, as the craft of analyzing problems and designing, writing, testing, and maintaining programs to solve them.) Participation in Kentucky Technology Student Association or SkillsUSA will greatly enhance instruction.

**Intro to Management**      Graduation Category: Business/CTE      Grade Level: 10 –12      Credit: 1  
*Recommended Prerequisite: Business and Marketing Essentials*

Business Management is designed for those students who are going to continue their education in the area of business administration or plan to serve as a manager in any career field. The focus is developing the organization, operation, and management skills required to run a business enterprise, manage a school, develop a successful law practice, and many more career areas from the schools of study. It also emphasizes leadership skills, as well as the four functions of management. Real world experience will be completed in class through the use of Mean Jeans and Restaurant Entrepreneur simulations.

**Marketing Principles**      Graduation Category: Business/CTE      Grade Level: 10 -12      Credit: 1

Marketing Principles introduces students to the dynamic processes and activities in marketing. The course develops student understanding and skills in the functional areas of marketing, as well as business law, communication skills, customer relations, economics, human resources management, and operations. Current technology will be used to acquire information and to complete activities. Throughout the course, students are presented with ethical dilemmas and problem-solving situations for which they must apply academic and critical-thinking skills. Leadership development will be provided through FBLA.

**Principles of Hospitality**      Graduation Category: Business/CTE      Grade Level: 9-12      Credit: 1

This course is designed for students interested in business and marketing careers in the hospitality industry. The instruction includes career awareness in the areas of recreation, travel/tourism, hotel/motel, and restaurant. This course is based on the business and marketing core that includes communication skills, economics, operations, promotion, selling, and product/service management. Leadership development will be provided through FBLA and/or DECA.

**Programming Essentials**      Graduation Category: Business/CTE      Grade Level: 9-12      Credit: 1

Programming Essentials promotes understanding of computer programming and logic by teaching students to think like a computer. It covers skills needed to develop and design language-independent solutions to solve computer-related problems. Instruction covers development and design basics including use of variables, control and data structures, and principles of command-line and object-oriented languages. Students spend at least 20 hours programming and applying learned concepts through programming. Programming is defined, by the K-12 CS Framework, as the craft of analyzing problems and designing, writing, testing, and maintaining programs to solve them.

**Project Based Programming**      Graduation Category: Business/CTE      Grade Level: 10-12      Credit: 1  
*Required Prerequisite: Programming Essentials*

Project Based Programming is a comprehensive course focusing on the Python Programming Language. Throughout the course, students will learn to solve real world problems by using Python. This course includes a capstone project to integrate all concepts learned into a comprehensive final project.

**Travel & Tourism Marketing**      Graduation Category: Business/CTE      Grade Level: 10-12      Credit: 1  
*Recommended Prerequisite: Principles of Hospitality*

This course introduces the student to the travel and tourism industry. This course is based on the business and marketing core that includes communication skills, economics, human resource management, promotion, marketing-information management, and selling. Instruction includes domestic and international travel, sales techniques, transportation methods, food and beverage marketing, and destination marketing. Leadership development will be provided through FBLA and/or DECA.

**Veterinary Science**

Graduation Category: Business/CTE

Grade Level: 10-12

Credit: ½

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. This will be a course taught with computer guided lessons with students taking the ICEV Veterinary Medical Application Certification at the end of the course.

<b>Visual &amp; Performing Arts</b>
-------------------------------------

**Adaptive Art**

Graduation Category: Arts/Humanities

Grade Level: 11-12

Credit: 1

*Required Prerequisite: Art Teacher Approval*

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.

**AP Music Theory**

Graduation Category: Arts/Humanities

Grade Level: 10-12

Credit: 1

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 Studio Art**

Graduation Category: Arts/Humanities

Grade Level: 11-12

Credit: 1

*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 student's 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**

Graduation Category: Arts/Humanities

Grade Level: 10-12

Credit: 1

*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** Graduation Category: Arts/Humanities Grade: 9-12 Credit: 1  
*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** Graduation Category: Arts/Humanities Grade level: 10-12 Credit: 1  
*Recommended Prerequisite: Mixed Choir*

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** Graduation Category: Arts/Humanities Grade Level: 9-12 Credit 1  
*Required Prerequisite: Audition Required*

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** Graduation Category: Health/PE Grade Level: 11-12 Credit: ½  
*Recommended Prerequisite: PE I **AND** teacher approval – see Mr. Hooper*

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 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

*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

*Required Prerequisite: 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**

Graduation Category: Elective

Grade Level: 10 –12

Credit: ½

*Required Prerequisite: Teacher approval – 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.

