PADUCAH TILGHMAN HIGH SCHOOL

Welcome to the Party
MISSION STATEMENT
The faculty and staff of Paducah Tilghman High School accept the responsibility to offer ALL students ... to achieve at high levels of academic performance and to grow socially and emotionally in a safe and orderly environment.

Over the 150 years in which the Paducah Independent School District has evolved, one constant has remained; a spirit of leadership and progressiveness in education. Paducah Tilghman High School takes great pride in its “Tradition of Excellence.” We invite you to be part of carrying that tradition of excellence forward in academics, arts, and athletics.

A Tradition of Excellence

Yesterday. Today. Tomorrow.
Welcome to the Home of the Tornado

2400 Washington St. Paducah, KY 42001  Telephone 270.444.5650
www.paducah.kyschools.us  Fax 270.444.5659
Art Davis, principal (ext. 2000)  Hours 7:26 to 2:20
art.davis@paducah.kyschools.us  850 students in grades 9-12

A quality education awaits you! Comprehensive opportunities in academics, athletics and extracurricular activities are available.

Registration is under way for next year. Students may use this guide to work with their advisors, counselors, and parents in determining which opportunities they will take.

Approximately 100 dedicated administrators, teachers, assistants, coaches and others, along with over 850 students, welcome you to Paducah Tilghman High School, home of the "Tilghman Tornado."

The school, which opened more than a hundred years ago, has been accredited by the Southern Association of Colleges and Schools for outstanding academics since 1913.
The Tilghman Capstone course gives students who are college- or career-ready the opportunity to identify an off-campus internship experience or independent research project that they would like to pursue throughout their senior year. Each student will have one or more mentors from the community guiding his or her experience and/or research. The capstone internship may take place off campus. All capstone students will complete a capstone project that they will defend to a panel of reviewers at the end of the course. Students will be selected based upon an application process, and attendance will be monitored.

Seniors who are college-ready may apply to the Tilghman Early College Academy. This program supports students as they take dual-credit college courses at West Kentucky Community and Technical College. Not only will students begin earning college credits during high school, but also they will actually get the chance to become immersed in collegiate academic life while still being supported by Tilghman staff. Students will work together to navigate the various challenges that college students face. Students in this program could potentially complete their senior year with up to nine college credit hours.
YOU OUGHT TO KNOW...

CHANGE OF ADDRESS/PHONE NUMBER
The Registrar should be informed immediately of a student’s new address or telephone number, so school communications can reach the student promptly. Phone 270-444-5650, ext. 2305.

GRADE CLASSIFICATION
Each student’s grade level will be determined by the following number of credits:

CREDIT REQUIREMENTS*
Students earn letter grades each nine weeks based on this scale:

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<tr>
<th>NUMBER</th>
<th>GRADE</th>
<th>LETTER</th>
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WEIGHTED GRADING SCALE FOR PTHS AP WITH QUALITY POINTS

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<tr>
<td>70-72</td>
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<td>C-</td>
<td>2.67</td>
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The final grade for each semester in each course is figured for the cumulative GPA. To calculate cumulative GPA, total quality points must be calculated; the semester GPAs cannot simply be averaged.

GRADE REPORTING
Students will receive printed progress reports in the middle of each quarter. Report cards at the end of each quarter/semester will NOT be printed by the school, but will be available on the Parent Portal and Student Portal of Infinite Campus. Instructions for accessing Infinite Campus are on page 24 of this Curriculum Guide.

HONOR ROLL
After grades are posted each nine weeks, students with a 3.5 GPA or better will be named to the honor roll.

ADVANCED PLACEMENT
Weighted grades are awarded for the first ten AP courses a student completes at Tilghman. Most AP courses require summer work. A student may earn college credit by passing the College Board AP exams, which are given in May. The school will reimburse the exam fees paid for any student who scores a 3, 4, or 5.

Any student scoring a four or five on their AP exam(s) may have his or her grade for that course for both semesters replaced with an A. This change will have no effect on class rank of graduating seniors, and updated transcripts will only be mailed to universities at the specific request of the student.

Students who sign up for Advanced Placement courses and then decide to drop them are not guaranteed spots in the next level of the course. Students should carefully consider their abilities and work ethic in selecting AP courses. These courses are college-level, and students working at grade level or slightly above may experience success in these courses.

Students who complete a Dual Credit course will earn a high school credit as well as college credit at a reduced cost. Enrollment and withdrawal from the university is the sole responsibility of the student. See a counselor for more information.

ATHLETIC ELIGIBILITY
To participate on a sports team, a student must be on grade level. In addition, a student must maintain a currently 2.0 GPA and be cumulatively passing five of seven classes. Grades are checked weekly.

SCHEDULE CHANGES
Once classes are scheduled, it is difficult to change because many of the classes have maximum enrollment. After final course selections have been made, changes may be considered only if the student:

- Has failed a required course.
- Is not enrolled in a course required for graduation.
- Demonstrates poor achievement in a pre-requisite course and is advised by both the teacher and the counselor to change the class.

Schedule changes will NOT be made because a student dislikes a particular class, its requirements, or certain teachers. Reading and math courses may be determined by assessment scores.

Enrollment in particular courses will be determined by teacher recommendation, standardized test scores, grades, and guardian consultation on an individual basis. Careful thought should be given by both parents and students when choosing classes in the spring for the following year.

MISSION STATEMENT
The faculty and staff of Paducah Tilghman 
ACCEPT the responsibility to offer ALL students the opportunity to ACHIEVE at HIGH levels of academic performance and to grow socially and emotionally in a safe and orderly manner.

PT’S MISSION FOR YOU
Our vision is for students to be college and/or career ready upon graduation!
MINIMUM REQUIREMENTS FOR STANDARD DIPLOMA

**Student’s responsibility**
Although an adviser provides forms for assistance, it is the student’s responsibility to ensure that he or she has all of the required credits for graduation. If a student repeats a course for which he or she already has credit, a second credit will not be awarded.

**Testing requirements**
To receive a PTHS diploma, a student must participate and demonstrate a good faith effort in state-mandated tests.

All required state tests are listed on page 24 of this guide.

**College Recommendation Requirements**
In order for seniors to receive assistance with college admission and scholarships, they must have taken the ACT or SAT.

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**Commencement exercises**
Graduation is held following the last attendance day for students.

Weather permitting, the ceremony is held in the football stadium. If weather forces it to move inside, the number of guests may be limited.

To participate in commencement exercises, seniors must:
- Meet all requirements for graduation.
- Have on file by May 15 any grades from correspondence courses.
- Order a cap and gown at the time designated by the principal.
- Attend the graduation practice session.
- Dress appropriately and exhibit proper behavior, as determined by the principal.
- Have paid all fines, fees, etc., and completed all disciplinary assignments.
- Pay in advance a fee to cover graduation expenses.

The No Pass/No Drive law (KRS 159.051) states that a student can be denied his or her driver’s license or have his or her license revoked for 1) academic deficiency or 2) dropping out of school as a result of unexcused absences. A student shall be considered academically deficient when he or she has not received passing grades in at least five courses, or the equivalent of five courses. If a sixteen or seventeen year old student (with a driver’s permit or license) accumulates nine or more unexcused absences, the school will report the student as noncompliant and the state will REVOKE ALL DRIVING PRIVILEGES.
**HOW TO GRADUATE WITH HONORS**

- Maintain a 3.5 GPA
- Abide by the discipline record policy

The GPA is calculated on a 4.0 scale. However, as an incentive to encourage students to take the most rigorous class offerings, up to ten Advanced Placement courses will be weighted on a higher scale, with an “A” counting as five points, etc.

*Only the first ten AP courses will be weighted, including 10th grade Pre-AP English: honors classes will NOT be weighted.*

Students may take more than 10 AP courses but will NOT receive weighted scores for those additional classes.

All students with a 3.5 GPA will be honor graduates, no matter what level of courses they took.

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**Requirements for highest honors**

To be valedictorian or salutatorian, students must have credits in the bold-faced courses at right; the other listed courses are suggested.

Transfer students must have had the highest level of a course offered at their school to be considered for valedictorian or salutatorian. Only their AP courses will be weighted.

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<thead>
<tr>
<th>Subject</th>
<th>9TH</th>
<th>10TH</th>
<th>11TH</th>
<th>12TH</th>
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<tbody>
<tr>
<td>ENGLISH</td>
<td>Eng 93</td>
<td>Pre-AP English</td>
<td>AP Amer Studies</td>
<td>AP Eng 123</td>
</tr>
<tr>
<td>SCIENCE</td>
<td>Hon. Bio</td>
<td>Chem 113</td>
<td>Physics 113</td>
<td>AP Chem or AP Bio</td>
</tr>
<tr>
<td>MATH</td>
<td>Alg I Plus/ Alg II Hon Geo Hon</td>
<td>Alg. II Hon/ Geo Hon</td>
<td>Pre-Cal</td>
<td>AP Calculus</td>
</tr>
<tr>
<td>SOCIAL STUDIES</td>
<td>may take Govt./Econ Am. Cultures AP Human Geography</td>
<td>World Studies</td>
<td>AP Amer Studies</td>
<td>AP Govt/ AP Eur Hist AP Psych</td>
</tr>
</tbody>
</table>
Honor Programs

Special programs are available to students who keep their grades up or excel in certain areas. Contact Mr. Jonathan Durr or Rebecca Rogers for more details, or view the Guidance section of the PTHS website.

Here is a sampling:

Governor’s Scholars Program (GSP). This free five-week summer program is offered by the Commonwealth of Kentucky on three college campuses (Centre College, Bellarmine College and Murray State University) between the junior and senior years. Application process is highly competitive. Applicants are screened by a local committee and then selected at the state level.

Applicants must have an un-weighted GPA of 3.5 or higher and a minimum ACT composite of 21 or higher. Upon completion of GSP, the scholar can earn full or partial tuition at many KY colleges & universities.

Anyone interested in applying for the program should have taken the PSAT, SAT or ACT by fall of their junior year. Applicants must provide multiple volunteer experiences beginning in the 9th grade. Students should be involved in community & school activities.

The Governor’s Scholars Program strives to enhance Kentucky’s next generation of civic and economic leaders and to create models of educational excellence for teachers and students alike.


Commonwealth Honors Academy. This three-week summer residential program offers outstanding high school scholars an enriching educational and recreational experience at Murray State University, plus six hours of tuition-free university credit, college scholarship opportunity, and tuition-free university courses during the senior year. Rising seniors with a 3.5–4.0 GPA and minimum 25 ACT or equivalent PSAT/SAT or PLAN are eligible. See guidance for details.

Governor’s School for the Arts (GSA): A free three-week summer enrichment program at a Kentucky college in music, art, drama, writing. Artistically-talented sophomores and juniors apply in late fall. Teachers of arts and visual arts can explain the program.

NOTE: MANY Kentucky colleges offer varying scholarships to GSP and GSA participants. Check with the college of your choice. Initial application is online. Deadline is at the end of December.

National Merit Scholarship Program and National Achievement Scholarship Program are conducted by the National Merit Scholarship Corporation each year as an academic competition for recognition and scholarships. Entrance in the program is gained by taking the PSAT/NMSQT in October of the JUNIOR year. Scores determine a student’s continuance in the program. PSAT information, deadlines, and fees for registration will be announced in the fall in junior English classes.

Underclassmen are eligible to take the PSAT; however, the scores won’t be considered for National Merit Scholarships.

Youth L.E.A.D. The Youth L.E.A.D. program targets High School Junior (11th grade) students from throughout Paducah/McCracken County. Each year 25 students are selected from a group of applicants. The program begins with a mandatory orientation retreat conducted by the LPF board which introduces key individual and team development leadership skills. The students will then spend one day a month for five months learning about human needs/service learning, communication and career development, business and economy, law and government, and healthcare in McCracken County. Graduation from the program will take place in April of the calendar year at the Paducah Area Chamber of Commerce monthly Power in Partnership breakfast. The application as well as a more detailed overview of the program is available online at: http://leadershippaducah.org/.

HOBY. Hugh O’Brian Youth Leadership (HOBY) summer conferences are conducted annually throughout the United States, serving local and international high school students. HOBY provides 1-2 sophomore students selected by their high schools to participate in unique leadership training, service-learning and motivation-building experiences. HOBY aims to inspire and develop our global community of youth and volunteers to a life dedicated to leadership, service, and innovation. See more at: http://www.hoby.org/

Arts/Humanities

Drawing and Painting I

500712DP1A • 500712DP1B
Create original works of art using graphite, pastel, oil pastel, charcoal, collage, watercolor and acrylic paint. Study drawing and design through still life, perspective, self portraits, figure drawing, landscape and design.

Drawing and Painting II

500712DP2A • 500712DP2B
Prerequisite: Drawing & Painting I

Drawing and Painting III

500712DP3A • 500712DP3B
Prerequisite: Drawing & Painting II

AP Studio Art Drawing & Painting

500716A • 500716B
Prerequisite: Drawing & Painting II.

Earn college credit. Create a portfolio of 24 works to submit to the College Board.

Sculpture & Ceramics I

500713A • 500713B
Create original works of art using paper, plaster, wood, stone and found man made or natural materials. Learn ceramics through pinch, slab, and throwing on the wheel.

Sculpture & Ceramics II

500713SC2A • 500713SC2B
Prerequisite: Sculpture I

Sculpture & Ceramics III

500713SC2A • 500713SC2B
Prerequisite: Sculpture II

AP Music Theory

500929A
Grades: 11, 12
500929B
Prerequisite: Strong background in music and recommendation from current music teacher.

Students will learn music fundamentals, clef signs, scales, and aural skills. For students planning to major in music or study music appreciation in college.
ARTS & HUMANITIES

BAND
GRADES 9-12
Prerequisite: Director permission
The band is comprised of several performance ensembles: concert band, jazz band, pep band, and marching band. All band students are required to participate in marching band and band camp, unless they are a member of a fall sport that conflicts with the performance schedule of the marching band. Students are strongly encouraged to broaden their musical experience by participating in Solo and Ensemble Festival and auditioning for honor bands, such as All-District, All-State, and Quad-State. A $125.00 supply fee is required for shoes, gloves, supplies, and uniform dry cleaning and maintenance throughout the year.

PERCUSSION ENSEMBLE
GRADES 9-12
The Percussion Ensemble is open to all students 9 - 12. If a student is in band from grade 6 to 12, he or she is required to register for band in order to participate in this ensemble. Students will focus on becoming well rounded percussionists. Students will gain a comprehensive knowledge of both pitched and non-pitched instruments, percussion technique rhythm, and overall musicality through the performance of marching, concert, and percussion ensemble literature. Students in the Percussion Ensemble are required to perform in all school concerts, contest performance assessments, etc. unless otherwise stated by the director.

GUITAR I/II
GRADES 9-12
Beginning students learn fundamentals of music reading and basic guitar technique. Students must have their own guitars (acoustic preferred).

CHORAL ACTIVITIES
Each level is a systemic progression of musical skills in voice training, choral technique, and choral literature. Groups perform separately and together for school and community events. Other opportunities include auditioning for Thilghman's award-winning a capella groups, Concordia and Prime Rib. Students new to the district or to the music program should arrange a tryout with the choral director.

PTHS SINGERS
GRADES 9-12
Prerequisite: Audition
This is an ensemble for beginning girls who are preparing for Concert Choir. Singers must be dependable, motivated, have a very strong desire to excel and improve singing and music-reading skills. Concert attire must be purchased.

CONCERT CHOIR
GRADES: 9-12
Prerequisite: Audition Only
Concert Choir is an SATB group of serious vocal students who perform Renaissance, Baroque, Classical, Romantic and 20th-century music for school and community events. Members are eligible to audition for Quad-State, All-State, and school ensembles. Concert choir participates in regional, state, and national festivals and competitions, and generally travels every other year to various parts of the U.S. and abroad. Concert attire must be purchased.

KEYBOARD/PIANO
GRADES: 9-12
Prerequisite: none
Through individual and group instructions, students learn note values, rhythm, key and time signatures and performance technique.

ORCHESTRA
GRADES: 9-12
Students entering this class must have played a stringed instrument before and must audition for the director - it is not for beginners. Students in this class will work on reading music in advanced keys and advanced positions. Students not comfortable with third and fifth positions will learn these skills in this class.

INTRO TO SPEECH/THEATRE
GRADES: 9-12
Prerequisites: Audition Only
Speech and Theatre is a performance-based specialized course. Students will study theater basics and character analysis. Students will create, produce, perform and attend presentations, using play scripts, poetry, stories, performances, media, critiques, other elements and sources, including live performances. This course does meet the one-credit Arts and Humanities graduation requirement. There are performance requirements.

THEATRE AND DRAMA
GRADES: 9-12
Credits: 1 HS
Introduction to the Theatre provides an overview of the art, conventions, and history of theatre. Although experiential exercises may be included, the courses focus on learning about drama/theatre rather than performance. Students study dramatic elements, elements of production and elements of performance. Students also study major developments in dramatic literature and/or major playwrights, the history and formation of theatre as a cultural tradition, and critical appreciation of drama/theatre.

DANCE 1
GRADES: 9-12
Credits: 1 HS
Dance technique courses provide experience in one or several dance forms (i.e., modern, tap, jazz, ballet). Initial classes are usually introductory in nature, while more advanced classes concentrate on improving technique and may offer or require choreographic and evaluative experiences.

DANCE 2
GRADES: 10-12
Credits: 1 HS
Dance repertory courses provide the opportunity for students with prior dance experience to develop dance techniques in small groups; these classes may require auditions and emphasize performance.
DIGITAL LITERACY  060112A  060112B
GRADES: 9-12  
Prerequisite: None
Computer Fee: $5
Students use computer and application software, including word processing, presentation, database, spreadsheets, and Internet research. This class covers the impact of computers on society and ethical issues. This is a survey course, providing the framework for all upper level computer courses. It is essential for college-bound students. This course is a graduation requirement.

ADVANCED COMPUTER & TECHNOLOGY APPLICATIONS  070743A  070743B
GRADES: 11-12
Prerequisites: Digital Literacy and 1 additional business class
This course is designed to provide students an advanced-level experience with practical applications through hands-on instruction. Content includes understanding of various hardware, software, operating systems, care/operations, administrative applications, and employability skills; software includes advanced business applications. Upon completion of this course, a student will be ready to take the core level tests for MOS Certification and/or the Administrative Support Skills Standards Certificate.

MULTIMEDIA PUBLISHING  060751A  060751B
GRADES: 10-12
Prerequisite: Computer & Technology Applications
Materials Fee: $5
This hands-on course applies publishing and presentation concepts through the development of sophisticated business documents and projects. Documents include, but are not limited to the following: tri-fold brochures, bi-fold programs, catalogs, newsletters, flyers, business forms, graphs, on-screen presentations, and video productions. Equipment such as scanners, digital cameras, video cameras, and color laser printers may be used. Formatting, editing, page layout, and design concepts are taught. Distribution ready publication standards are applied to all projects.

ACCOUNTING I  060122A  060122B
GRADES: 9-11
Prerequisite: None
Fee: $25 Workbook
This course will provide an introduction to both accounting and finance. Topics will include banking, credit, financial literacy, career exploration, spreadsheet usage, and technical writing. The accounting principles taught in this course are based on a double-entry system and include preparing bank reconciliations, payroll taxes, and financial statements. Detailed career exploration in the various fields of accounting will be completed. Technical writing will be provided through IPAC business plan curriculum and exploration of case studies.

ADVANCED ACCOUNTING (APBP)  070125A  070125B
GRADES: 11-12
This class is designed for students to first learn how businesses plan for and evaluate their operating, financing, and investing decisions and how accounting systems gather and provide data to internal and external decisions makers. This year-long course covers all the learning objectives of a traditional college level financial accounting course, plus those from a managerial accounting course. Topics include an introduction to accounting, accounting information systems, time value of money, and accounting for merchandising firms, sales and receivables, fixed assets, debt and equity.

ADVANCED MULTIMEDIA PUBLISHING  060761
GRADES: 11-12
Credits: 1-3
This hands-on course applies advanced web design, publishing, and presentation concepts through the development of sophisticated documents and projects which includes, but is not limited to the following: web sites, web databases, web movies, video editing and production, television productions. This course is designed around the learning goals of the instructor utilizing hardware and software available.

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<th>Course Sequence: Career Majors</th>
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<tr>
<td><strong>Accounting</strong></td>
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<td>Digital Literacy</td>
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<td>Accounting &amp; Finance Foundations</td>
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<td>Advanced Accounting</td>
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<td>Certification</td>
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English Requirement
A senior writing portfolio must be completed and meet all requirements for graduation.

READING 100 230153A
GRADES: 9 230153B
Prerequisites: None
This course emphasizes instruction in community/consumer health, safety and accident prevention, substance abuse, growth and development, personal health, mental health, family health, environmental health, and nutrition science. Introduces activities stressing the development of basic physical skills, rhythm, individual, dual and team sports and games, and physical fitness.

ENGLISH 92 230107A
GRADE: 9 230107B
Prerequisite: None
English 92 covers a wide variety of literature, writing situations, grammar, and media center activities.

ENGLISH 93 (HONORS) 230108A
GRADE: 9 230108B
Prerequisite: STAR Reader score of >891.
This is an Honors level class that explores literature, composition and grammar for advanced freshmen who work above grade level.

ENGLISH 102 230110A
GRADE: 10 230110B
Prerequisite: Eng. 92/93
This course introduces world cultures through literature, history, and fine arts. Uses writing, reading, research and appropriate learning events. Covers core content from reading, writing, social studies, and arts and humanities.

ENGLISH 103 (HONORS) 230111A
GRADE: 10 230111B
Prerequisite: STAR reader score of >1028
This course introduces world cultures through literature, history, and fine arts. Uses writing, reading, research and appropriate learning events. Covers core content from reading, writing, social studies, and arts and humanities. Summer reading assignment required.

PRE-AP ENGLISH 230118A
GRADE: 10 230118B
PRE-AP LITERATURE & COMPOSITION
Prerequisite: A or B in English 93 and/or teacher recommendation. STAR reader score >1028
This course is designed for students who want the challenge of learning about world history through extensive reading, research, writing, and culminating learning events. Course examines all of the major world civilizations and literature and requires work above grade level for successful completion. Follows Advanced Placement curriculum for World Civilization and the pre-AP curriculum for English. No remediation available. Summer reading assignment required.

ENGLISH 112 230113A
GRADE: 11 230113B
Prerequisite: Eng. 102/103
This course covers American literature, and a variety of writing situations and grammar.

ENGLISH 113 (HONORS) 230114A
GRADE: 11 230114B
Prerequisites: STAR reading score >891. PLAN score of 18 in Reading and 17 in English.
English 113 emphasizes American literature, vocabulary study, and composition. College preparatory course. Summer reading assignment required.

Continued...
AMERICAN STUDIES  230166A  
GRADE: 11  230166B  
(AP Literature & Composition)  Prerequisite: A or B in Pre-AP Literature and Composition (AP World Studies) or teacher recommendation. STAR >891  
This course is designed for academically-accelerated juniors. Combines literature, writing, music, philosophy, U.S. history. Students may nominate themselves but past high achievement and interest in scholarship required. Selection is based on grades, test scores, teacher recommendation. Part of two-hour class/credit; in conjunction with AP U.S. History. No remediation available. Summer reading assignment required.

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<tr>
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<th>Code</th>
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<tr>
<td>CREATIVE WRITING 230599A</td>
<td>11-12</td>
<td>230599B</td>
</tr>
<tr>
<td>Prerequisites: Students should have successfully completed 9th and 10th grade English classes. Creative Writing will elicit student written poetry, short stories, drama and personal expressive essays. It is composition that highlights the imagination of the writer while demonstrating the specific genre of literature.</td>
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ENGLISH SUCCESS LAB  230195A  
GRADE: 12  230195B  
This course is for students who need additional time and support or for students who may not have attained the benchmark ACT score in English/Language Arts. This course could serve as an English/Language Arts elective for high school graduation, but not as one of the four required English Language Arts courses.

NEWSPAPER (JOURNALISM)  239111A  
GRADE: 11-12  239111B  
Prerequisite: Teacher recommendation, application, and at least a B in English.

YEARBOOK (JOURNALISM)  239141A  
GRADE: 11-12  239141B  
Prerequisite: Teacher recommendation, application, and at least a B in English.

ENG. 101/102 DUAL CREDIT  230169A  
GRADE: 12  230169B  
Course covers a wide range of materials from imaginative literature to contemporary nonfiction (essays, speeches, articles, and letters). Most writing is analytical and argumentative; some summaries, critiques, and syntheses. Weekly compositions, in-class timed writings. Research project second semester. Remediation not available. Summer reading assignment required. Please be aware that this is a college level course, and readings, writings, and assignments will be more difficult than a high school Senior English Class. This course is offered through WKCTC, and it will follow the course requirements for ENG 101 and ENG 102 at WKCTC. Completion of both courses will result in six credit hours of English at the college level.
Our Family and Consumer Sciences department currently offers course work in the Hospitality career pathway. A certificate is awarded from the Kentucky Department of Education when this career pathway is completed. After earning three credits from the Hospitality Services Career Pathway students will take the KOSSA (Kentucky Occupational Skills Standards Assessment) or the ServSafe exam.

**FOODS & NUTRITION- 200441A**
**GRADES 10-11 200441B**

This course is designed to assist students in making critical decisions about food, which contributes to health and well-being. Laboratory instruction is included, during the second semester, as an application process. Practical problems addressed relate to attitudes toward food, nutrition facts, special health concerns and diets, management of food resources, preparation skills, food safety, sanitation and careers in nutrition and food service. Leadership development will be provided through the Family, Career and Community Leaders of America. Course Fee: $20

**PRINCIPLES OF HOSPITALITY 200610A**
**GRADES 10-12 200610B**

This course is designed for students interested in 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 family and consumer sciences core that includes communication skills, economics, food and beverage operations, promotion, selling, and product/service management. Volunteer hours are required for this course. Leadership development will be provided through FCCLA activities and competitive events.

**ADVANCED FOODS & NUTRITION 200442A**
**GRADES 11-12 200442B**

Prerequisite: C or higher in Foods & Nutrition. May be concurrently enrolled in Principles of Hospitality.

This course is designed to assist students in principles related to food preparation. Specific content addressed will include planning, serving, food presentation, special diets, and nutrition for the lifespan, serving, and food planning for entertainment services. An emphasis is placed on careers related to food service and nutrition (i.e. catering, dietician, and other culinary careers). Lab instruction emphasizes the application process. Leadership development will be provided through the Family, Career and Community Leaders of America (FCCLA) student organization. *Upon completion of this course, students will take the KOSSA exam or the ServSafe Exam. Course Fee: $20

**SPECIALIZED SERVICES IN HOSPITALITY**
**GRADE 11-12 200641A**
**200641B**

Prerequisites: Principles of Hospitality and must be a senior.

This course is designed to provide training in specialized services within the hospitality field. Job and career opportunities will be explored. Instruction will include skill development and practice. Shadowing and work experiences in a variety of commercial establishments such as hotels and motels will be included. Leadership development will be provided through the Family, Career and Community Leaders of America (FCCLA) student organization.

Participation in FCCLA, Family, Career and Community Leaders of America, provides a vehicle for students enrolled in Family and Consumer Science courses to employ higher order thinking skills and to further enhance their leadership skills through their participation in regional, state, and national competitive events and local activities.

<table>
<thead>
<tr>
<th>FCS Course</th>
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<tbody>
<tr>
<td>10th Grade</td>
<td>Foods &amp; Nutrition</td>
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<tr>
<td>11th Grade</td>
<td>Principles of Hospitality</td>
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<tr>
<td>12th Grade</td>
<td>Advanced Foods and Specialized Services</td>
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</tbody>
</table>
Success in a foreign language requires extensive memorization, strong study habits, and an average or above-average understanding of grammar. Students should have at least a B in English. The English teacher must recommend for the first year. Language teacher must recommend for successive years. (Ninth graders should have exceptional study habits to begin foreign languages.)

SPANISH I 161108A 161108B
Prerequisite: EXPLORE score of 13 in English or PLAN score of 15 in English and/or teacher recommendation, STAR score >891.
This course develops basic communication skills of speaking, listening, reading, and writing within a cultural context. Simple tenses and extensive vocabulary memorization will be covered. Content is organized around a series of real-life situations: family, travel, etc. Introduces Hispanic culture.

SPANISH II 161109A 161109B
In Spanish II, students continue emphasis on oral communication, reading, and writing. Covers present, future, past, conditional, and progressive tenses. Real-life conversational skills further developed. Cultural knowledge increases. Above-average grade first year recommended.

SPANISH III 161110A 161110B
This course reviews grammar, stressing exceptions and minor points not covered fully first two years. Emphasis on speaking fluently and on history and cultural contributions of Spanish-speaking world. Introduces Hispanic writers and literature.

AP SPANISH LANGUAGE 161130A 161130B
This course is a study of Hispanic literature, history and culture. All reading, writing and speaking in Spanish.

FRENCH I 160408A 160408B
Prerequisite: EXPLORE score of 13 in English or PLAN score of 15 in English and/or teacher recommendation.
This course is an introduction to French language and culture. Emphasis on daily oral communication. Extensive memorization of essential vocabulary for conversations on personal topics: family, school, leisure activities, food, etc. Frequent dictation drills.

FRENCH II 160408A
Prerequisite: French I
Prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the novice high to intermediate low range on the ACTFL Proficiency scale; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of francophone and other cultures. In addition, students develop insight into their own language and culture.

Modified curriculum for special needs
To provide the best possible education for all students, Tilghman offers a modified curriculum through the appropriate channels for students identified with special needs.

Specifics are addressed through 504 and Individual Education Plans.

For information, contact Sarah Dempsey at: sarah.dempsey@paduah.kyschools.us
1. All graduates must take Algebra I, Geometry, and Algebra II to be awarded a high school diploma in Kentucky.
2. All graduates must pass mathematics each year of high school. Algebra I Intervention will count as an elective, not as a math required credit. Students may be required to take two math courses in one year.

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**ALGEBRA I INTERVENTION** 270301A 270304BB
(Does not count as math requirement. For 9th graders with 11 or lower EXPLORE math scores)
Students master basic computational skills, learn to use a calculator and develop problem solving skills. Two hour course

**ALGEBRA I** 270304A 270304B
Prerequisite: C in middle school pre-algebra; A or B in Preparatory Algebra.
Students select and apply appropriate strategies to solve problems, including linear equations and inequalities. Various algebraic skills covered with emphasis on communicating the logic of algebraic procedures. Also: Properties of linear functions and their graphs; real number system and subsystems.

**ALGEBRA I (HONORS)** 270306A 270306B
Prerequisite: Preparatory Algebra A or B; middle school algebra (C or below)
For students proficient in basic math and pre-algebra. Linear equations and inequalities, communicating logic of algebraic procedures, and working with polynomial expressions. Also: Linear functions and graphs; real number system and subsystems. Students may move into honors classes from this class.

**GEOMETRY** 270401A 270401B
Prerequisite: Algebra I
Fundamentals introduced to develop basic problem-solving skills and to apply geometric principles to real-life situations. Vocabulary, postulates, and theorems of Euclidean geometry presented in an informal approach. Topics include points, lines, planes, plane figures, area and perimeter of plane figures, geometrical congruence, similarity, ratio and proportion, volume and surface area of solids, transformations and probability.

**GEOMETRY (HONORS)** 270402A 270402B
Prerequisite: Algebra I Plus or middle school

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**ALGEBRA I (HONORS)** 270301A 270301B
Prerequisites: Algebra I and Geometry.
This course is designed for those students who have completed their Algebra I graduation credit, but are not sufficiently prepared to attempt a rigorous Algebra II course. This course will go beyond Algebra I and will prepare students for Algebra II which is required for graduation. It is taken concurrently with Geometry.

**ALGEBRA II** 270311A 270311B
Prerequisites: Algebra I and Geometry.
Topics include the complex number system, linear equations, quadratic equations, inequalities, graphs of functions and relations, an introduction to trigonometry functions, basic techniques of solving word problems, probability and statistics, percent, ratio, exponents, and scientific notation. Problem-solving and mathematical communication skills developed. This course does not meet prerequisites for Pre-Calculus.

**ALGEBRA III** 270321A 270321B
Prerequisite: Algebra II
This student-centered senior mathematics course is designed to build the foundation necessary for success in an entry-level postsecondary mathematics course. It includes a cross-section of mathematical skills through real-world applications, investigations and problem solving. By successfully completing this course, students may avoid placement into non-credit-bearing courses, saving additional financial expense and time in future studies. This course is designed to meet the competencies of WKCTC's MT 65.

**MAT 100 INTERMEDIATE ALGEBRA/MAT 150 COLLEGE ALGEBRA**
**GRADE: 12** 270230B
Prerequisite: 19 ACT Math or 36 Compass
Completion of Pre-Cal or MAT 100
This class offers a dual credit opportunity in college algebra in the spring. Students will complete MAT 100 Intermediate Algebra the first semester and College Algebra during the second semester. Students who scored 22-24 on ACT Math BUT did not complete Pre-Cal can earn college credit by taking MAT 100 in the fall and MAT 150 in the spring.

**MAT 150 COLLEGE ALGEBRA/MAT 155 TRIGONOMETRY** 270230A
**GRADE: 12** 270230B
Prerequisite: 22 ACT Math or 36 Compass
Completion of Pre-Cal II
This course is designed to be equivalent to a credit-bearing College Algebra course for students intending to enter into post-secondary education. This course offers a dual credit opportunity through WKCTC. Students will complete College Algebra first semester and Trigonometry during the second semester.
### MATHEMATICS

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<tr>
<th>9th grade</th>
<th>10th grade</th>
<th>11th grade</th>
<th>12th grade</th>
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<tbody>
<tr>
<td>Alg. 1 Intervention &amp; Alg. 1</td>
<td>Geometry</td>
<td>Algebra II</td>
<td>Algebra II or Algebra III</td>
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<td>Algebra 1 (Honors)</td>
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<td>Pre-Calculus Honors or Dual Credit</td>
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<tr>
<td>Algebra 1 Plus (Honors)</td>
<td>Geometry (Honors)</td>
<td>Algebra II (Honors)</td>
<td>AP Stats (if not already taken) Dual Credit</td>
</tr>
<tr>
<td>Geometry (Honors)</td>
<td>Algebra II (Honors)</td>
<td>Pre-Calculus (Honors)</td>
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<tr>
<td>Algebra II (Honors)</td>
<td>AP Statistics</td>
<td>Pre-Calc; AP Stats may be taken concurrently if not previously taken</td>
<td>AP Calculus AB AP Calculus BC Dual Credit</td>
</tr>
</tbody>
</table>

Required courses are Algebra I, Geometry and Algebra II. Students are required to take Math each of the four years of high school.

**AP CALCULUS BC** 270514

**GRADE: 11 - 12**

This course is for highly motivated students with thorough knowledge of algebra, geometry and trigonometry. The curriculum is determined by the College Board. Topics cover the first 2 semesters of college calculus. There will be extensive use of graphing calculators. Students scoring 3 or better on the AP exam will receive college credit for first semester calculus at any Kentucky state college or university.

**Content:** AP Calculus

**Population:** General

**AP CALCULUS AB** 270513A 270513B

**Prerequisite:** Pre-calculus Honors with an A or B

This course is for highly motivated students with thorough knowledge of algebra, geometry, and trigonometry. The curriculum is determined by the College Board. Topics cover first semester college calculus including limits, differentiation, and integration, along with applications. There will be extensive use of graphing calculators. Students scoring three or better on the AP exam will receive college credit for first semester calculus at any Kentucky state college or university.

**AP STATISTICS** 270604A 270604B

**Pre-Requisite:** B or higher in Honors Algebra II

This course is designed to prepare students for the AP College Board exam. This rigorous course is equivalent to a one-semester introductory, non-calculus-based, college statistics course. Introduces the major tools for collecting, analyzing, and drawing conclusions from data. Summer assignment required. May be taken with another math course.

**MATH SUCCESS LAB** 270718A 270718B

**GRADE: 12**

1/2 or 1 credit

This course is designed for college-bound seniors who are close to meeting the college-readiness benchmarks in Math (19 ACT score). The instruction will prepare seniors to successfully meet college standards on the ACT or on the COMPASS test which is used by colleges for English course placement. Meeting the minimum standards on one of these tests means saving time and money by not having to take non-credit remedial classes. If a senior succeeds on one of these tests during the fall semester, then he or she will be allowed to change to another elective for the spring semester.
Navy Junior ROTC is an elective course at Paducah Tilghman and is involved in “Building Better Citizens.” We stress community and school involvement. There is no military obligation from being involved in our program. However, those interested in possibly joining the military will gain invaluable experience in dress and appearance, drill and leadership training. Those deciding to enter the military in the future may begin their service at a higher rank for having naval science credits. Career Ready.

NAVAL SCIENCE I  580310NS1A  580310NS1B
This course introduces students to the essentials of citizenship, the elements of leadership, and the academics in achieving life goals; creates an appreciation for the heritage and traditions of America, with recognition that the U.S. Navy historically played a significant role in America’s future. Develop a growing sense of pride in the organizational environment, associates, and self. These elements are designed to prepare the student for life after high school. Students participate in a physical fitness program and learn military drill. Cadets are required to wear a uniform once per week and adhere to the U.S. Navy grooming regulations. Males may be required to have their hair cut if it does not meet the established standards.

NAVAL SCIENCE II  580310NS2A  580310NS2B
This course covers naval history from the importance of sea control and how sea power influenced the growth of early Western Civilization to the present. Includes the American Revolution, the growth of American sea power through the War of 1812, the Civil War, and America’s growth through World Wars I and II, Korean conflict, Vietnam, and today. Students participate in a physical fitness program and learn military drill. Cadets are required to wear a uniform once a week and adhere to the U.S. Navy grooming regulations. Males may be required to have their hair cut if it does not meet the established standards.

NAVAL SCIENCE III  580310NS3A  580310NS3B
This course broadens the understanding of students in the operative principles of the military. Topics include the structure of the navy, military law, how ships are built, the types and functions of various ships and aircraft, weapons systems, navigation, watch standing, and communications. Students participate in a physical fitness program and learn military drill. Cadets are required to wear a uniform once a week and adhere to the U.S. Navy grooming regulations. Males may be required to have their hair cut if it does not meet the established standards.

NAVAL SCIENCE IV  580310NS4A  580310NS4B
This course is focused solely on practical leadership to assist the senior in understanding leadership and functional living in life following graduation. Topics covered include leadership types and traits, effective communications, functioning well in the workplace, getting and maintaining employment, and job interviews. Students participate in a physical fitness program and learn military drill. Cadets are required to wear a uniform once a week and adhere to the U.S. Navy grooming regulations. Males may be required to have their hair cut if it does not meet the established standards.

ADVANCED DRILL  580310NDA  580310NDB
Prerequisite: Completion of Naval Science-1 and instructor approval.
This course introduces students to the advanced skills of military drill. This includes unarmored and armed exhibitions, honor and color guard presentations, academic competitions, ACT online test preparation, and air rifle competitions while focusing on elements of leadership and achieving life goals. This class is for serious military drill members only and is not designed for the typical student.

P.T.H.S.

Prepare to Learn
■ Get plenty of sleep.
■ Eat a healthy breakfast.
■ Bring required materials to class.
■ Be present and on time.

Take Responsibility
■ Make an effort on all your work.
■ Ask questions if you don’t understand.
■ Pay attention in class.
■ Be an active participant in class; take notes.

Honor the Rules
■ Speak quietly in class and in the halls.
■ Conduct yourself appropriately in class and in the halls.
■ Wear your clothing in an appropriate manner.
■ Wear your badge in an appropriate manner.

Show Respect
■ Be courteous and respectful to everyone.
■ Be honest in your actions.
■ Remember that everyone has feelings.
■ Remember that every person has a right to learn.
The goal of the science department is to develop scientific inquiry skills in our students. A scientific calculator is required for chemistry and physics.

**INTEGRATED SCIENCE I**

**GRADE: 9**

Prerequisite: None

This course is an overview of physics, earth/space science. Introduces motions and forces, conservation of energy, interactions of energy and matter, geochemical cycles and ongoing changes of earth systems and the universe.

**BIOLOGY 93 (HONORS)**

Prerequisite: A/B in Middle School science, or teacher recommendation. STAR Reading > 891

This course is taught with the dual purpose of preparing students for the Biology EOC and AP Biology. Topics include scientific inquiry, biological chemistry, ecology, cellular biology, genetics, evolution, taxonomy, and human body systems.

**BIOLOGY 102**

Prerequisite: Integrated Science I

This course is taught with the purpose of preparing students for the Biology EOC. Topics include scientific inquiry, biological chemistry, ecology, cellular biology, genetics, evolution, taxonomy, and human body systems.

**INTEGRATED SCIENCE II**

**GRADES: 11-12**

Prerequisites: Integrated Science I and Biology 102.

This course emphasizes chemistry. Topics will include structure of the atom, chemical bonding, chemical reactions, chemical & physical properties. Lab included.

**AP BIOLOGY**

Prerequisite: Honors biology and honors chemistry. AP Biology is equivalent to a first-year college course in molecular biology, biochemistry, DNA technology, genetics, evolution, taxonomy, anatomy, physiology, and advanced ecology. Beneficial for college-bound student interested in science or medical fields. Required reading and assignments during summer and school breaks.

**CHEMISTRY 112**

**GRADES: 10-11**

Prerequisite: Honors Biology or Biology 102 with teacher recommendation.

This course explores general principles in atomic and molecular theories, periodic classification of elements, chemical bonding, properties of gases, liquids, solids, chemical reactivity and stoichiometry. Labs included. Meets college requirements.

**CHEMISTRY 113 (HONORS)**

**GRADES: 10-11**

Prerequisite: A or B in Honors Biology and teacher recommendation.

This course covers college level topics and lab experiences equivalent to first semester college chemistry course. Rigorous preparation for Advanced Placement Chemistry with topics including atomic structure, periodic law, molecular structure and intermolecular attractions, chemical reactivity, and stoichiometry. Required summer reading and problems. Laboratory notebook and safety goggles required.

**AP CHEMISTRY**

Prerequisite: Chemistry 113 (A/B or teacher recommendation) or Chemistry 112 with teacher recommendation. Completion of Algebra II, Pre-Calculus may be taken concurrently.

This is an advanced enrichment course equivalent to a two-semester college chemistry course. Rigorous preparation for College Board exam with topics including organic structure, thermochemistry and thermodynamics, reaction rate, equilibrium systems, radiochemistry and electrochemistry. College-level textbook and laboratory experience. College Board exam in May determines possibility of college credit. Requires TI-82 graphing calculator or beyond, laboratory notebook, and safety goggles. Required reading and problems during summer and school breaks.

**PHYSICS 112**

**GRADES: 10-11**

Prerequisite: Chemistry 112/113 (C or better).

This course provides a general understanding of the physical world, including mechanics, laws and theories of physics. Basic algebra and geometry skills will be required for problem-solving. The course will be conceptual with less emphasis on higher-level math. Meets college requirements; labs supplement lectures.

**PHYSICS 113**

**GRADES: 10-11**

Prerequisite: Chemistry 113 (C or better), or teacher recommendation.

This is a pre-AP course that surveys rules of nature on which many sciences are built. Includes rigorous math and problem-solving, graph formulation and interpretation/analysis; introduces laws and theories of physics. Topics include classical mechanics, including vectors, motion, forces, energy, and conservation laws. Labs supplement lectures.

**FORENSIC SCIENCE**

Prerequisite: Completion of Biology and Chemistry/Integrated Science II with a C or higher.

Forensic science is one of the fastest growing fields in the country and is a vital part of the criminal justice system. Students will learn to process crime scenes, analyze lab data, and conduct scientific experiments. Major themes of study in this course are hair and fiber evidence, biological fluids, DNA, fingerprints and impression evidence, blood spatter analysis and crime scene investigation.
SCIENCE

INTRODUCTION TO ENGINEERING DESIGN
GRADES: 9 - 10  219901
CREDITS: 1
Students explore technology systems and Engineering processes to find out how math, science, and technology help people. Students explore 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 3D modeling software, and use an engineering notebook to document their work.

PRINCIPLES OF ENGINEERING
GRADES: 10 - 12  219902
Prerequisite: Introduction to Engineering
CREDITS: 1
Using computer modeling software, students learn the design process. They solve design problems as they develop, create, and analyze product models. Students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.
Content: Pre-Engineering
SOCIAL STUDIES

GEOGRAPHY 450707A 450707B
Grade: 10  Prerequisite: None
This course is a survey of world political, physical, and human geography with an emphasis on map skills, global issues, and the evolution of the world’s cultures. This course offered as an introduction to World History.

GOVERNMENT 451004 ECONOMICS 450601
Grade: 9  Prerequisites: None
This course introduces students to themes and concepts of American government and U.S. economy. Includes national and international policies.

WORLD CIVILIZATION 450835A 450835B
Grade: 10
This global view of the world uses the writing process, research projects, and learning events to examine all aspects of various cultures. Examines the interpretive nature and significant eras of world history; and analyzes social, political, and economic characteristics of those eras. Core content includes reading, writing, social studies, and arts/humanities.

AP WORLD HISTORY 450876A 450876B
(WORLD STUDIES) 450876A 450876B
Grade: 10  Prerequisite: By application (A or B in Eng 93 and Freshman Social Studies)
AP World History is for the student who wants the challenge of learning about world history through extensive reading, research, writing and culminating learning events. Course examines all of the major world civilizations and requires work above grade level for successful completion. Follows the AP curriculum for World Civilization and the pre-AP curriculum for English. No remediation is available. A summer reading assignment is required.

U.S. HISTORY HONORS 450879A 450879B
GRADE: 11 450879B
Prerequisite: B or above in World Civilization
This course studies of U.S. history from 1865 to the present with an emphasis on the 20th century. This class covers U.S. history content at a much faster pace and in more depth than a traditional U.S. history class. This course is taught with the purpose of preparing students for the AP US History exam and the End-of-Course exam

AMERICAN STUDIES 450814A 450814B
GRADE: 11
(AP U.S. History/AP Literature)
Prerequisite: A or B in AP World Studies and Teacher Recommendation
This course is for academically-accelerated juniors. Combines literature, writing, music, philosophy, U.S. history. Students may nominate themselves, but past high achievement and interest in scholarship are required. Selection based on grades, test scores, teacher recommendation. Part of two-hour class/credit; in conjunction with AP U.S. History. No remediation available. Summer reading assignment required.

AP EUROPEAN HISTORY 450844A 450844B
GRADE: 12 450844B
Prerequisite: Teacher Recommendation
This is an intensive study of European history and its effect on the rest of the world from approximately 1450 to the present. Writing assignments are mostly essays and evaluations of original sources. By passing the AP examination in May, students may earn college credit. Summer assignment required. Dual credit offered through WKCTC.

AP HUMAN GEOGRAPHY 450712A 450712B
Grade: 9 (others with permission)
Prerequisite: Identified GT students with minimum Star score of >891 and teacher permission.
The purpose of the AP course in Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use and alteration of the Earth’s surface. Students employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. To receive college credit the student must successfully complete the three-hour AP exam given nationally each spring. Each college or university decides its successful examination score. Minimum test scores and teacher recommendation required.

PSYCHOLOGY 459901A 459901B
GRADES: 11-12 459901B
Psychology is an introduction to the basic scientific theoretical principals of human behavior. Students will be exposed to various topics in the field of psychology, including research methods, biological basics of behavior, psychological disorders and treatments, learning, memory, thinking, language, intelligence, motivation and emotion.

AP PSYCHOLOGY 459902A 459902B
GRADES: 11-12 459902B
The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principals, and phenomena associated with each of the major sub-fields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. Required summer assignment.

AFRICAN AMERICAN STUDIES 450877A 450877B
GRADES: 10-12 450877A 450877B
Credit: 1
African American History will trace the historical, political, societal, economic and cultural issues from ancient Africa through the African American experience. Emphasis will be placed on contemporary issues facing African-Americans.

LAW AND JUSTICE 451039
GRADES: 11, 12
This course is organized as Business Economics in the fall and Law and Justice in the spring. Business Econ will examine economic choices in the roles of producers, consumers, and citizens. Law and Justice is a study of civil, criminal, constitutional, and international law. Topics include interpretations of the Constitution, the Bill of Rights, Supreme Court decisions, and the U.S. criminal justice system.

GLOBAL ISSUES 451038A 451038B
GRADE: 12 451038B
This course introduces various world regions by focusing on their history, contributions, and challenges. Current events emphasized. Students will do research papers, class presentations and debates.
The Paducah Area Technology Center, located behind Paducah Tilghman High School, assists area high schools by enhancing and expanding students’ options with the following electives.

Credit can be transferred to the West Kentucky Technical College from computer-aided drafting, information technology, auto collision, welding, carpentry, health science, and cosmetology classes.

Students who are sophomores through seniors are encouraged to take these courses in two-hour blocks. They will be awarded career major and completion certificates when they successfully complete the series of courses in these areas. Students are eligible for work-based learning when they complete a career major.

**PRINCIPLES OF HEALTH SCIENCES**  
**GRADES: 10-12**  
**145170111P301**  
**Prerequisite:** Completion of freshman year  
This course is an orientation to the health care cluster covering careers in nursing, medicine, dentistry, and allied health. Develops and enhances understanding of the roles and responsibilities of each career. Communication, study, and leadership skills emphasized as student learns about the health care industry, economics, and career opportunities.

**MEDICAL TERMINOLOGY (AHS 120)**  
**GRADES: 10-12 (1/2 CREDIT)**  
**145170131P201**  
This course is an intense study of the medical language used in all health care major areas. Pronunciation, spelling, and application rules of medical terminology are included.

**EMERGENCY PROCEDURES**  
**GRADES 10-12 (1/2 CREDIT)**  
**145170141P201**  
This course is a study in cardiopulmonary resuscitation, first aid, and emergency care procedures as outlined by an approved First Aid/CRP certifying agency.

**MEDICAL NURSE AIDE MNA 170631A**  
**GRADES 11-12 170631B**  
**Prerequisite:** Principles of Health Sciences  
**Requirements:** $13 malpractice insurance; uniform/scrub suit  
This course is designed to provide knowledge and skills for nurse aides to assume the role and responsibility required in long-term care. Focuses on communication, infection control, safety, residents’ rights, and basic nursing skills. The Kentucky Medicaid Nurse Aide Curriculum Guide meets course requirements of Medicare and Medicaid regulations. Includes a minimum of 16 hours of practical application/clinical experience off campus.

**BODY STRUCTURES AND FUNCTIONS**  
**GRADES: 10-12 145170167P101**  
**Prerequisites:** Biology; 1 credit (2510)  
(Medical Terminology helpful)  
This course explores the structure and function of the human body with emphasis on normalcy. Includes interaction of all body systems in maintaining homeostasis and promotes understanding of basic human needs necessary for health maintenance. Explains basic principles of inorganic chemistry that apply to physiological processes.

**HEALTH OCCUPATIONS**  
**GRADES: 11-12 145170111P301**  
**Prerequisite:** Principles of Health Science; A/B in Biology Honors; PTHS Administrator Recommendation. GPA 3.0 or Higher  
**Class Requirements:** malpractice insurance, scrubs/uniforms, negative TB skin test.  
This is an advanced class offered at Baptist Health combining the training and course work of the MNA and Principles of Health Science classes. Students attend class in a specially designed classroom located in the Baptist Health Heart Center. Students are able to experience expanded opportunities in a hospital setting that include job shadowing, guest speakers, relationship building with health care partners, potential employment, and scholarships. Students will walk to the hospital class unless other arrangements are made according to school priority. This is a college level course that requires maturity and professional behavior at all times.

**PAINTING AND REFINISHING I, II, III**  
**GRADES: 10-12**  
**145470639P201; 145470644301**  
**Prerequisite:** Parents’ permission  
This course provides instruction in the use of lacquer, acrylic, enamel, and base coat/clear coat, refinishing products, masking procedures, preparations, and paint problems. It will be taught by demonstration and lecture.

**INTRODUCTION TO COMPUTER AIDED DRAFTING**  
**GRADES: 9-12 145480110P201**  
**Prerequisite:** None  
Introduction to Computer Aided Drafting uses computer graphic workstations in the application of fundamental principles and capabilities of CAD, basic drafting conventions, and operations. An in-depth study of computer aided drafting commands, terminology, command utilization, and skill development.

continued...
AUTOMOTIVE MAINTENANCE AND LIGHT REPAIR A, B, C 145470507P201; 145470509P302
GRADES: 10-12

This course will provide the student the opportunity to gain the technical skills and work place competencies necessary for an entry-level position as a maintenance and light repair technician. The course will cover safety, theory, and principles related to the design, operation, and servicing of automotive systems. Topics will include entry level engine repair, automatic transmissions, manual drive-trains, axles, and suspension systems.  

WELDING 480524WDA
GRADES: 10-12 480524WDB

Basic welding processes, tools, equipment, and safety. Tack welding and welder helper courses concentrate on ability to perform tack and/or spot welding for metal fabrication. Gas welding covers basic oxyfuel welding, brazing, cutting, and safety procedures. Arc cutting is designed to provide practical experience for proficiency. Additional coursework provides advanced lab opportunities.

CARPENTRY 460211B
GRADES: 10-12 460211A

Carpentry is designed to prepare students for employment in the residential and commercial construction industry. All Carpentry courses will lead to NCCER certification and provide marketable entry-level skills in the program’s area of study. This program is accredited with the NCCER, a nationally recognized training program

INTRODUCTION TO CONSTRUCTION CARPENTRY 460201A
GRADES: 10-12 460201B

2-hr course

This course provides an overview of the building materials used in construction work, including lumber, sheet materials, engineered wood products, structural concrete, and steel. Also describes the various fasteners and adhesives used in construction work. Provides a detailed description of the hand tools and portable power tools used by carpenters. Emphasis is on safe and proper operation of tools, as well as care and maintenance. Safety in the lab and on the job site is stressed. Reviews the history of the trade, describes the apprentice program, identifies career opportunities for carpentry and construction workers, and lists the responsibilities and characteristics a worker should possess.

FLOOR AND WALL FRAMING 460212A

2-HOUR COURSE 460212B

GRADES: 10-11

Pre-Requisite: Intro to Construction Carpentry

The student will practice floor framing, layout, and student construction of floor frames. Covers framing basics as well as the procedures for layout and constructing a wood floor using common lumber as well as engineered building materials. Describes the procedures for laying out and framing walls and ceilings, including roughing-in and window openings, constructing corners and partition T’s, bracing walls and ceilings, and applying sheathing.

CEILING AND ROOF FRAMING
GRADES: 10-12 460213A

2-HR COURSE 460213B

Pre-Requisite: Intro to Construction Carpentry

This course covers the various kinds of roofs and contains instructions for laying out rafters for gable roofs, hip roofs, and valley intersections, including stick-built and truss-built roofs. The emphasis on this course is on layout, cutting and installing ceiling joists, rafters, roof decking, and roof coverings.

EXTERIOR AND INTERIOR FINISH
GRADES: 10-12 460219A

2-HR COURSE 460219B

Pre-Requisite: Intro to Construction Carpentry

This course covers roof types and combinations of types used in the construction industry. The emphasis is on layout, cutting, and installing ceiling joists, rafters, roof decking, and roof coverings. The course also presents the basic concepts of interior trim, including base, ceiling, and wall moldings and window and door installation and casing. Installation of insulation, gypsum, paneling and flooring will also be included. In addition, students will perfect their skills associated with exterior finishing including the installation of vinyl siding.

PARAMETRIC MODELING GRADES: 11-12
145480136P702

Prerequisite: Intro to Computer Aided Drafting

Introduces Parametric Modeling and Design of a CAD workstation in exploring the techniques associated with drafting and design using parametric modeling software. Introduces creation of parametric models and explores associative function and flexibility of concurrent part design as well as using a state of the art 3D printer to print 3D design prototypes.

ENGINEERING GRAPHICS GRADES: 11-12
145480113P401

Prerequisite: Intro to Computer Aided Drafting

Engineering Graphics includes exploration of lines and planes as they relate to orthographic projection to show the size and shape of objects. Engineering Graphics also includes application of principles and graphic elements of sectioning to show interior detail; the techniques involved in creating oblique projections, axonometric projections, and perspective drawings; and, the dimensioning techniques and symbol usage common to all drafting disciplines.
REQUIRED TESTING

QUALITY CORE END OF COURSE TESTS
Biology, Algebra 2, 10th Grade English, U.S. History

10th Grade: PLAN, On-Demand Writing
11th Grade: ACT, On-Demand Writing
12th Grade: If not meeting College-Readiness Benchmark, the COMPASS, KYOTE and ASVAB will be required. KOSSA and Work Keys testing will be required for Seniors enrolled in any class at the Paducah Area Technical Center.

OPTIONAL TESTING
Sophomores, Juniors: PSAT
Juniors, Seniors: ASVAB

PARENT PORTAL TO INFINITE CAMPUS
https://central.infinitecampus.kyschools.us/campus/portal/paducah.jsp

USING THE ACTIVATION KEY TO CREATE USERNAMES AND PASSWORDS

The Activation Key is only needed the first time the user accesses the portal. After that, the activation key will not work, and the username that was created should be used to log into the portal.

1. Go to the Portal Login page.
   https://central.infinitecampus.kyschools.us/campus/portal/paducah.jsp

2. Click on the orange HELP box on the right hand of the screen. It says- if you have been assigned a Campus Portal Activation Key- choose click here. Enter the 32 character activation key provided. You can obtain this from the school registrar.

3. Click the Submit button. The activation key will be verified and when approved will display a screen to create the User Name and Password.

4. Enter a User Name. It is best to use an alphanumeric (letters and numbers) user name. User names are not case sensitive.

5. Enter a password. Again, it is best to use an alphanumeric (letters and numbers) password that is at least (6) characters long. The password is case sensitive.

6. Enter the password a second time in the Verify Password field.

7. Click the Create Account button. This will create the username and password. The username and password will be verified, and upon approval, the portal account will be created. Use the Click Here link on the account creation page to enter the user name and password to access the Portal.

SUBSEQUENT PORTAL ACCESS
After the activation key has been used to create a portal account, it will no longer be valid. Users will subsequently log into the Campus Portal using their unique User Name and Password.
### CAREER PATHWAYS

<table>
<thead>
<tr>
<th>Program Name:</th>
<th>Career Pathway</th>
<th>Certifications</th>
<th>Additional Information</th>
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<tbody>
<tr>
<td>Auto Body (Collision Repair)</td>
<td>Auto Body</td>
<td>KOSSA-(Transportation) ASEA-(Automotive Service Excellence)</td>
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<tr>
<td>Auto Tech</td>
<td>Auto Tech</td>
<td>KOSSA-(Transportation) ASEA-(Automotive Service Excellence)</td>
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<td>Business</td>
<td>Accounting</td>
<td>KOSSA-(Accounting) ASEA-(Automotive Service Excellence)</td>
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<tr>
<td>Carpentary</td>
<td>Carpentry</td>
<td>KOSSA-(Construction) NCCER-(National Center for Construction Education and Research)</td>
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<td>CAD</td>
<td>CAD (Computer Aided Drafting &amp; Design)</td>
<td>KOSSA-(Communication) Autodesk Certified User Autodesk Inventor Certified User Autodesk Revit Certified User Certified Solid Works Associate</td>
<td>None</td>
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<td>Family Consumer Science</td>
<td>Hospitality Services</td>
<td>KOSSA-(Hospitality) Safe Serv</td>
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<tr>
<td>Health Science</td>
<td>Allied Health Pharmacy Tech Pre-Nursing</td>
<td>KOSSA-(Allied Health) Pharmacy Technician MNA/CNA-(Certified Nurse Assistant)</td>
<td>GPA 2.5 GPA 3.0 GPA 2.5</td>
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<tr>
<td>ROTC</td>
<td>ROTC/Military</td>
<td>None</td>
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</tbody>
</table>

### SBDM POLICY

All students must choose a career pathway by the end of their sophomore year in order to prepare to be college and/or career ready by their graduation date.
Senate Bill 1 was signed into law by the Governor in 2009 and has made important changes to teaching and learning in Kentucky. One of the biggest changes is that now all high school graduates are expected to be College-Ready, Career-Ready, or both. These goals are vital for students to succeed after high school. Students who attain College Readiness status will not have to pay for and complete non-credit remedial are more likely to find a high-paying job after high school. The criteria for becoming College and Career Ready are outlined below.

**COLLEGE READY**
Meet benchmarks in one of the following:

**ACT** (3 required scores)
- English - 18
- Math - 19
- Reading - 20
- or COMPASS**
- or KYOTE**

**CAREER READY**
Must meet benchmarks on ONE from EACH of the following columns:

- Career-Ready Academic
- ASVAB**
- or Work Keys***
- or Industry Certificate

**COLLEGE AND CAREER READY**
Must meet benchmarks on ONE from EACH of the following columns:

- College-Ready Academic
  - ACT
  - or COMPASS
  - or KYOTE
- Career-Ready Technical
  - KOSSA***
  - or Industry Certificate

* administered at PTHS in March to all juniors
** appropriate seniors will be tested at PTHS
*** given by Paducah ATC to seniors enrolled in vocational classes

In addition to the March ACT test, which is mandatory for all juniors, students may choose to sign up for an additional testing date. To register online, go to www.actstudent.org.

**Test dates are:**
- September 10, 2016
- December 10, 2016
- April 8, 2017
- October 22, 2016
- February 11, 2017*
- June 10, 2017
Kentucky Educational Excellence Scholarship

Since 1998, KEES has provided graduates of Kentucky high schools with a great opportunity to help fund the cost of college in Kentucky. KEES is administered by the Kentucky Higher Education Assistance Authority. The better students do in high school, the more they will earn toward college scholarships. You do not have to apply for a KEES award. It is automatically sent to the college the student is attending after the school lets KHEAA know that he or she is attending classes.

Students who try to get the most out of high school by studying hard and making good grades (2.5 GPA or higher) can earn scholarships for college or technical school as outlined below. For instance, a high school freshman who earns a 3.5 GPA would have a $375 scholarship for each year of college. Amounts may change based on available funds.

For more details on the KEES program, please visit the KHEAA website at: www.kheaa.com.
2016-2017 SCHOOL YEAR CALENDAR

Opening Date (No Students) .................. Aug. 9, 2016
First Day for Students ....................... Aug. 10, 2016
District Mandated Professional Development Day (No Students) ........... Sep. 2, 2016
Labor Day Holiday (No School) ................ Sep. 5, 2016
Fall Break (No School) ....................... Oct. 3-7, 2016
Pimary Election Day (No School- All Offices Closed) . Nov. 8, 2016
Thanksgiving Break (No School) ............ Nov. 23-25, 2016
New Year’s Break (No School) .............. Jan. 2, 2017
Martin Luther King, Jr. Holiday ............. Jan. 16, 2017
Flexible Professional Development Day (No Students) . Feb. 10, 2017
Presidents’ Day (No School) 
(Alternate Instructional Make Up Day) ........ Feb. 20, 2017
Flexible Professional Development Day (No Students) . Mar. 10, 2017
Spring Break .................................. Apr. 3-7, 2017
Last Day for Students ....................... May 23, 2017
Closing Day (No Students) .................. May 24, 2017
Inclement Weather Make up Days ........ May 25-31, 2017
Memorial Day (All Offices Closed) ........ May 29, 2017
Inclement Weather Make up Days ........ June 1-14, 2017

Totals: 176 Instructional Days, 187 Teacher Contract Days
### A.P. Sample Schedule

<table>
<thead>
<tr>
<th>Grade</th>
<th>9th</th>
<th>10th</th>
<th>11th</th>
<th>12th</th>
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<tbody>
<tr>
<td></td>
<td>Health/PE</td>
<td>AP World History</td>
<td>AP English (Am Studies)</td>
<td>AP English Composition</td>
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<tr>
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<td>English 93</td>
<td>Pre-AP Lit and Comp</td>
<td>AP US History (Am Studies)</td>
<td>AP European/AP Govt</td>
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<td>Biology 93</td>
<td>Chemistry 113</td>
<td>Physics 113</td>
<td>AP Biology or AP Chemistry</td>
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<td>Geometry Honors</td>
<td>Digital Literacy</td>
<td>Pre-Calculus Honors</td>
<td>AP Calculus or AP Statistics</td>
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<td>AP Human Geography</td>
<td>Algebra II Honors</td>
<td>AP Biology or AP Chemistry</td>
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### Honors Sample Schedule

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<tbody>
<tr>
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<td>Health/PE</td>
<td>English 103</td>
<td>English 113</td>
<td>English 123</td>
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<td>English 93</td>
<td>Chemistry 112/113</td>
<td>US History Honors</td>
<td>AP European/AP Govt</td>
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<td>Biology 93</td>
<td>Algebra II Honors</td>
<td>Pre-Calculus Honors</td>
<td>MAT 150 &amp; MAT 155</td>
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<td>Geometry Honors</td>
<td>World Civilization</td>
<td>Physics 112/113</td>
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### Career-Ready Sample Schedule

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<tr>
<td></td>
<td>Health/PE</td>
<td>English 102</td>
<td>English 112</td>
<td>English 122</td>
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<td>English 92</td>
<td>World Civilization or Geography</td>
<td>US History</td>
<td>Success Lab</td>
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<td>ICP-1 Science</td>
<td>Biology 102</td>
<td>ICP-2 Science</td>
<td>Forensic Science</td>
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<td>Algebra I</td>
<td>Geometry</td>
<td>Algebra 1.5 or Algebra II</td>
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<td>Digital Literacy</td>
<td>Foreign Language</td>
<td>Foreign Language</td>
<td>Advanced Computer Apps</td>
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<td>Economics/Government</td>
<td>Music/Art Elective</td>
<td>Vocational School</td>
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<td>Department</td>
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<tr>
<td>Main Office Secretary</td>
<td>Diana Sample</td>
<td>ext. 2310</td>
<td></td>
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<tr>
<td>Principal</td>
<td>Art Davis</td>
<td>ext. 2000</td>
<td></td>
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<tr>
<td>Asst. Principal / Dean</td>
<td>Allison Stieg</td>
<td>ext. 2301</td>
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<tr>
<td>Asst. Principal / Curriculum &amp; Instruction</td>
<td>Jonathan Smith</td>
<td>ext. 2302</td>
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<tr>
<td>Dean’s Secretary - Attendance</td>
<td>Diana Sample</td>
<td>ext. 2310</td>
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<tr>
<td>Business Office</td>
<td>Heather Hamilton</td>
<td>ext. 2306</td>
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<tr>
<td>School Resource Officer</td>
<td>Marvin Nunn</td>
<td>ext. 2324</td>
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<tr>
<td>Athletic Director / Assistant Principal</td>
<td>Kristopher Durfee</td>
<td>ext. 2320</td>
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<tr>
<td>Nurse</td>
<td>Alex Worthy</td>
<td>ext. 2312</td>
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<tr>
<td>Guidance - Secretary</td>
<td>Deborah Walton</td>
<td>ext. 2307</td>
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<tr>
<td>Counselor</td>
<td>Rebecca Rogers</td>
<td>ext. 2303</td>
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<tr>
<td>Counselor</td>
<td>Jonathan Durr</td>
<td>ext. 2304</td>
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<td>Registrar</td>
<td>Minerva Neihoff</td>
<td>ext. 2305</td>
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<td>Career Planner</td>
<td>Chris Johnson</td>
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<tr>
<td>Tornado Alley</td>
<td>Lakilia Bedeau</td>
<td>ext. 2100</td>
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</tr>
</tbody>
</table>

E-mail: first name, a dot, and last name plus @paducah.kyschools.us
E-mail example: art.davis@paducah.kyschools.us