2019-2020

PROGRAM OF STUDIES
Topeka Public Schools
624 SW 24th Street
Topeka, KS 66611
785-295-3000

Topeka Public School’s Mission

Engage students in the highest quality learning.
Prepare students for responsible, productive citizenship.
Inspire excellence for a lifetime.

The Online Version of the Program of Studies is the most up-to-date version.

The Topeka Public Schools, Unified School District No. 501 is committed to affirmative action and equal opportunity. No person shall, on the basis of age, race, color, creed, religion, sex, sexual orientation, gender, gender identity or expression, disability, national origin or ancestry be denied lawful access to any appropriate educational service, program or activity provided by the school district. The Title VI and Title IX compliance coordinator is the Assistant Superintendent for Teaching/Learning/Administration. The Section 504/Title II compliance coordinator is the Coordinator of College and Career Ready Services. For employment, the EEO/AA officer is the general director of human resources. All compliance coordinators may be contacted at 624 SW 24th Street, Topeka, KS 66611-1294, (785) 295-3000. The clerk of the Board of Education has been designated to receive and redirect or handle inquiries regarding nondiscrimination policies, regulations and procedures. The clerk may be contacted by calling (785) 295-3045 or by writing to 624 SW 24th Street, Topeka, KS 66611-1294.
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TOPEKA CENTER FOR ADVANCED LEARNING AND CAREERS (TCALC)
USD 501, Topeka Public Schools

The Topeka Center for Advanced Learning and Careers (TCALC) is an innovative high school program created in partnership with business and industry concentrating in four strands: Engineering and Advanced Manufacturing; Bioscience & Biomedical; Business, and Human Services. The Center is all about students solving real problems, with real tools used by real professional(s), being mentored by real employers, leading to real contributions in the professional area.

Students enrolled in the Topeka Center for Advanced Learning and Careers Program, fast forward into their future as if they already have a college degree and are fully immersed in a professional culture. Students use industry standard tools which lead to substantial advanced contribution during the formative high school years. Students learn from global and local leaders, such as Westar Energy, Valeo Behavioral Health, Stormont Vail, and Meals on Wheels who have chosen to partner with the district and share the program’s commitment to educate the future leaders of America. The Center is an example of how business, community and public education can partner to produce personalized learning experiences that educate the needed workforce of tomorrow, especially in high skill, high demand jobs. Early career professional skills like project management, business ethics, time management, teamwork, creativity and instructed, role modeled and measured.

TCALC is not a vocational program. The Topeka Center for Advanced Learning and Careers provides students the opportunity to deeply explore professions of high interest through a profession-based, inquiry-based learning method. Local and global business partners participate with highly skilled instructors to provide authentic exposure and skill acquisition in high demand/high skill 21st century professions.

Requirements for Enrollment:
1. Attained junior or senior status and on-track towards graduation
2. Desire to work in a profession-based real world environment with other TPS high school students
3. Be willing to comply with business ethics (e.g. attendance) and dress codes as determined by the type of TCALC study they are involved in
4. Be willing to spend 2.5 hours a day (morning or afternoon) away from their home high school; 7:55 AM to 10:25 AM or 12:30 PM to 3 PM.
5. Be able to coordinate transportation either through the district or personally to TCALC sites and business partnership sites.

Types of Strands and Courses Offered:
TCALC is driven by the changing workforce needs of industry, therefore instructors and TCALC Business Partners co-author all coursework. TCALC curriculum is dynamic, constantly evolving to follow industry trends and market changes using a copyrighted rapid prototyping curriculum development process. TCALC Pathways include:
· Architecture, Design, and Construction Technology
· Baking & Pastry Arts Management
· Computer Science
· Digital Media
· Emergency & Fire Management
· Engineering & Applied Math
· Law & Public Safety
· Green Energy & Environmental Science
· Medical Professions
· Sports Medicine
· Teaching as a Profession
· Web & Digital Communications

TRANSPORTATION
Transportation may be provided in the morning and afternoon for students enrolled in the TCALC Program, Monday through Friday, from their home high school to TCALC. A bus will pick up and return students from the program and be able to attend the last or first 4 hours at their home high school. Students are required to provide transportation to and from internships, business projects, or observations.
### Graduation Requirements & Kansas Board of Regents Curriculum

<table>
<thead>
<tr>
<th>Subject Area</th>
<th>TPS Graduation Requirements</th>
<th>Kansas Regents Qualified Admission Curriculum*</th>
<th>Kansas Scholars Curriculum</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Language Arts</strong></td>
<td>4 Credits</td>
<td>4 Credits*</td>
<td>4 Credits</td>
</tr>
<tr>
<td></td>
<td>1.0 English 9/ Pre-AP English 9</td>
<td>1.0 credit each year (.5 credit may be speech)</td>
<td>Same as Qualified Admission Curriculum</td>
</tr>
<tr>
<td></td>
<td>1.0 English 10/ Pre-AP English 10</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1.0 English 11/ AP Lang &amp; Comp</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>.5 Speech/College Speech/ Debate/ Forensics/ Acting/ Applied Communication/21st Century Global Communications</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>.5 English Language Arts Elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Mathematics</strong></td>
<td>3 Credits</td>
<td>3 Credits*</td>
<td>4 Credits</td>
</tr>
<tr>
<td></td>
<td>3 credits, including Geometry</td>
<td>3 credits at or above Algebra 1 taken during 9-12 grades AND students must score a 22 in Math on the ACT OR 4 Credits* 4 credits at or above Algebra 1 taken during 9-12 grades with one taken in the graduating year.</td>
<td>1.0 Algebra 1* 1.0 Geometry 1.0 Algebra 2 1.0 credit beyond Algebra 2 *Algebra taken in the 8th grade is accepted.</td>
</tr>
<tr>
<td><strong>Science</strong></td>
<td>3 Credits</td>
<td>3 Credits</td>
<td>3 Credits</td>
</tr>
<tr>
<td></td>
<td>1.0 Biology/Honors Biology</td>
<td>1.0 Must be Chemistry or Physics</td>
<td>1.0 Biology 1.0 Chemistry 1.0 Physics</td>
</tr>
<tr>
<td><strong>Social Studies</strong></td>
<td>3 Credits</td>
<td>3 Credits*</td>
<td>3 Credits</td>
</tr>
<tr>
<td></td>
<td>1.0 World History/ Honors World History</td>
<td>1.0 World History/ Honors World History 1.0 US History 1 &amp; 2 or College History 1 &amp; 2 or AP US History 1 and 2 .5 US Government/ AP Government .5 Social Studies Elective</td>
<td>1.0 World History/ Honors World History 1.0 US History 1 &amp; 2 or College History 1 &amp; 2 or AP US History 1 and 2 .5 US Government/ AP Government .5 Social Studies Elective</td>
</tr>
<tr>
<td></td>
<td>1.0 US History 1 &amp; 2 or College History 1 &amp; 2 or AP US History 1 and 2 .5 US Government/ AP Government .5 Social Studies Elective</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>.5 US Government/ AP Government</td>
<td>5 Social Studies Elective</td>
<td>5 Social Studies Elective</td>
</tr>
<tr>
<td><strong>World Language</strong></td>
<td><strong>2 Credits</strong></td>
<td>(Same Language)</td>
<td></td>
</tr>
<tr>
<td><strong>Physical Education</strong></td>
<td>1 Credit</td>
<td>1.0 Physical Dimensions of Health</td>
<td></td>
</tr>
<tr>
<td><strong>Fine Arts</strong></td>
<td>1 Credit</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Financial Literacy</strong></td>
<td><strong>5 Credit</strong></td>
<td>Consumer &amp; Personal Finance or Economics or Entrepreneurship</td>
<td></td>
</tr>
<tr>
<td><strong>Elective Credits</strong></td>
<td><strong>8.5 Credits</strong></td>
<td>Decisions about additional electives coursework should be guided by the student’s chosen career cluster and pathway.</td>
<td>3 Approved Units</td>
</tr>
</tbody>
</table>

**Enrollment Requirements**

Students must be enrolled in a full schedule each year. Seniors may seek approval for a condensed schedule second semester.

**Kansas Qualified Admissions**

If you are a Kansas resident who will graduate from an accredited high school during the 2016-2017 academic year or later, you can guarantee admission to Fort Hays State University, Pittsburg State University, Wichita State University, Emporia State University, and Kansas State University by completing the Qualified Admissions or Kansas Scholars curriculum and the following:

- 2.0 GPA in the Kansas Qualified Admissions curriculum AND
- ACT score of at least 21; OR
- SAT score of at least 980; OR
- Graduate in the top 1/3rd of your class
University of Kansas requires completion of the Qualified Admissions or Kansas Scholars curriculum and the following:

- 2.0+ GPA in the Kansas Qualified Admissions curriculum and
- 3.0+ overall GPA and 24+ ACT (1090+ SAT) or
- 3.25+ overall GPA and 21+ ACT (980+ SAT)
- If applicable, achieve a 2.0 GPA or higher on any college credit taken in high school

**GRADE CLASSIFICATIONS**

Topeka Public Schools’ grade advancement policy is based upon the current requirement that a student earn 24 credits in order to graduate. A credit is earned for each subject carried successfully for a school year or the equivalent. The policy follows:

<table>
<thead>
<tr>
<th>Classification</th>
<th>Credits Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate</td>
<td>24 or more</td>
</tr>
<tr>
<td>Senior</td>
<td>17</td>
</tr>
<tr>
<td>Junior</td>
<td>12</td>
</tr>
<tr>
<td>Sophomore</td>
<td>6</td>
</tr>
</tbody>
</table>

Students must earn the following number of credits to be classified per grade:

- A senior must earn twenty-four (24) credits by the end of the second semester to participate in the graduation ceremony (Appeals may be made to the building administrator.)
- A junior must earn seventeen (17) credits to be considered a senior for the next school year.
- A sophomore must earn twelve (12) credits to be considered a junior for the next school year.
- A freshman must earn six (6) credits to be considered a sophomore for the next school year.

Sometimes a second-year student will not have attained sophomore status, but is eligible for sophomore-level courses. Hence, courses are designated by year or level rather than by class status to avoid confusion about eligibility. Likewise, a third-year student who does not have enough credits to be considered a junior may enroll in junior-level courses, and a fourth-year student who does not have enough credits to be considered a senior may enroll in senior-level course.

**KANSAS STATE HIGH SCHOOL ACTIVITIES ASSOCIATION ELIGIBILITY**

In order to be eligible for Kansas State High School Activities Association (KSHSAA) events, a student must be currently passing five classes and have passed five classes the preceding semester. Some examples of KSHSAA activities are sports, cheerleading, debate, music, and dance team.

**NATIONAL COLLEGIATE ATHLETIC ASSOCIATION (NCAA) ELIGIBILITY**

If a student wants to participate in Division I or Division II sports, start the certification process early, usually by the end of the junior year.

In general, to be certified a student must:

- Beginning August 1, 2016, NCAA Division I will require 10 core courses to be completed prior to the seventh semester (seven of the 10 must be a combination of English, math or natural or physical science.)
● Present a required grade-point average in core courses.
● Present a required score on ACT or SAT assessments.
● Complete the core courses listed below:
● Graduate from high school.

<table>
<thead>
<tr>
<th>DIVISION I 16 Core-Course Rule</th>
<th>DIVISION II 16 Core-Course Rule</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 Years of English</td>
<td>3 Years of English</td>
</tr>
<tr>
<td>3 Years of Mathematics (Algebra I or higher)</td>
<td>2 Years of Mathematics (Algebra I or higher)</td>
</tr>
<tr>
<td>2 Years of natural/physical science (1 year of lab, if offered by high school)</td>
<td>2 Years of natural/physical science (1 year of lab, if offered by high school)</td>
</tr>
<tr>
<td>1 Year of additional English, mathematics or natural/physical science</td>
<td>3 Years of additional English, mathematics or natural/physical science</td>
</tr>
<tr>
<td>2 Years of social science</td>
<td>2 Years of social science</td>
</tr>
<tr>
<td>4 Years of additional courses (approved electives)</td>
<td>4 Years of additional courses (approved electives)</td>
</tr>
</tbody>
</table>

**HONORS, PRE-ADVANCED PLACEMENT, AND ADVANCED PLACEMENT CLASSES**

Topeka Public Schools promotes an Advanced Placement (AP) program of studies that encourages equitable access for all students, reflecting the diversity of our district. Advanced Placement students will engage in academically rigorous coursework that challenges their thinking and prepares them for success in a wide variety of postsecondary experiences.

In order to achieve success, Advanced Placement students will experience the following opportunities:

- a teacher trained in Advanced Placement methodology, whose instructional practices are aligned to expectations from the College Board.
- opportunities for additional support in Advanced Placement coursework;
- the rigor and atmosphere of a college level exam; and
- Enrichment activities that encourage and promote the pursuit of a postsecondary education.

The AP curriculum prepares students to take the AP examination (for a fee) for college credit. Students whose test scores are considered acceptable on the AP exam usually receive college credit and/or advanced placement in the course for which they tested. It is possible to take an AP exam without having enrolled in an AP course.

Honors and Pre-AP levels of required courses demand from student’s additional reading and writing, strong critical thinking and analysis skills, and real proficiency in the subject.

For more information on the rewards of Advanced Placement Courses see [College Board](https://www.collegeboard.org). 

**CONCURRENT ENROLLMENT WITH WASHBURN UNIVERSITY**

TOPEKA PUBLIC SCHOOLS REGULATION 6150-4

1. Students wishing to take a college course shall make this request to the building principal the semester prior to enrollment in the course.
2. Students may enroll in a college course if that course is not offered at their attendance center or if the building principal grants an exception.
3. Dual credit may be approved by the building principal for college courses taken at an accredited institution. Credit shall be shown on the high school transcript as credit or no credit. This credit/no credit is to be in accordance with all provisions in Administrative Regulation No. 6150-1. College courses shall not be used in the calculation of the student's high school grade point average.

4. One-half (.5) high school credit may be awarded for successful completion of at least a three-hour credit college course. No more than one-half (.5) high school credit will be awarded per semester for college-level courses.

5. The building principal will have the responsibility for approving.

Topeka Public Schools and Washburn University (WU)

The goal of concurrent enrollment is to enhance the transition from high school to college by providing eligible students the option of earning WU academic credit at a reduced tuition rate for the successful completion of a select group of courses. The dual credit courses are limited to juniors and seniors who have at least a 3.0 cumulative high school GPA. Additionally, students enrolling in College Algebra must either score 22 on the ACT Math Exam or the equivalent score on the COMPASS Math Test. Courses offered for concurrent credit are:

Concurrent Enrollment Partnership (CEP) Courses

These courses are taught at the participating high schools during the regular school day and have the same requirements as the courses taught on the Washburn University campus. The courses vary by high school. A CEP program orientation and registration session is held at each high school in both the fall and spring. Students should contact the program liaison at their high school for specific times, dates, and course information.

Washburn Institute of Technology (Washburn Tech)

Topeka Public Schools pays tuition at Washburn Institute of Technology (Washburn Tech) for current high school juniors and seniors in the district. Topeka Public School students attend Washburn Tech on a part-time basis, approximately a half-day schedule. Bus transportation is provided. Based on enrollment requirements for the program of interest, seniors only may attend full time second-semester. Students who successfully complete a half-day schedule (a.m. or p.m.) of courses at Washburn Tech during a semester earn 2.0 credits at their home high school.

Enrollment Procedure

Enrollment is open to qualified students who are currently enrolled in high school. High school students who wish to enroll in a technical program at Washburn Institute of Technology must follow the procedures listed below.

1. Take the Admissions Test (free while in high school) either at Washburn Institute of Technology or their home high school (when available).
2. Complete an online application at http://www.washburntech.edu/admissions/apply.html
3. Discuss scores and program of interest with an Admissions Counselor.
4. Submit an in-progress official high school transcript.
5. Enroll during designated enrollment periods. A $20.00 enrollment fee is required at the time of registration to reserve placement in desired program. Program registration is done on a first come, first serve basis. Many programs have limited enrollment capacity and/or are competitive programs. Admissions Counselors can provide program specific information.

Transportation to Washburn Tech and HealthCare Technology at HPHS:
Bus transportation is provided for juniors and seniors enrolled in courses at Washburn Institute of Technology, Monday through Friday. Buses will transport students in the morning and afternoon from each high school. Students are not limited to morning or afternoon sessions while attending Washburn Tech.

Health Care Technology Course offered by Washburn Tech has bus transportation from each home high school to HPHS as well as the return trip. In addition, bus transportation is provided from the high school to the clinical site required by the course.

**Post-Secondary Courses and Eligibility**

Students desiring to enroll in college courses and participate in Kansas High School Activity Association sanctioned activities must adhere to the following guidelines, as well as the Dual Credit policy.

- A 3-credit college course is counted as one high school 0.5 credit course.
- A 5-credit college course is counted as two high school 0.5 credit courses.
- A student must enroll in a minimum of 3 high school 0.5 credit courses along with sufficient college courses to meet the 5 class eligibility ruling.

Examples:

- Three 0.5 credit classes at a high school and one 5-credit college course
- Three 0.5 credit classes at a high school and two 3-credit college courses
- Four 0.5 credit classes at a high school and one 3-credit college courses

**Credit/No Credit Options for High School Students**

**Topeka Public Schools Regulation 6150-1**

A. All students who are enrolled in the district-approved minimum course load (or more) may elect one of those subjects each semester on a credit/no credit basis. EXCEPTION: Any senior may elect one subject on a credit/no credit basis either semester without being enrolled in the district-approved minimum course load.

B. A maximum of three (3) credits taken on the credit/no credit plan will be counted toward graduation.

C. Students electing a subject on a credit/no credit basis will have the same attendance and academic requirements as all other students enrolled in the subject. The minimum Standard for the lowest passing grade will be the determining factor for credit in the course.

D. Students electing this option will be required to indicate their decision, in writing, not later than the sixth week of the semester. A form for this request will be provided. Parental consent must be given and will be so indicated by the parent's signature on the request form.

E. The entry on the student's transcript will be indicated as "credit" or "no credit" with appropriate credit noted and will not be counted in computing the student's grade point average.

F. Once the student has declared a subject to be taken on the credit/no credit basis, the decision is irrevocable.

*Note: The Kansas Board of Regents Curriculum does not recognize credit/no credit. The NCAA Eligibility Center will compute credit/no credit as a “D.”

The deadline for requesting Credit/No Credit is the end of the sixth week of the semester.

**Weighted Courses and Grade Point Average**

Weighted grade point averages will be calculated for the following courses:

<table>
<thead>
<tr>
<th>Traditional GPA</th>
<th>Weighted GPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>A = 4 points</td>
<td>A = 5 points</td>
</tr>
<tr>
<td>B = 3 points</td>
<td>B = 4 points</td>
</tr>
<tr>
<td>C = 2 points</td>
<td>C = 3 points</td>
</tr>
<tr>
<td>D = 1 point</td>
<td>D = 2 points</td>
</tr>
<tr>
<td>F = 0 points</td>
<td>F = 0 points</td>
</tr>
</tbody>
</table>
Weighted grade points will be assigned only to the courses listed below:

<table>
<thead>
<tr>
<th>Fine Arts</th>
<th>Language Arts</th>
</tr>
</thead>
<tbody>
<tr>
<td>4055 AP Art History</td>
<td>3656 Honors Humanities 1</td>
</tr>
<tr>
<td>4402 AP Music Theory</td>
<td>3665 Honors Humanities 2</td>
</tr>
<tr>
<td>4155 AP Studio Art</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Language Arts</th>
<th>Mathematics</th>
</tr>
</thead>
<tbody>
<tr>
<td>3742 Forensics 4</td>
<td>5185 AP Calculus AB</td>
</tr>
<tr>
<td>3545 AP Language and Composition</td>
<td>5124 Honors Algebra 2</td>
</tr>
<tr>
<td>3535 AP Literature and Composition</td>
<td>5154 Honors Geometry</td>
</tr>
<tr>
<td></td>
<td>5212 AP Statistics</td>
</tr>
<tr>
<td></td>
<td>564 AP Biology</td>
</tr>
<tr>
<td></td>
<td>5695 AP Physics 1</td>
</tr>
<tr>
<td></td>
<td>5691 AP Physics C</td>
</tr>
<tr>
<td></td>
<td>5689 AP Physics 2</td>
</tr>
<tr>
<td></td>
<td>5685 AP Chemistry</td>
</tr>
<tr>
<td></td>
<td>5644 Honors Biology</td>
</tr>
<tr>
<td></td>
<td>5660 AP Environmental Science</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Science</th>
<th>Social Studies</th>
</tr>
</thead>
<tbody>
<tr>
<td>6145 AP European History</td>
<td>6134 Honors US Government</td>
</tr>
<tr>
<td>6279 AP Psychology</td>
<td>6104 Honors World History</td>
</tr>
<tr>
<td>6129 AP US Comparative Government and Politics</td>
<td>6137 AP US History 1</td>
</tr>
<tr>
<td>6128 AP US Government and Politics</td>
<td>6138 AP US History 2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>World Language</th>
</tr>
</thead>
<tbody>
<tr>
<td>3839 Mandarin Chinese 4</td>
</tr>
<tr>
<td>3844 French 4</td>
</tr>
<tr>
<td>3847 French 5</td>
</tr>
<tr>
<td>3846 Advanced French</td>
</tr>
<tr>
<td>3854 German 4</td>
</tr>
<tr>
<td>3857 German 5</td>
</tr>
</tbody>
</table>

**Independent Study**
Independent Study is open to those who wish to study subject matter of particular interest that is not offered in the regular curriculum. Refer to course 1390 in this document. Students with a Gifted Individual Education Plan refer to course 8590. Students with an Individualized Education Plan (IEP) refer to course 8490.

The deadline for the completed application is **Nov. 15** for second semester courses and **April 15** for first semester courses. Applications are available in the counseling offices.

**Religion Program Credit**
Coursework directed specifically toward religion will not be accepted for transfer credit. Non-doctrinal religious courses may be accepted for credit.

**Home-Schooled Students**
Topeka Public Schools reserves the right to request any type of validation necessary to help us determine the appropriate course and grade placement. Examples could be homework, tests, textbook used, themes, projects, and any other materials which show the progress of the home-schooled students. Classes approved for credit within the guidelines of Topeka Public Schools policy will be entered on the transcript as a “CR” for credit or “N” for no credit. Every effort will be made to enroll homeschooled students in an appropriate course of study. Contact counselors for additional guidelines.
**Special Programs**

**Advancement Via Individual Determination – HPHS & THS**

The **AVID Student**: AVID targets students in the academic middle - B, C, and even D students - who have the desire to go to college and the willingness to work hard. These are students who are capable of completing rigorous curriculum but are falling short of their potential. Typically, they will be the first in their families to attend college, and many are from low-income or minority families. AVID pulls these students out of their other elective courses and puts them on the college track: acceleration instead of remediation.

The **AVID Elective**: AVID students are expected to enroll in honors and/or Advanced Placement®, as well as AVID Elective. AVID Elective is one period a day where students learn organizational and study skills, work on critical thinking and inquiry, get academic help from peers and college tutors, and participate in enrichment and motivational activities that make college seem attainable.

**English Language Learners - HPHS, THS & TWHS**

The ELL programs support students to speak, read, and write English in all school subjects. Services are delivered to qualifying students in one or more of the following ways:

- Enrollment in an English Language Learner (ELL) class to provide instruction in speaking, reading, and writing English, as well as assistance in the regular academic classroom
- Enrollment in an ELL content class, where the academic subject matter is provided through “sheltered” or adapted instruction to teach both English and the academic content material
- Adaptations made by teachers to make the content understandable to the ELL student
- The assistance of bilingual paraprofessionals to help make the content understandable to the ELL student
- The use of computer programs to increase the ELL student’s proficiency in English

**Topeka High School International Studies Program**

Topeka High School believes in educating our students to be college and/or career ready in a global society. An essential component of achieving this goal is educating students in Global Literacy including critical thinking in a conscious and deliberate way and problem solving on a global scale to be responsible global citizens.

Topeka High School has created an International Studies Program that will provide our students with the essential 21st Century Skill of Global Literacy. This program allows students to take coursework that will provide global engagement in such areas as world geography, international studies, international business, ethnic studies, humanities, world literature, and more, while developing communicative competence in a Romance language (French, German, or Spanish), in addition to Mandarin Chinese. Students will engage with this global curriculum through the study of the relationship among the perspectives, practices, and products of different cultures in meaningful contexts. They will learn skills that will allow them to function in a world that is culturally and globally diverse, learning to recognize different
perspectives by analyzing real-world perspectives and events, while acquiring information from a variety of global sources.

To receive the designation with a focus on International Studies a student must complete a minimum of the following:

- 3 units of World Language
  - 1 or more languages
    - For at least one language students must
      - Complete two units OR
      - Reach the proficiency level of Intermediate on the Foreign Language STAMP (Standards-based Measurement of Proficiency) test
- 3 units of designated International Studies electives, including:
  - World Geography (.5 units) AND
  - International Relations OR Advanced Placement Comparative Government and Politics (.5 units)
- The International Studies Senior Capstone Project (.5 units) in the student’s area of international interest*

*This course is still in development. One component will be a formal presentation to a panel of teachers, administrators, and community members.

To receive the designation with an emphasis in International Studies a student must complete a minimum of the following:

- 3 units of World Language
  - 2 or more languages required
    - For at least one language students must
      - Complete 2 units OR
      - Reach the proficiency level of Intermediate on the Foreign Language STAMP (Standards-based Measurement of Proficiency) test
- 3 units of designated International Studies electives, including
  - World Geography (.5 units) AND
  - International Relations OR Advanced Placement Comparative Government and Politics (.5 units)
- 2 units of either additional World Language and/or designated International Studies elective
- The International Studies Senior Capstone Project (.5 units) in the student’s area of international interest*

24 units are required for Graduation = 15.5 required units + 8.5 elective units
28 units are available prior to Graduation = 15.5 required units + 12.5 elective units

A student could complete the International Studies diploma designation program and still participate all four years in another program such as AVID, MJROTC, Trade and Industry, Band, Music, Art, etc, if they wish.

Elective courses that count toward the International Studies diploma designation are denoted by the symbol in the Program of Studies.

**Sophomores, Juniors, and Seniors interested in pursuing this diploma designation must have a transcript review in order to determine your ability to complete this program prior to graduation.**
Topeka High School International Studies Curriculum Options

<table>
<thead>
<tr>
<th>World Language Electives</th>
<th>International Studies Electives</th>
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<tbody>
<tr>
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<td>3680 Mythology</td>
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<td>3691 World Literature 1</td>
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<td>3895 AP Spanish Language</td>
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<td>3900 Honors Heritage Spanish</td>
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<tr>
<td>3950 Español Para Hispanohablantes 1</td>
<td>6145 AP European History</td>
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Jobs for America’s Graduates - HPHS, THS, and TWHS

Jobs for America’s Graduates (JAG) is a state-based national non-profit organization dedicated to preventing dropouts among young people who are most at-risk. In more than three decades of operation, JAG has delivered consistent, compelling results – helping nearly three-quarters of a million young people stay in school through graduation, pursue postsecondary education and secure quality entry-level jobs leading to career advancement opportunities. [http://www.jag.org/node/1](http://www.jag.org/node/1)

Junior ROTC - HPHS, THS, and TWHS

Benefits of JROTC Program

Since its inception in 1916, the JROTC program has been viewed as a strong program that provides youth with much-needed skills in citizenship and leadership. Additionally, numerous studies have shown that students who participate in JROTC programs have better attendance, grades, and graduation rates relative to students who were in general academic programs. Principals and school administrators also maintain positive attitudes toward JROTC because these programs:

Highland Park High School Air Force JROTC Mission

"Develop citizens of character dedicated to serving their nation and community”

- The objectives of JROTC are to educate and train high school cadets in citizenship, promote community service, instill responsibility, character, and self-discipline, and provide instruction in air and space fundamentals.
The AFJROTC program is grounded in the Air Force core values of integrity first, service before self, and excellence in all we do. The curriculum emphasizes the Air Force heritage and traditions, the development of flight, applied flight sciences, military aerospace policies, and space exploration.  

Topeka West High School Army JROTC Program Outcomes:
  ● Act with integrity and personal accountability as they lead others to succeed in a diverse and global workforce
  ● Engage civic and social concerns in the community, government, and society
  ● Graduate prepared to excel in post-secondary options and career pathways
  ● Make decisions that promote positive social, emotional, and physical health
  ● Value the role of the military and other service organizations

http://www.usarmyjrotc.com/jrotc-program/jrotc-program-information

Topeka High School Marine Corps ROTC Values
  ● Motivate students to lead
  ● Foster a disciplined and constructive learning environment.
  ● Instill essential skills like time organization, responsibility, goal setting, and teamwork.

http://www.mcjrotc.org

Leadership is the skill of motivating, guiding and empowering a team towards a socially responsible vision. Topeka West believes in The Social Change Model of Leadership. We believe that by fostering students individual strengths, and examining leadership theory our students will begin to see their potential as leaders. We also believe that by implementing those newly found skills in community action projects, we can begin to grow leaders in the city of Topeka for positive change.

Topeka West’s Leadership Program

Leadership Studies Graduation Distinction Requirements:

Starting with the class of 2017, students at Topeka West can earn a distinction on their diploma denoting their completion of Leadership Studies Programming.

Le

Leadership Studies Graduation Distinction Requirements:

Starting with the class of 2017, students at Topeka West can earn a distinction on their diploma denoting their completion of Leadership Studies Programming.
To receive the Leadership Studies diploma designation (a phrase equating to high honors, like emphasis on), a student must complete a minimum of the following:

1. Leadership Studies I
2. Leadership Studies II *Leadership Studies I and II cannot be taken concurrently
   a. Applications due October 15th and March 15th
3. 25 Hours of Community Service Junior Year
4. 25 Hours of Community Service Senior Year
5. Leadership Studies students who are interested in receiving distinction must declare an academic focus area of leadership. To complete your focus area requirements, you must complete 4.0 credits in your focus area and maintain a B average in those focus area courses. Classes in your focus area must include TPS requirements, along with the electives that would fulfill 4.0 total credits.

*Distinction will be available starting with the class of 2017

Students may choose to focus on one of the following disciplines to declare their academic focus in leadership. The table below denotes a sample focus area curriculum:

<table>
<thead>
<tr>
<th>Social Science</th>
<th>Literature</th>
<th>Fine Arts</th>
<th>World Language</th>
<th>Business</th>
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Social Studies Focus Area

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Electives (You must take two)

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<td>2) Economics</td>
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<td>3) Ethnic Studies</td>
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<td>4) Psychology</td>
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<td>6) Sociology</td>
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<td>7) Advanced Placement European History*</td>
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This is a two semester course that will fulfill the elective portion of your designation.
**Business Education - Course Descriptions**

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**English Language Learners - Course Descriptions**

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**Family and Consumer Science - Course Descriptions**

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**Fine Arts - Course Descriptions**

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8703 Reading Improvement B1 | 9,10,11,12 | 1.0
8706 Reading Improvement B2 | 9,10,11,12 | 1.0
8704 Reading Improvement C | 9,10,11 | 1.0
8710 Vocational Information | 10,11,12 | 1.0
8711 Occupational Exploration Program | 11,12 | .5
8715 Mathematical Concepts and Application 1 | 9,10,11,12 | 1.0
8716 English Language Arts 9 | 9 | 1.0
8717 Mathematical Concepts and Application 2 | 9,10,11,12 | 1.0
8718 World History | 9,10,11,12 | 1.0
8719 Mathematical Concepts and Application 3 | 9,10,11,12 | 1.0
8721 US History 1 | 10,11,12 | .5
8722 Government | 12 | .5
8723 US History 2 | 11,12 | .5
8724 Independent Skills | 9,10,11,12 | 1.0
8726 Study Skills | 9,10,11,12 | 1.0
8728 Work Study | 10,11,12 | 1.0
8730 Personal Development | 9,10,11,12 | 1.0
8734 Biology | 9,10,11,12 | 1.0
8735 Earth Science | 10,11,12 | 1.0
8737 Biology 2 | 10,11,12 | 1.0
8739 Physical Science | 10,11,12 | 1.0
8738 Personal Finance | 10,11,12 | .5
8740 Communications | 9,10,11,12 | .5
8743 English Language Arts 10 | 10 | 1.0
8744 Resource Algebra | 9,10,11,12 | 1.0
8745 English Language Arts 11 | 11 | 1.0
8750 Geometry | 10,11,12 | 1.0
8755 Algebra Part 1 | 9,10,11,12 | 1.0
8756 Algebra Part 2 | 9,10,11,12 | 1.0
8363 English Language Arts 1 | 9 | 1.0
8364 English Language Arts 2 | 10 | 1.0
8365 English Language Arts 3 | 11 | 1.0
8422 Fundamentals of Environmental Science | 9,10,11,12 | .5
8423 Fundamentals of Zoology | 9,10,11,12 | .5
8427 Fundamentals of US History 1 | 11,12 | .5
8439 Simple Meals | 9,10,11,12 | .5
8442 Work Study | 9,10,11,12 | .5
8443 Leisure Time | 9,10,11,12 | .5
8450 Consumer Economics | 9,10,11,12 | .5
8455 Home Living Skills | 9,10,11,12 | 1.0
8459 Functional Communications | 10,11,12 | .5

*Enrollment in these courses is through counselor consent only*
### Functional Reading
- Grade: 9,10,11,12
- Credits: .5

### Reading for Enjoyment
- Grade: 10,11,12
- Credits: .5

### Practical Writing
- Grade: 9,10,11,12
- Credits: .5

### Music Education
- Grade: 9,10,11,12
- Credits: .5

### Arts/Crafts for Life
- Grade: 9,10,11,12
- Credits: .5

### Fundamentals of Biology
- Grade: 9
- Credits: 1.0

### Functional Math
- Grade: 9,10,11,12
- Credits: 1.0

### Fundamentals of Ecology
- Grade: 9,10,11,12
- Credits: .5

### Fundamentals of Botany
- Grade: 9,10,11,12
- Credits: .5

### Recreations/Leisure Life Skills
- Grade: 9,10,11,12
- Credits: .5

### Practical Math for Life
- Grade: 10, 11, 12
- Credits: 1.0

### Personal Health
- Grade: 10, 11, 12
- Credits: .5

### Fundamentals of US History 2
- Grade: 11
- Credits: 1.0

### Fundamentals of Government
- Grade: 12
- Credits: .5

### Fundamentals of World History
- Grade: 9
- Credits: 1.0

### Personal Grooming
- Grade: 10, 11, 12
- Credits: .5

### Prevocational Skills
- Grade: 10, 11, 12
- Credits: .5

### Vocational Training
- Grade: 9,10,11,12
- Credits: 1.0

### Daily Living Skills
- Grade: 9,10,11,12
- Credits: .5

### MCJROTC Leadership Education 1
- Grade: 9,10,11,12
- Credits: 1.0

### MCJROTC Leadership Education 2
- Grade: 10,11,12
- Credits: 1.0

### MCJROTC Leadership Education 3
- Grade: 11,12
- Credits: 1.0

### MCJROTC Leadership Education 4
- Grade: 12
- Credits: 1.0

### MCJROTC Drill and Ceremonies
- Grade: 9,10,11,12
- Credits: 1.0

### MCJROTC Advanced Drill and Ceremonies
- Grade: 10,11,12
- Credits: 1.0

### Leadership Education Training 1(Army JROTC)
- Grade: 9,10,11,12
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### Earth Science
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## Sports Medicine
- **5600** Physical Therapy
- **5601** Sports Medicine (Science Credit)
- **5602** Sports Medicine II
- **7610** Special Health Topics
- **7650** Care of Athletes

## Teaching as a Profession
- **2293** Teaching as a Career
- **2299** Teaching Internship
- **2300** Teaching Observation

## Web & Digital Communications
- **2176** Multimedia
- **2177** Web Design
- **2183** Web and Digital Communications Project Management
- **2182** Programming for the Web, Apps or Games
- **5866** Programming and Software Development Project Management

## Computer Science
- **5820** Computer Integrated Manufacturing
- **5860** Introduction to Computer Coding (offered at each high school)
- **5862** AP Computer Science Principles
- **5864** AP Computer Science A
- **7920** Computer Programming

## Digital Media
- **7910** Digital Marketing

## Law and Public Safety
- **2800** Intro. to Law & Public Service (offered at each high school)
- **2810** First Aid, CPR, EMR (offered at each high school)
- **2812** Law Enforcement 1 (offered at each high school)
- **2803** Law Enforcement 2
- **7810** Forensic Science
- **7816** Corrections Officer
- **7812** Forensic Science II
- **7818** Law and Public Service Internship
- **7820** Certified Protection Officer

## Miscellaneous
- **3727** 21st Century Global Communications
- **7502** Workplace Experience
- **7900** Technical Math
- **7905** Professional and Leadership Studies
- **7950** Introduction to Agriculture
- **7960** Animal Science
- **7970** Animal Health/Vet Tech

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### TRADE AND INDUSTRY—COURSE DESCRIPTIONS

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Washburn Institute of Technology Programs

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### COURSE DESCRIPTIONS

**Business Education Course Descriptions**

**2040**  **INTRODUCTION TO BUSINESS** *(S) 9, 10, 11, 12*

This course introduces students to the world of business. The course is an overview of the business functions including accounting, business ownerships, economics, finance, human resources and risk management. This course prepares students for enrollment into advanced business courses. In addition, students will develop business knowledge and skills for use in everyday life.

**2049**  **INTEGRATED COMPUTER APPLICATIONS** *(S) 8, 9, 10, 11, 12*

The course will teach the fundamentals of computer application software. It is designed to emphasize the learning and practicing of software features. Major areas of study will include word processing, spreadsheet, database, presentation, and integration. Students will be expected to demonstrate career development skills such as: time management, work ethic, materials management, and communication skills--verbal, nonverbal, written and listening. Attendance and work ethic in the workplace is a vital component of this class and will be strongly emphasized.

**2079**  **ACCOUNTING 1** *(S) 10, 11, 12*

This course introduces the student to basic accounting principles necessary for performing a variety of accounting activities, some of which include analyzing transactions, journalizing transactions, maintaining ledger accounts, and preparing financial statements such as Balance Sheets and Income Statements. The course provides personal use and/or entry-level employment skills.

**2080**  **ACCOUNTING 2** *(S) 10, 11, 12*

**Prerequisite:** Accounting 1 (2079)

This course prepares students for entry-level employment and college level accounting. Proper procedures for maintaining financial records of various types of businesses are emphasized.

**2082**  **ADVANCED ACCOUNTING** *(Y) 11, 12*

**Prerequisite:** Accounting 1 (2079), Accounting 2 (2080), and Introduction to Business (2040)  
This course focuses on advanced accounting principles and procedures for departmentalized businesses, corporations, and manufacturing concerns including cost accounting. Industry standard automated accounting software will be used.

**2090**  **BANKING AND FINANCE** *(S) 11, 12*

**Prerequisite:** Accounting 1 (2079), Accounting 2 (2080), and Introduction to Business (2040)  
This course provides students with an overview of the American monetary and banking system as well as types of financial institutions and the services and products that they offer. Course content may include government regulations; checking, savings, and money market accounts; loans; investments; and negotiable instruments. Students will be working with a local financial institution to operate a school bank. *Optional*
2092  **INVESTING** (S) 11, 12  
Prerequisite: Accounting 1 (2079), Accounting 2 (2080) and Introduction to Business (2040)  
This course emphasizes the formulation of business and individual investment decisions by comparing and contrasting the investment qualities of cash, stock, bonds, and mutual funds. Students typically review annual reports, predict growth rates, and analyze trends. Stock market simulations are often incorporated into investing courses. Students will be working with a local financial institution to operate a school bank.

2101  **BUSINESS COMMUNICATIONS** (S) 10, 11, 12  
This course improves writing and listening skills. Good English skills, business letter writing, job application techniques and other business communication skills are studied and practiced. This course may be used to meet the Language Arts elective.

2105  **BUSINESS LAW** (S) Years 11, 12  
Prerequisite: Intro to Business (2040), US History 2 (6112)  
This course introduces students to our legal system, specifically involving civil law, and its relationship to business activities in our society. Topics include, but not limited to: comparisons to criminal law, contracts, consumer law, torts, employment, law, property rights, banking law, credit law, and business ownership.

2106  **INTERNATIONAL BUSINESS** (S) 10, 11, 12  
This course presents the basic foundations of business within the global economy. The components of a global economy to be included in the course include: different cultures, government, business organizations, import/export/trade relations, international finance, legal agreements, entrepreneurship, management principles, and career exploration. Group interaction, decision-making and problem-solving skills are practiced within the course of study.

2115  **ENTREPRENEURSHIP** (S) 10, 11, 12  
This course introduces the concept of entrepreneurship and the importance of small business to Kansas, United States, and world economics. Students learn about the basic aspects of owning and operating a small business. Students will develop their own “paper” business plan and form a student company to learn marketing strategy, financing, and management skills. This course fulfills the graduation requirements for consumer education. Both Entrepreneurship and Advanced Entrepreneurship must be taken in sequential order in the same school year.

2117  **ADVANCED ENTREPRENEURSHIP** (S) 10, 11, 12  
Prerequisite: Entrepreneurship (2115)  
This course is a continuation of Entrepreneurship. Students will continue to master the major principles associated with owning and operating a small business. To successfully complete the course, students are required to write an extensive plan on the business of their choice. Students who successfully complete the business plan will be eligible to compete for various scholarships and will receive a Biz Pack. Excellent attendance is vital to meet the requirements of this class. Both Entrepreneurship and Advanced Entrepreneurship must be taken in sequential order in the same school year.

2169  **MARKETING APPLICATIONS** (Y) 11, 12  
Prerequisite: Principles of Marketing (2181)  
Marketing Applications furthers student understanding and skills in the various marketing functions. Students coordinate channel management with other marketing activities, discuss the nature of marketing plans, generate product ideas, coordinate activities in the promotional mix, and demonstrate specialized sales processes and techniques. Economic and financial concepts are also stressed throughout the course. Current technology will be used to acquire information and to complete the projects. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Formal reflection is an ongoing component of the course along with four projects. This course is required before enrolling in any marketing application-level course.
**SPORTS & ENTERTAINMENT MARKETING** (S) 10, 11, 12  
**Prerequisite:** Intro to Business (2040)  
This course is designed to provide an introduction to a specialized topic in marketing of student and faculty interest. This course examines the rapidly developing sports industry from a strategic marketing perspective. It is based on the belief that the best marketing practices employed by the more traditional consumer goods and business-to-business organizations can be effectively applied to organizations that produce sports as their primary product. The course is designed to familiarize students with the terms and tools needed in sports industry and to develop skills that assist critical thinking or continued success in this unique business setting.

**PRINCIPLES OF MARKETING** (Y) 10, 11, 12  
**Prerequisite:** Intro to Business (2040)  
Principles of marketing courses offer students insight into the processes affecting the flow of goods and services from the producer to the consumer. Course content ranges considerably as general marketing principles such as purchasing, distribution, and sales are covered; however, a major emphasis is often placed on kinds of markets; market identification; product planning, packaging, and pricing; and business management. This course is required prior to any technical or application-level course.

**English Language Learners Course Descriptions**

**3790 ESOL Foundations (Non-English Speaking)** (Y) 9, 10, 11, 12  
**Prerequisite:** Placement  
This English Language Learner (ELL) course is designed for mastery of the English language for non-English speakers, focusing on reading, writing, speaking, and listening skills. ELL courses usually begin with extensive listening and speaking practice, building on auditory and oral skills, and then move on to reading and writing. This course provides an explanation of basic structures of the English language, enabling students to progress from an elementary understanding of English words and verb tenses to a more comprehensive grasp of various formal and informal styles and then advance to general education English courses. ELL classes may also include an orientation to the customs and culture of the diverse population in the United States.

**3791 ESOL 1** (Y) 9, 10, 11, 12  
**Prerequisite:** Placement  
This English Language Learner (ELL) course is designed for mastery of the English language for students with limited English proficiency, focusing on reading, writing, speaking, and listening skills. ELL courses usually begin with extensive listening and speaking practice, building on auditory and oral skills, and then move on to reading and writing. This course provides an explanation of basic structures of the English language, enabling students to progress from an elementary understanding of English words and verb tenses to a more comprehensive grasp of various formal and informal styles and then advance to general education English courses. ELL classes may also include an orientation to the customs and culture of the diverse population in the United States.

**3792 ESOL 2** (Y) 9, 10, 11, 12  
**Prerequisite:** Placement  
This English Language Learner (ELL) course is designed for mastery of the English language for students who have fulfilled 3791 LEP requirements. ELL courses usually begin with extensive listening and speaking practice, building on auditory and oral skills, and then move on to reading and writing. This course provides an explanation of basic structures of the English language, enabling students to progress from an elementary understanding of English words and verb tenses to a more comprehensive grasp of various formal and informal styles and then advance to general education English courses. ELL classes may also include an orientation to the customs and culture of the diverse population in the United States.

**3793 ESOL 3** (Y) 9, 10, 11, 12  
**Prerequisite:** Placement  
This English Language Learner (ELL) course is designed for mastery of the English language for students who have fulfilled 3792 LEP requirements. ELL courses usually begin with extensive listening and speaking practice,
building on auditory and oral skills, and then move on to reading and writing. This course provides an explanation of basic structures of the English language, enabling students to progress from an elementary understanding of English words and verb tenses to a more comprehensive grasp of various formal and informal styles and then advance to general education English courses. ELL classes may also include an orientation to the customs and culture of the diverse population in the United States.

3794 ESOL 4 (Y) 9, 10, 11, 12
Prerequisite: Placement
This English Language Learner (ELL) course is designed for mastery of the English language for students who have fulfilled 3792 LEP requirements. ELL courses usually begin with extensive listening and speaking practice, building on auditory and oral skills, and then move on to reading and writing. This course provides an explanation of basic structures of the English language, enabling students to progress from an elementary understanding of English words and verb tenses to a more comprehensive grasp of various formal and informal styles and then advance to general education English courses. ELL classes may also include an orientation to the customs and culture of the diverse population in the United States.

3975 ADVANCED ESOL (Y) 9, 10, 11, 12
Prerequisite: ESOL 4
Advanced ESOL is for students in the ELL program that have not yet passed the K-ELPA exam. Students will continue to get support and work toward meeting the benchmarks necessary to demonstrate mastery.

Family and Consumer Sciences Course Descriptions

2257 NUTRITION AND WELLNESS (S) 10, 11, 12
This course is designed to encourage students to adopt and practice behavior choices that will improve lifelong personal and family wellness. Students will participate in the preparation of nutritious foods.

2264 CULINARY ESSENTIALS (S) 9, 10, 11, 12
This comprehensive course provides students with knowledge and skills related to commercial and institutional food service establishments. Course topics range widely, but usually include sanitation and safety procedures, nutrition and dietary guidelines, food preparation (and quantity food production), and meal planning and presentation. Restaurant, Food, and Beverage Service courses may include both “back-of-house” and “front-of-the-house” experiences, and may therefore also cover reservation systems, customer service, and restaurant/business management. ServSafe curriculum will also be taught in the course and upon successful completion of the certification exam, a student will receive an industry recognized credential.

2265 CULINARY ARTS 1 (Y) 10, 11, 12
Prerequisite: Culinary Essentials (2264)
This course is a general skill specialty course to focus on skills generally recognized as important to the field of culinary arts and in the restaurant industry. Topics will include plating, garnishes, soups, sauces, main dish presentation, and prevention measures for common illnesses. Bakery and desserts will be introduced, but not the main focus of this course. Catering experiences may be included as well as observations of those already in the field that are responsible for these areas in food production or a culinary kitchen.

2266 CULINARY APPLICATIONS (Y) 11, 12
Prerequisites: Culinary Essentials (2264) and Culinary Arts 1 (2265)
This course applies the skills needed in the culinary arts profession. It includes the application of skills within a school-based, community-based experience or work-based internship and will cover an introduction of all aspects of an industry. Students enrolled in this course are expected to have mastered skills in the culinary field so that they are able to apply them in authentic experiences following industry standards and regulations. In addition, students will have the opportunity to earn ServSafe Certification, an industry recognized credential.
2280  **HUMAN GROWTH AND DEVELOPMENT** (S) 9, 10, 11, 12
This course focuses on the different ways humans grow physically, socially, emotionally, and intellectually. Topics will include conditions that influence human growth and development such as heredity, environment, and interpersonal relationships throughout one’s lifespan. Students will understand how self-concept is developed and formed to impact decisions made throughout life.

2281  **PARENTING** (S) 10, 11, 12
This course provides an in-depth study of parenting the young child. Topics such as parental relationships, pregnancy, birth, and the development of the child from infancy through the preschool years are discussed.

2284  **CONSUMER & PERSONAL FINANCE** (S) 9, 10, 11, 12
Consumer & Personal Finance provides students with an understanding of the concepts and principals involved in managing one’s personal finances. Topics may include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection. These courses may also provide an overview of the American economy. This course fulfills the consumer education graduation requirement.

2288  **CHILD DEVELOPMENT** (S) 9, 10, 11, 12
*Prerequisite: TB test*
The Child Development Lab is a part of the Parent Child Learning Center for Hope Street student parents. A teen parent participates in the class, while his/her infant or toddler attends the child care center. The class provides students with the opportunity to learn the basics of caring for a child, understand the growth and development of children, observe and interact with infants and toddlers, and explore careers related to children. This course may be repeated.

2311  **BALANCING CAREER AND FAMILY** (S) 10, 11, 12
This course focuses on the individual and his/her relationships and roles as family member, parent, employee, citizen, and leader. Students will learn skills needed to be competent in the family and workplace. Communication, decision-making and stress management will be discussed along with family crisis issues.

2321  **CAREER AND LIFE PLANNING** (S) 8, 9, 10, 11, 12
This semester class is designed to help each student explore a life-management plan for life beyond high school. Strategies designed for caring for self and others, career success, and coordinating personal and career responsibilities will be covered. Personal life choices made now and throughout life determine quality of life for the present and future.

2345  **LEADERSHIP SERVICE IN ACTION** (S) 11, 12
*Prerequisite: At least one technical level course in the pathway*
Leadership Service in Action course provide students with the opportunity to analyze real world issues of concern, refine an action plan and apply leadership, teamwork, and decision-making skills through civic engagement and service learning within Family and Consumer Sciences. The course promotes empowerment of students to assume advocacy roles in family, community and FCS/human services business and industry environments.

**Fine Arts Course Descriptions**

1391  **STAGECRAFT 1** (S) 9, 10, 11, 12
This course trains students in basic stagecraft techniques of scenery design, construction, and lighting. Students will have opportunities to earn class credit by serving as a crew member for one or more productions and by attending/viewing performances in the evening.

1392  **STAGECRAFT 2** (S) 9, 10, 11, 12
*Prerequisite: Stagecraft 1 (1391)*
This course extends students’ learning of basic stagecraft techniques of scenery design, construction, and lighting by providing them laboratory experiences. Students will have opportunities to earn class credit by serving as a crew member for one or more productions and by attending/viewing performances in the evening.

1393 **STAGECRAFT 3 (Y) 10, 11, 12**  
Prerequisite: Stagecraft 2 (1392)  
This course extends students’ learning of stagecraft techniques of scenery design, construction, and lighting. Students will have opportunities to earn class credit by serving as a crew member for one or more productions and by attending/viewing performances in the evening. This course may be repeated for credit.

3661 **THE GREAT PLAYS (S) 10, 11, 12**  
This reading course is designed to acquaint the student with well-known dramatic literature through reading aloud, silent reading, listening to recordings, and seeing both live and filmed productions; no acting will occur. Although a chronological sequence starting with Greek tragedy will be followed, the emphasis will be on modern theater.

3737 **FORENSICS 1 (S) 9, 10, 11, 12**  
Prerequisite: **Student must have passed 5 classes the previous semester to meet KSHSAA requirements.**  
This course provides an opportunity for students interested in speech and drama to improve their skills through participation in speech contests. Some performance will be done outside of class for civic organizations in the city. This course fulfills the speech or fine arts requirements. Students should expect to commit between 3-5 hours per week outside of class.

3738 **FORENSICS 2 (S) 10, 11, 12**  
Prerequisite: **Forensics 1. See course description for Forensics 1 (3745)**

3739 **FORENSICS 3 (S) 11, 12**  
Prerequisite: **Forensics 2. See course description for Forensics 1 (3745)**

3742 **FORENSICS 4 (S) 12**  
Prerequisite: **Forensics 3. See course description for Forensics 1 (3745)**

3746 **DEBATE 1 (S) 9, 10, 11, 12**  
Prerequisite: **Student must have passed 5 classes the previous semester to meet KSHSAA requirements.**  
This beginning course is for students interested in participation in extra-curricular debate activities. Students learn the fundamentals of debate and research skills in preparation for debating national high school debate topic at tournaments through the state. This course fulfills the speech requirement. Students should expect to commit between 3-5 hours per week outside of class. Students must participate in weekend competitions.

3747 **DEBATE 2 (S) 10, 11, 12**  
Prerequisite: **Debate 1, Consent, and Student must have passed 5 classes the previous semester to meet KSHSAA requirements.**  
This course is for students with debate experience who wish to continue participation in debate activities. Students should expect to commit between 3-5 hours per week outside of class. Students must participate in weekend competitions.

3748 **DEBATE 3 (S) 10, 11, 12**  
Prerequisite: **Debate 2, Consent, and Student must have passed 5 classes the previous semester to meet KSHSAA requirements.**  
This course is for students with debate experience who wish to continue participation in debate activities. Students should expect to commit between 3-5 hours per week outside of class. Students must participate in weekend competitions.

3745 **DEBATE 4 (S) 12**
Prerequisite: Debate 3, Consent, and Student must have passed 5 classes the previous semester to meet KSHSAA requirements. This course is for 4th year debaters and is weighted. The class is focused on more complex argumentation and analysis of the current debate topic. Students are expected to increase their research considerably and also serve as squad leaders for first-third year debaters. The grade for the fourth year of debate will be weighted. This course may fulfill the speech or fine arts requirements. Students should expect to commit between 3-5 hours per week outside of class.

1466 MEDIA TECHNOLOGY WORKPLACE EXPERIENCE (S) 11, 12
This course provides students with workplace experience in fields related to media technology. Goals are typically set cooperatively by the student, teacher and employer. These courses may include classroom activities as well as further study of the field and discussion regarding experiences that students will encounter in the workplace. This course is offered with Graphic Design or Web and Digital Communications emphasis. Pre-requisites must be taken before the application level course in the specified pathway. This 1.0 credit course can be taught as two sections during the same semester.

3751 ACTING 1 (S) 10, 11, 12
Freshmen may enroll with permission
This course will build on basic acting skills learned in theatre through improvisational acting, text analysis, and scripted acting. Attendance of school plays may be required. This course fulfills the speech or fine arts requirement. Freshmen may enroll with teacher permission.

3752 ACTING 2 (S) 10, 11, 12
Prerequisite: Acting 1 (3751)
This course will build on improvisational and scripted acting skills learned in Acting 1. Attendance at school plays may be required. This course fulfills the speech or fine arts requirement.

3756 THEATRE APPRECIATION (S) 9, 10, 11, 12
This course is designed to give the student an experiential overview of many facets of theatre, including acting, play writing, movement, theatre history, and other topics. Students are required to perform before a classroom audience. Attendance at a school play may be required. This course does not fulfill the speech.

3763 DIVERSITY THEATRE (S) 9, 10, 11, 12
This course is an acting class focused on plays by and about people of color. It will include a survey of plays by African-American, Mexican-American, Native-American, Asian, and other minority authors; acting exercises; confidence-building exercises; off-stage responsibilities; script analysis and notation; rehearsal expectations and techniques; and public performance of a class play. Attendance at two field trips and all school plays is compulsory.

3754 ADVANCED THEATRE ENSEMBLE (Y) 10, 11, 12
Prerequisite: Audition
The enrollment in this course will be determined from the result of prepared auditions. Students will learn directing techniques, build original works, and perform a variety of different pieces in various settings. The class will support the Performing Arts Department in any way deemed appropriate and may be required to participate in other performance related activities.

3761 TOPEKA WEST PLAYERS (Y) 9, 10, 11, 12
Prerequisite: Audition
This ensemble of upperclassmen is selected by audition in the preceding spring. The year-long course is performance-oriented and intended for those students with a serious interest in the theater who wish to pursue the theater arts beyond the classroom and most likely beyond high school as well. This course may satisfy either the Fine Arts or the Speech requirement, but not both.
This course will bring the student into direct verbal and visual contact with that part of our environment termed the visual arts. Students will visit local art exhibits, view slide presentations, and participate in small group research presentations. A background or interest in world history will be helpful in this class.

This pre-college course is designed to prepare students to take the AP Art exam to receive college credit in Art History and Humanities. The course is designed to further students’ knowledge and enrich their understanding of how and why works are created and interpreted from a historic perspective. The course will develop the student’s ability to examine works of art intelligently, gain knowledge of major forms of artistic expression, understand the works’ importance, and formulate personal opinions about the artistic merit of the work. Students will be able to discuss and write cogent essays by using visual observation and relating that perspective to the relevant historical context in which the art occurs.

This course is designed for students who may be interested in the skill/performance related to fine arts courses and will provide an overview of the arts and increase the awareness of one’s own creativity and appreciation for the fine arts historically and in the present. Emphasis is in recognizing the elements of the visual arts, music, literature, dance, and drama. Students will explore the process of analyzing and evaluating arts and become more aware of criteria to be considered in selecting a given piece of art, music, literature, dance and drama.

This course introduces students to the elements and principles of the Visual Arts/Design. Design is the prerequisite for all visual art classes, except Photography. Students will understand and apply a variety of art media, techniques, and processes. The elements—color/value, line, shape, space, form, and texture—are used together to build successful design projects in two-dimensional and three-dimensional forms.

This course provides students with a better understanding of the elements and principles of art in combination with computer generated projects. The focus of this class is to introduce students to careers in the graphic arts.

This course introduces students to hand building ceramic production methods. Students will learn how to design and make pottery using different methods of working with clay. The major design emphasis of study is upon slab, coil, and glazing.

This course utilizes three-dimensional design processes and techniques introduced in Ceramics 1. Students will continue skill development in hand built ceramic work and be introduced to wheel thrown pottery. Students will expand their knowledge and understanding of the processes of clay formulation, glazing, and firing techniques. The history of ceramic art and artists will be explored. This class may be repeated.

This course is designed for the advanced arts student. First semester projects are based on skills acquired from Graphic Design 1 at a more independent level. The focus of this class is to create projects utilizing the creative process and problem-solving skills related to the professional aspects of graphic design. Second semester will focus on the development of a professional portfolio.
4092  **3D COMPUTER GRAPHICS** (Y) 10, 11, 12  
*Prerequisite: Graphic Design 1(4077)*  
3D Computer Graphics is a one year course for the student who has completed 4070 Design and 4077 Graphic Design 1. 3D Computer Graphics will provide an introduction to 3D modeling, texturing, lighting and rendering techniques used in the computer application Cinema 4D.

4102  **PRINCIPLES OF ILLUSTRATION** (S) 9, 10, 11, 12  
*Prerequisite: Design (4070)*  
This course explores a variety of media, tools, and supports as a means to communicate ideas. Topics include an understanding of illustration as applicable to careers in graphic design, animation, apparel/textile design, industrial design, web design, architecture, interior design and fine arts. Techniques in traditional and digital illustration applications will be explored as directly linked to ever-changing social trends.

4103  **PRINCIPLES OF ILLUSTRATION 2** (S) 10, 11, 12  
*Prerequisite: Principles of Illustration (4102)*  
This course provides students the opportunity for further development in drawing. For self-motivated students, this course will provide the challenges needed to continue with a career in the arts. Emphasis is placed on figure drawing, gesture and contour drawing, and the importance of protecting and presenting finished work.

4110  **JEWELRY 1** (S) 9, 10, 11, 12  
*Prerequisite: Design (4070)*  
This course emphasizes the design, craftsmanship, and finish of jewelry and the importance of good design and how this is obtained in jewelry. Techniques of sawing, filing, soldering, stone setting, and finishing will be studied. Students design and create articles of jewelry through construction and casting. They will study the historical and contemporary importance of jewelry.

4111  **JEWELRY 2** (S) 10, 11, 12  
*Prerequisite: Jewelry 1 (4110)*  
This course provides an opportunity for students to improve their skills in jewelry making. Increased proficiency will be expected. Students will review jewelry concepts through their work on advanced skill development in a variety of materials. They will apply the elements and principles of design into the creation of original jewelry projects. The history and cultural significance of jewelry will be explored.

4120  **PAINTING 1** (S) 10, 11, 12  
*Prerequisite: Principles of Illustration (4102)*  
This course explores types of painting in a variety of compositions (still life, landscape, figure, abstract). Color theory is reviewed as students learn to paint using everything from traditional methods to a more modern approach using different types of paints. Students will be introduced to products, techniques, and interpretation of painting.

4123  **PAINTING 2** (S) 10, 11, 12  
*Prerequisite: Painting 1 (4120)*  
This course is designed for students who want to continue to explore various painting techniques. Concentrating on composition and original ideas, projects for the individual portfolio will be developed.

4130  **PRINTMAKING** (S) 10, 11, 12  
*Prerequisite: Design (4070)*  
This course focuses on applying the knowledge of design elements and principles of printmaking processes including silkscreen and linoleum. Students develop aesthetic awareness of this art medium as they take their composition problems through printmaking procedures that culminate in the display of finished work.
**DIGITAL PHOTOGRAPHY 1 (S) 10, 11, 12**
This course introduces students to the realm of Digital Photography and the Digital Darkroom. Students will combine traditional photographic techniques and computer technology to develop a portfolio of original works. They will examine the historical and technological development of digital photography in today’s rapidly changing world.

**DIGITAL PHOTOGRAPHY 2 (S) 10, 11, 12**
Prerequisite: Digital Photography 1 (4137)
This course will capitalize on the skills learned in Digital Photography 1 to complete advanced projects. Students will explore advanced photographic techniques using digital cameras, computers, editing software, scanners, and photo quality printers. Students will create a digital portfolio with an emphasis on their own interests and career path.

**SCULPTURE 1 (S) 9, 10, 11, 12**
Prerequisite: Design (4070)
This course offers a working experience in the three-dimensional study of form, space, color, texture, and line. Students will be introduced to products, processes, and procedures of sculpture. They will examine the cultural aspects of sculpture.

**STUDIO ART (S) 11, 12**
Prerequisite: Design (4070), Principals of Illustration (4102), Painting (4120) and Consent
This course is designed to assist in students developing a portfolio for scholarships, interviews, and/or exhibits. Emphasis is placed on the development of the individual artist. Students will be responsible for submitting art for exhibit.

**INDEPENDENT STUDIO (S) 12**
Prerequisite: Design (4070)
This course is designed for the student who has completed a variety of art classes and is planning a postgraduate education in art. Each student will build a portfolio of his or her best work to be used for college or art school acceptance or scholarship participation.

**ADVANCED PLACEMENT STUDIO ART (Y) 12**
This college-level course allows students to develop their Advanced Placement portfolios based on specific criteria established by The College Board. Emphasis is placed on the development of the individual artist. Successful rating of the portfolios by College Board Readers at the completion of the course may result in credit granted in art at some colleges and universities. The College Board requires a fee for the portfolio submission.

**Fine Arts - Instrumental Music Course Descriptions**

**FRESHMAN BAND (Y) 9**
This course is designed to train freshmen that have had previous instrumental music instruction in the skills necessary for musical excellence and showmanship. The band will perform numerous concerts. The emphasis of this band is placed on the development of playing skills and fundamentals rather than public performance. Audition is not required.

**VARSITY BAND (Y) 9, 10, 11, 12**
This course is for students with previous experience playing a band instrument. It is an advanced performance ensemble and will perform at formal concerts and many home athletic events (football and basketball games and pep assemblies). This band will represent the school in events requiring out of town travel such as contest, concerts, and/or parades. This class may be repeated.

**STAGE BAND (Y) 9, 10, 11, 12**
Prerequisite: Audition and Concurrent Enrollment in Freshman Band (4343) or Varsity Band (4344)
This course is designed to teach jazz and jazz-rock styles to students who want to further their knowledge in this area. Previous experience is not necessary; however, this class is an extension of the band program and membership in band is required of all those who play a band instrument. Instruments used in this ensemble are saxophone, trombone, trumpet, piano, guitar, bass and percussion. This class may be repeated.

4348  ADVANCED STAGE BAND/JAZZ BAND (Y) 10, 11, 12
Prerequisite: Audition and Concurrent Enrollment in Varsity Band (4344)
This course is comprised of upper-class men and women who have the necessary experience and musicianship to perform more advanced and technically demanding literature and who wish to further their knowledge of American Jazz and pop styles through performance. Members are required to participate in many evening and weekend performances and should not be participating in any other activity that would conflict with performances. This class may be repeated.

4365  INSTRUMENTAL ENSEMBLE (S) 9, 10, 11, 12
This performance class is designed to organize the students into a variety of small ensembles such as brass quintet, woodwind quintet, percussion ensemble, or string quartet. This class may be repeated.

4369  STRINGS (Y) 9, 10, 11, 12
This course is for any student who plays an orchestral stringed instrument (violin, viola, cello, bass, or harp). This class includes several concert performances as well as technical study for individual musical growth. There will be some evening performances and members must provide their own concert attire. This class may be repeated.

4373  PREMIER STRINGS (Y) 9, 10, 11, 12
Prerequisite: Audition
This string chamber ensemble is an auditioned group performing challenging repertoire. This class may be taken concurrently with the Strings class, though double enrollment is not required. Frequent performances will be scheduled. Concert attire must be provided by the student and will be the same as the Strings class. This class may be repeated.

Fine Arts - Vocal Music Course Descriptions

4381  FRESHMAN CHORUS (Y) 9
Prerequisite: Audition
This chorus is open to 9th grade students who qualify by tryouts. Voice and general scholarship are considered as this group appears in many programs. An occasional performance outside school hours is to be expected. Emphasis is placed on voice techniques and reading in preparation for advanced work. A wide variety of music materials will be studied, ranging from popular to classical. The student will need to purchase a uniform.

4382  MIXED CHORUS (Y) 9, 10, 11, 12
The Mixed Chorus is a beginning choral group primarily for 9th grade students and for upper-classmen who would like to begin study in vocal music. Basic techniques such as tone production, correct breathing, diction, rhythm, basic sight singing techniques, blending through unison, and part singing are learned. The Mixed Chorus performs selected numbers at choral concerts. This class may be repeated.

4383  CONCERT CHOIR (Y) 9, 10, 11, 12
Prerequisite: Audition
This concert choir is a performance choir of mixed voices. Vocal technique and music reading skills will be emphasized. A varied repertoire of challenging literature for high school choirs will be performed. This class may be repeated.

4387  CHARGER CHORUS (Y) 9, 10, 11, 12
This non-auditioned choir is for male and female voices. This ensemble will learn music reading skills, group social skills, and vocal technique. A variety of music styles will be performed. This class may be repeated.
4391 **CHANSONETTES** (Y) 10, 11, 12
Prerequisite: Audition
This chorus studies a wide variety of music materials, ranging from popular to classical. Voice and general scholarship are considered as this group appears in many programs. An occasional performance outside school hours is to be expected. Emphasis is placed on voice techniques and reading in preparation for advanced work. The student will need to purchase a uniform. This class may be repeated.

4393 **Choralaires** (Y) 9, 10, 11, 12
Prerequisite: Audition
This advanced chorus for treble voices performs a varied and challenging repertoire. Music reading skills and the fundamentals of singing will be the primary focus. Students will perform frequently throughout the year as a course requirement. This class may be repeated.

4395 **Madrigals** (Y) 10, 11, 12
Prerequisite: Audition and Concurrent Enrollment in Concert Choir (4383)
This ensemble offers an opportunity for the more advanced singer to perform varied types of music with an emphasis upon a cappella singing. The student will need to purchase a uniform. This class may be repeated.

4397 **Scot Singers** (Y) 10, 11, 12
Prerequisite: Audition
This mixed choral ensemble consists of approximately fourteen to twenty-four students. Its members are advanced voice students from Mixed Chorus or Concert Choir. Although many periods of music are studied and performed, the emphasis lies in popular music. Students must display the ability to perform choreographed routines with popular music. Scot Singers perform at all school concerts and often perform outside of the school. This class may be repeated.

4399 **West Singers** (Y) 9, 10, 11, 12
Prerequisite: Audition and Concurrent Enrollment in Concert Choir (4383)
This small ensemble performs more than any other vocal group. Members must excel in singing. Performance tuxedos and dresses are required and are the student’s expense. This class may be repeated.

4401 **Music Theory** (Y) 10, 11, 12
This college preparatory course is for the serious music student who is planning a career in music. Music history and literature are introduced. Emphasis is placed on the mastery of fundamental skills in music theory.

4402 **Advanced Placement Music Theory** (Y) 11, 12
This course is designed to extend the musical knowledge of a student who is considering studying any type of music at the college or university level. Topics include music history and music theory as well as electronic music. At the conclusion of the course, students have the option of taking the Advanced Placement Music Theory Examination for college credit.

**Language Arts Course Descriptions**

3415 **Advanced Grammar** (S) 11, 12
This course is designed to help students understand the structure of the English language. Topics include a review of traditional grammar such as parts of speech, parts of the sentence, phrases, clauses, and sentence patterns as well as punctuation and correct usage.

3441 **Honors English 9** (Y) 9
This course is designed for advanced English students. The students will read more challenging fiction and non-fiction, write more complex and mature compositions, and develop and hone their higher-level critical thinking skills in evaluation and critiquing literature. In addition to the regular text, students will have
supplemental readings and complete an individual project each semester. Students will be introduced to
bookmarking techniques and the reading and analyzing of literature. This course prepares students for AP English
courses, which culminates in the AP exam and earning college credit.

3443  **HONORS ENGLISH 10 (Y) 10**
This course is designed for advanced English students. The students will read challenging fiction and non-fiction,
write complex and mature compositions using MLA style, develop advanced vocabulary, and develop higher level
critical thinking and synthesizing skills in evaluating and critiquing literature. In addition to the regular text,
students are expected to complete supplemental reading assignments, writing assignments, individual and group
projects that will require students to frequently work outside the regular class time. Students will be introduced to
AP/AVID strategies for timed writings and higher-level questioning techniques. This course prepares students for
AP English courses, which culminate in the AP exam and earning college credit.

3445  **ENGLISH 10 (Y) 10**
This course develops the student's skills in writing and literature. Experiences are provided in pre-writing,
organizing, writing, and rewriting. Fiction, nonfiction, poetry, drama, and the novel are studied. Students will
read and analyze a variety of literature broadening their knowledge of various authors and their writing styles.

3450  **ENGLISH 9 (Y) 9**
This course focuses on the writing process and literature. Students develop the skills in the writing process –
organizing, prewriting, writing, and revising. Literature is studied according to genre - short stories, drama,
poetry, nonfiction, and the novel. Students are introduced to important literary terms.

3471  **CREATIVE WRITING 1 (S)  9, 10, 11, 12**
This course provides students who like and want to write an opportunity to produce a variety of written forms.
These forms include poetry, drama, short story, and creative non-fiction.

3472  **CREATIVE WRITING 2 (S) 11, 12**
**Prerequisite: Creative Writing 1 (3471)**
This course provides students with the opportunity to practice skills of literary criticism and analysis by writing.

3474  **GRAPHIC NOVEL (S) 11, 12**
This course will be an introduction to the medium of graphic novels as a literary style, the evolution and history of
the graphic novel, how the art has influenced American culture, and an examination on the transformation of
the graphic novel into film. The course will compare and contrast graphic novels from different cultures. It will also
cover the format of the graphic novel itself and deconstruct the storytelling process by showing visual/literary
techniques used by the story-telling team. Many discussions will focus on characterization, thematic and literary
elements. Concepts and themes such as gender, race, and social structure will be discussed, and graphic novels
will be compared and contrasted to their literary counterparts.

3476  **CREATIVE WRITING FOR PUBLICATION (S) 11, 12**
**Prerequisite: Creative Writing 1 (3471) or Creative Writing 2 (3472), or Consent**
This course focuses on publishing student creative work. Possible publication venues could include a school
literary magazine, district and/or school webpage or social networking site, publications for school events and
online student magazines as well as other online and print journals and magazines.

3521  **ENGLISH 11 (Y) 11**
This course focuses on a chronological study of the themes, philosophies, and social issues that have impacted
American literature. Students will practice skills to improve their abilities with the writing process including
analysis and interpretation of American literature.

3535  **ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION (Y) 12**
This course provides students an opportunity to read and to respond in writing to representative works from various genres and periods, focusing on works of literary merit. Students will study poetry, drama, essays, and imaginative literature from the literary and political eras that include Anglo-Saxon, Classic Greek, Medieval, Renaissance, Seventeenth and Eighteenth Century (Restoration), Romantic, Victorian, Modern, and Contemporary. To fully comprehend the text, each student is required to experience, interpret, and evaluate the representative works. This college-level course may be taken for dual high school and college credit. The college credit will be granted by Washburn University, which charges a reduced tuition fee for each credit hour.

3433 **SENIOR COMPOSITION** (S) 12
This course is designed to improve writing skills needed for both post-secondary education and multiple career paths. Students will explore several types of academic and technical writing. Experiences are provided in pre-writing, organizing, writing, and rewriting.

3545 **ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION** (Y) 11, 12
This yearlong AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer’s purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. This course is the equivalent to a college-level writing course and fulfills the Junior English requirement. Students will be ready to take the AP exam in May.

3615 **AFRICAN-AMERICAN LITERATURE** (S) 11, 12
This course focuses on the works of African American writers from the slavery period to the present. Important African American historical events are correlated to the literary periods. Male and female perspectives in literature are examined.

3616 **HISPANIC LITERATURE** (S) 11, 12
This course provides students with an opportunity to study literature that reflects the Hispanic culture. Understanding the background of the periods in which the various authors wrote and the contributions they made to this country is emphasized. Particular emphasis will be placed on the works of Latino-American authors.

3630 **SPORTS LITERATURE** (S) 10, 11, 12
This course studies sports literature and how it both influences and reflects our society. Students will explore literature related to sports and sports heroes and will read and respond to works from all literary genres, including works about team sports and lifetime activities.

3645 **YOUNG ADULT LITERATURE** (S) 9, 10, 11, 12
This course is designed to offer students an opportunity to read high interest literature by authors who write specifically for young adults. Students will read a variety of texts for young adults including poems, short stories, novels, and non-fiction. The goal of this class is to foster an enjoyment of reading in addition to practicing and learning language arts skills.

3655 **FILM AS LITERATURE** (S) 11, 12
Students who enroll in this course will analyze a variety of genres of film and short films from classic to contemporary, using the Standards that are commonly applied to literature.

3661 **THE GREAT PLAYS** (S) 10, 11, 12
This reading course is designed to acquaint the student with well-known dramatic literature through reading aloud, silent reading, listening to recordings, and seeing both live and filmed productions; no acting will occur. Although a chronological sequence starting with Greek tragedy will be followed, the emphasis will be on modern theater.
MYTHOLOGY (S) 11, 12
This course familiarizes the student with common themes in mythologies throughout the world. The study of classical myths of Greece and Rome will be emphasized; however, myths of other cultures such as American Indian, Norse, Celtic, African, Near Eastern and Egyptian will be studied.

WORLD LITERATURE 1 (S) 11, 12
This course is a survey of literature other than British and American literature. Ancient, classical, and medieval literature and literature of European and Asian language groups will be included. Common themes will be discussed.

WORLD LITERATURE 2 (S) 11, 12
This is an advanced course of world literature. A more in-depth study of ancient, classical, and medieval literature and literature of European and Asian language groups will be included, with the Asian language groups emphasized.

Language Arts - Reading Course Descriptions

LITERACY WORKSHOP 10-11 (S) 10, 11
Prerequisite: Placement
This course is designed for Sophomores, Juniors, and Seniors to improve reading in all subjects and life skills and will focus on a variety of reading strategies and texts leading to improved reading comprehension and increased vocabulary literacy. Students who successfully complete the course will be empowered in both content reading and lifelong reading for pleasure. This course is for tenth and/or eleventh grade students identified through test scores and/or teacher recommendations.

LITERACY WORKSHOP 9 (S) 9
Prerequisite: Placement
This Freshman-level course is designed so that each student improves his or her reading in all subjects and life skills and will focus on a variety of reading strategies and texts leading to improved reading comprehension and increased vocabulary literacy. Students who successfully complete the course will be empowered in both content reading and life-long reading for pleasure. This course is for ninth grade students identified through test scores and/or teacher recommendations.

Language Arts - Speech Course Descriptions

SPEECH (S) 11, 12
This course focuses on the fundamental principles and practices of oral communication. Students will explore basic construction and presentation techniques by developing and performing speeches to inform, entertain, and persuade. Each student will make a minimum of four presentations including at least one speech of at least six minutes.

COLLEGE PUBLIC SPEAKING (S) 11, 12
This college-level course provides an examination of rhetorical theory, principles and practices of oral communication and will explore construction and presentation techniques by developing and performing speeches. This course may be taken for dual high school and college credit. The college credit will be granted by Washburn University. In order to earn college credit a fee payable to W.U. is required. The university also provides the final exam for this course, and the student must pass with a minimum of 60% to earn this credit.

Language Arts - Journalism Course Descriptions

21ST CENTURY JOURNALISM (S) 9, 10, 11, 12
This course is an exploration of the role media and the communications industry has in society, the development of the technical skills related to journalistic writing and interviewing, as well as understanding the ethical and
legal issues related to the field. This class prepares students for future work in journalism-related careers, including work on student publications.

3715  **DIGITAL MEDIA TECHNOLOGY** (S) 9, 10, 11, 12  
**Prerequisite:** 21st Century Journalism (3714) or consent  
Students will learn the technical skills needed to work with electronic media. Topics include exploring the use of digital imaging and video today and in the future, a study of the relationship of workflow to project planning and completion and the software, equipment and tools used in the industry.

3716  **AUDIO/VIDEO PRODUCTION FUNDAMENTALS** (S) 10, 11, 12  
This course provides a basic understanding of producing video for a variety of uses. Topics include analyzing the pre-production, production and postproduction process, as well as explore the equipment and techniques used to develop a quality audio video production. Basic news photography skills will also be introduced.

3723N  **ADVANCED PUBLICATIONS N (Newspaper)** (Y) 10, 11, 12  
**Prerequisite:** 21st Century Journalism (3714)  
This course will provide students with the opportunity to apply the fundamental techniques learned in the Digital Media Technology course through the production of a multi-media project for public presentations. Topics include developing a production schedule, working as a team, utilizing composition principles, and embedding audio, video and other content in the digital format for newspaper. This course may be taken concurrently with Advanced Publications Y (Yearbook).

3723Y  **ADVANCED PUBLICATIONS Y (Yearbook)** (Y) 10, 11, 12  
**Prerequisite:** 21st Century Journalism (3714)  
This course will provide students with the opportunity to apply the fundamental techniques learned in the Digital Media Technology course through the production of a multimedia project for public presentations. Topics include developing a production schedule, working as a team, utilizing composition principles, and embedding audio, video and other content in the digital format for yearbook. This course may be taken concurrently with Advanced Publications N (Newspaper).

**Mathematics Course Descriptions**

5024  **PRE-ALGEBRA** (Y) 9  
**Prerequisite:** Placement  
This course focuses on prerequisite skills for algebraic concepts, including reasoning and problem-solving with rational numbers, expressions, equations, and linear relationships. Students will be placed in this course based on standardized test scores, prior math performance and teacher recommendations.

5106  **EXTENDING ALGEBRA & GEOMETRY** (Y) 11, 12  
**Prerequisite:** Algebra 1 (5110) & Geometry (5125)  
This course will deepen students' understanding of algebraic and geometric concepts. Connections between Algebra 1 and Geometry content will be used to prepare students for Algebra 2 concepts.

5110  **ALGEBRA 1** (Y) 9, 10, 11, 12  
This is a first year Algebra course. Topics include variable representation, properties of equations and inequalities, and graphical and statistical representation. This course is a foundation for all other math courses and a requirement for all college bound students.

5124  **HONORS ALGEBRA 2** (Y) 9, 10, 11, 12  
**Prerequisite:** Algebra 1 (5110)  
This course provides a review of the basic operations on and properties of the real number system. The complex number system is introduced and developed. Other topics include linear, exponential, and logarithmic functions; polynomial equations; graphing; systems of equations and inequalities; conic sections; and sequences and series.
5125 **GEOMETRY** (Y) 9, 10, 11, 12  
Prerequisite: Algebra 1 (5110) or Algebra 1A/Algebra 1B (5102)  
This course is a study of geometric concepts and their applications. Topics include coordinate geometry, transformations, measurement formulas, and an introduction to geometric proofs using lines, triangles, polygons, and circles.

5130 **ALGEBRA 2** (Y) 9, 10, 11, 12  
Prerequisite: Algebra 1 (5110) or Algebra 1A/Algebra 1B (5102)  
This course focuses on algebraic expressions, especially linear and quadratic forms, powers and roots, and functions. Other topics include logarithmic, polynomial, and other special functions as tools for modeling real-world situations.

5154 **HONORS GEOMETRY** (Y) 9, 10  
Prerequisite: Algebra 1 (5110) or Algebra 1A/Algebra 1B (5102)  
This course is a study of Euclidean space with an emphasis on formal proofs. Topics include coordinate geometry, transformations, measurement formulas, and inductive and deductive reasoning. Enrollment will be determined by a placement test.

5169 **FUNCTIONS** (S) 11, 12  
Fall Semester - Prerequisite: Algebra 2 (5130) or Honors Algebra 2 (5124)  
This course includes the study of relations and functions, including polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their inverses, graphs, and applications.

5170 **TRIGONOMETRY** (S) 11, 12  
Spring Semester - Prerequisite: Algebra 2 (5130) or Honors Algebra 2 (5124)  
This course includes trigonometric and circular functions; their inverses and graphs; relations among the parts of a triangle; trigonometric identities and equations; solutions of right and oblique triangles; and complex numbers.

5180 **PRE-CALCULUS** (Y) 11, 12  
Prerequisite: Algebra 2 (5130) or Honors Algebra 2 (5124)  
This course is a study of the real number line and the Cartesian plane; plane, polynomial, and rational functions; graphing; sequences and series; limits; derivatives; and conic sections. Pre-Calculus introduces limits and integrates work with functions and trigonometry.

5185 **ADVANCED PLACEMENT CALCULUS AB** (Y) 11, 12  
Prerequisite: Pre-Calculus (5180)  
This college level course includes a study of functions, limits, derivatives, and integrals and is intended for students who have a thorough and rigorous background in college preparatory mathematics, including trigonometry and pre-calculus. At the conclusion of the course, students have the option of taking the Advanced Placement Calculus AB Examination for college credit.

5186 **ADVANCED PLACEMENT CALCULUS BC** (Y) 12  
Prerequisite: Pre-Calculus (5180)  
This college level course continues the study of functions, limits, derivatives, and integrals. Other topics include polynomial approximation and series. The content is designed to qualify a student for placement and credit one semester beyond that granted for Advanced Placement Calculus AB. At the conclusion of the course, students have the option of taking the Advanced Placement Calculus BC Examination for college credit.

5210 **PROBABILITY AND STATISTICS** (S) 11, 12
Prerequisite: Pre-Calculus (5180) or Functions (5169) and Trigonometry (5170) This college level course will help students understand the importance of probability and statistics in the application of mathematics in all sciences. Students will collect, summarize and present data and interpret statistical reports. Other topics include acceptance sampling, hypothesis testing, confidence limits, and significance tests.

5212 ADVANCED PLACEMENT STATISTICS (Y) 10, 11, 12
Honors Algebra 2 (5124) or Functions (5169) and Trigonometry (5170)
This course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes – exploring data, sampling and experimentation, anticipating patterns, and statistical inference. This college-level course may be taken for dual high school and college credit through Washburn University. The college credit will be offered by Washburn university, which charges a reduced tuition fee for each hour.

5220 COLLEGE ALGEBRA (S) 11, 12
Prerequisite: Algebra 2 or Honors Algebra 2 for High School Credit only
Algebra 2 or Honors Algebra 2 for High School Credit only and 3.0 G.P.A. and ACT score of 22 or better
(Student may take the COMPASS test through Washburn University to qualify) for Dual High School and College Credit
This college-level course will cover equations, relations, functions, systems of equations, matrices, determinants, linear programming, logarithms, sequences, series, and binomial expansion. This course may be taken for dual high school and college credit. The college credit will be granted by Washburn University for College Algebra/Math 116. In order to earn college credit a fee payable to W.U. is required. The university also provides the final exam for this course, and the student must pass with a minimum of 60% to earn a C or better.

5222 INTRODUCTION TO COLLEGE ALGEBRA (S) 12
Prerequisite: Algebra 2
This course mirrors Washburn University’s Intermediate Algebra course and will prepare students to enroll in College Algebra.

Miscellaneous Course Descriptions
1320 CLASSROOM ASSISTANT (S) 11, 12
Prerequisite: Consent
A limited number of students will be permitted to receive credit as office and/or selected department proctors. Applications for these credit positions are available from the student’s counselor.

1335 MATH AIDE PROGRAM (Y) 11, 12
Prerequisite: Consent
This program provides an opportunity for juniors and seniors to mentor students in Algebra and Geometry. The math aide receives a full elective credit for the year and a letter grade.

1339 TECHNOLOGY SERVICES AIDE (S) 9, 10, 11, 12
Prerequisite: Integrated Computer Applications
This course is designed to engage students with computer technology interests in hands-on experience in troubleshooting and repairing Chromebooks. The Technology Services Aide can be taken more than one semester and for a letter grade.

1340 ACT PREP (S) 11, 12
This is a course for juniors and seniors who are interested in knowing more about college applications and scholarships. Also students will spend time with subject-area professionals in reading, writing, math and science to better prepare them for the ACT college entrance exam.
LIBRARY ASSISTANT (S) 10, 11, 12  
Prerequisite: Consent  
A limited number of students receive permission from the librarian to enroll as student aides. During the semester, assignments offer opportunities for training in the various services that the library performs. A student may enroll for one or two semesters. Excellent attendance is mandatory.

OFFICE ASSISTANT (S) 10, 11, 12  
Prerequisite: Consent  
A limited number of students will be permitted to receive credit as office and/or selected department proctors. Applications for these credit positions are available from your counselor.

AVID 9 (Y) 9  
Prerequisite: Consent  
The Advancement Via Individual Determination (AVID) elective is a class for Freshmen students who have been selected to participate in the AVID program. Students will develop and reinforce attitudes, skills, and knowledge to successfully enter and complete a college prep curriculum in high school. Students will learn and apply study skills and learning strategies to improve performance in the content areas. Writing, inquiry, collaboration, and reading skills will be emphasized. Students in the AVID program are required to be enrolled in at least one Honors or Advanced Placement class.

AVID 10 (Y) 10  
Prerequisite: Consent  
The Advancement Via Individual Determination (AVID) elective is a class for Sophomore students who have been selected to participate in the AVID program. Students will develop and reinforce attitudes, skills, and knowledge to successfully enter and complete a college prep curriculum in high school. Students will learn and apply study skills and learning strategies to improve performance in the content areas. Writing, inquiry, collaboration, and reading skills will be emphasized. Students in the AVID program are required to be enrolled in at least one Honors or Advanced Placement class.

AVID 11 (Y) 11  
Prerequisite: Consent  
The Advancement Via Individual Determination (AVID) elective is a class for Junior students who have been selected to participate in the AVID program. Students will develop and reinforce attitudes, skills, and knowledge to successfully enter and complete a college prep curriculum in high school. Students will learn and apply study skills and learning strategies to improve performance in the content areas. Writing, inquiry, collaboration, and reading skills will be emphasized. Students in the AVID program are required to be enrolled in at least one Honors or Advanced Placement class.

AVID 12 (Y) 12  
Prerequisite: Consent  
The Advancement Via Individual Determination (AVID) elective is a class for Senior students who have been selected to participate in the AVID program. Students will develop and reinforce attitudes, skills, and knowledge to successfully enter and complete a college prep curriculum in high school. Students will learn and apply study skills and learning strategies to improve performance in the content areas. Writing, inquiry, collaboration, and reading skills will be emphasized. Students in the AVID program are required to be enrolled in at least one Honors or Advanced Placement class.

MENTOR LEADERSHIP (S) 11, 12 (Fall Only)  
Prerequisite: Consent  
Boomerang Project (Link Crew) Mentors receive extensive training that develops their leadership skills as well as providing them with a vision of what it means to be a role model in their high school. Commitments to this program include: enrollments in the fall Mentor Leadership class, availability for two-and-a-half-day training
sessions outside the school days, participation in five social events that directly involve ALL freshmen, and an obligation to deliver activities designed to inspire educate and connect ninth graders academically and socially during Charger Time/Scot Time/Trojan Time. The intent of Mentor Leadership is to establish and maintain a positive effect on ALL freshmen while promoting social connectedness in school that ultimately contributes to academic success. Mentor Leaders are identified through an application process and/or through teacher recommendations that take place during the spring semester. This course may be taken more than once.

1389 PEER TUTOR PROGRAM (S) 11, 12  
Prerequisite: Consent  
This program provides an opportunity for juniors and seniors to tutor students in various subjects. Students will be trained in tutoring skills in order to provide academic assistance to their peers. Tutors are identified or approved through an application process and/or through teacher recommendations. Excellent attendance is mandatory. Students may opt to take this course for elective credit or community service. The course may be taken more than once. Applications are available from the curriculum coordinator or the literacy coach.

1390 INDEPENDENT STUDY (S) 12  
Prerequisite: Consent  
This program is open to seniors who wish to study subject matter of particular interest that is not offered in the regular curriculum. Requirements include required media center research, a finished project or product, and an oral examination. Students interested in independent study must choose an advisor willing to sponsor them, study independently, and complete their project/product. All independent study programs for the fall semester must be submitted and approved by May 15 of the preceding year. All independent study programs for the spring semester must be submitted and approved by November 15. See the Counselor for an application.

8590 INDEPENDENT STUDY, GIFTED (S) 9, 10, 11, 12  
Prerequisite: Consent  
See the gifted education facilitator for information. The deadline for the completed application is November 15th for 2nd semester courses and April 15th for 1st semester courses. See the Counselor for an application. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

1415 ACADEMIC SUPPORT (S) 9, 10, 11, 12  
Prerequisite: Referral from Division Administrator or Counselor  
Academic Support requires referral from the student’s division administrator or counselor, the student’s willingness to set personal goals, sign an academic performance contract, and complete coursework in all classes. Students will not receive credit for this course. Only with the approval of the division administrator and counselor will students be assigned for the purpose of credit recovery.

1450 WORK FOR CREDIT (S) 12  
Prerequisite: Consent  
This program is designed to provide an opportunity for students to earn high school credit in a work-study experience. To qualify for the program, the student must be classified as a senior and be enrolled in four other high school classes. A maximum of 4.0 credits can be earned.

1468 ADVANCED PLACEMENT CAPSTONE SEMINAR (Y) 11, 12  
In this yearlong course, students develop and strengthen analytic and inquiry skills, exploring two to four relevant issues chosen by the student and/or teacher. For example, students might explore the question of whether national security is more important than a citizen’s right to privacy, or whether genetic engineering is a benefit to society.

1470 LEADERSHIP STUDIES 1 (S) 9, 10, 11, 12  
This introductory course to leadership will focus on the habits of effective leadership combined with self-reflection. Students will also explore different models of leadership and leadership styles as well as identify their own leadership style tendencies. Students will plan and execute service learning initiatives in their
community. Students will identify an issue on campus, and plan for a solution to the issue through a campus action project.

1471 LEADERSHIP STUDIES 2 (S) 11, 12
Prerequisite: Leadership Studies 1 (1470)
Students will integrate their learning from Leadership Studies I and their continued work in their leadership focus area courses to complete a Community Action Project. Outcomes include development of individual and interpersonal leadership skills, teamwork and collaboration skills, and an understanding that leadership is more than the exercise of power. They will also learn techniques for embracing and leading change are practiced in a semester-long change project that students will conduct with a community partner in their area of focus.

1472 LEADERSHIP STUDIES 3 (S) 11, 12
Prerequisite: Student must have a 3.0 GPA to meet Washburn’s dual-credit enrollment policy
A survey of leadership theories and introduction to the academic study of leadership using contexts of the leadership process and case studies; requires identifying personal leadership potential, articulating a personalized leadership theory, and applying leadership concepts in a Campus Action Project. This college level -course may be taken for dual high school and college credit. The college credit will be granted by Washburn University, which charges a reduced tuition fee for each credit hour.

1542 HIGH SCHOOL SUCCESSMAKER READING (S) 9, 10, 11, 12
This course is designed to help students develop reading, vocabulary, and comprehension skills.

1418 INTERNSHIP (S/Y) 11, 12
This course can be used for an opportunity a student has to obtain an internship with any agency related to their career goals.

1909 FRESHMAN SEMINAR TIME/CHARGER/TROJAN/SCOT TIME (Y) 9
Seminar Time is a class that provides academic support and enrichment for all students. Topics covered will be school policies, the Positive Behavior Support system, cognitive strategies, self-management skills, college knowledge, and career readiness. The purpose for the class is to provide students with the skills necessary for academic success in high school, as well as preparation for higher education and the world of work. Time is allotted for students to seek academic help from teachers. Students may earn .25 credit per year (1.0 credit/four years).

1910 SOPHOMORE SEMINAR TIME/CHARGER/TROJAN/SCOT TIME (Y) 10
Seminar Time is a class that provides academic support and enrichment for all students. Topics covered will be school policies, the Positive Behavior Support system, cognitive strategies, self-management skills, college knowledge, and career readiness. The purpose for the class is to provide students with the skills necessary for academic success in high school, as well as preparation for higher education and the world of work. Time is allotted for students to seek academic help from teachers. Students may earn .25 credit per year (1.0 credit/four years).

1911 JUNIOR SEMINAR TIME/CHARGER/TROJAN/SCOT TIME (Y) 11
Seminar Time is a class that provides academic support and enrichment for all students. Topics covered will be school policies, the Positive Behavior Support system, cognitive strategies, self-management skills, college knowledge, and career readiness. The purpose for the class is to provide students with the skills necessary for academic success in high school, as well as preparation for higher education and the world of work. Time is allotted for students to seek academic help from teachers. Students may earn .25 credit per year (1.0 credit/four years).

1912 SENIOR SEMINAR TIME/CHARGER/TROJAN/SCOT TIME (Y) 12
Seminar Time is a class that provides academic support and enrichment for all students. Topics covered will be school policies, the Positive Behavior Support system, cognitive strategies, self-management skills, college knowledge, and career readiness. The purpose for the class is to provide students with the skills necessary for academic success in high school, as well as preparation for higher education and the world of work. Time is allotted for students to seek academic help from teachers. Students may earn .25 credit per year (1.0 credit/four years).

1440 VIDEO PRODUCTION 11, 12
Video Production applies the technical skills learned in Audio Video Production Fundamentals by allowing students to orchestrate projects from setting the objectives to the post-production evaluation. The subject of the presentation may be determined in a number of ways, but must address an authentic need. The complexity of the presentation is not the focus of the course, but the experience of the entire process is to include planning the presentation, setting up the studio (if applies), acting as videographer and editor to make it fluid and seamless.

1441 TELEVISION/VIDEO PRODUCTION 1 (S) 10, 11, 12
This course introduces students to audio (radio) and television journalism through hands-on experiences with such equipment as video cameras, editors, switching, and tape recorders. They will learn script writing and production techniques for both informative and entertainment programs. Students will be required to work additional hours outside of class time on production of television programming.

1442 TELEVISION/VIDEO PRODUCTION 2 (S) 11, 12
Prerequisite: Television/Video Production (1441) and Consent
The students in this course will be responsible for producing building video programs. Students also will pursue independent video projects as well as specialized video concepts and the FX process. This course may be repeated with instructor permission.

1467 INTERNATIONAL STUDIES SENIOR CAPSTONE PROJECT (S) 12
Prerequisite: Senior in International Studies Program
This is the culminating course for seniors in the International Studies Program. Based on a student’s individual international course of study, each student will complete an International Studies Project. The formal capstone requirements include the following: 1) Planning – a calendar, checklist of tasks, executive summary, and a proposal presentation to the International Studies Committee, 2) Paperwork – a resume and/or professional portfolio, an explanation of their career aspirations, a research-based component, 3) Internship and/or Field Experience and 4) a Capstone Presentation before administrators, teachers, members of the International Studies Committee, Board of Education members, and their mentor.

9200 JAG Jr. - JOBS FOR AMERICA’S GRADUATES (Y) 11 Placement
JAG-K (Jobs for America’s Graduates - Kansas) is a career exploration and preparation program that provides a hands-on approach in exploring personal strengths and challenges as well as job attainment skills (cover letter, resume, job application, interviewing, etc.) and workplace “survival” skills (interpersonal relations, teamwork, etc.). Students will work to build strengths in academic areas, time management, and communication. The individual and team project work will also help students come to an understanding of personality and temperament and the relationship between personal actions and consequences that follow. Students will make connections to their career interests, abilities, and aptitudes by determining their education and career goals through development of an Individual Career Development Plan. This full-year, credited course involves individual assignments, team activities/projects, academic remediation support, service learning opportunities, guest speakers, field trips, and career exploration through job shadowing and/or an internship. Students will also participate in the JAG-K Career Association in various activities focused on Career and Leadership Development, Service Learning, and Civic/Social Awareness.

9210 JAG Sr. - JOBS FOR AMERICA’S GRADUATES (Y) 12
See course description for #9200.
Physical Education Course Descriptions

6410  **ADAPTIVE PE (Y) 9, 10, 11, 12**
   *Prerequisite: Placement*
   This course is designed for students with disabilities that prevent them from taking regular physical education.

6434  **ADVANCED PHYSICAL EDUCATION 1 (S) 10, 11, 12**
   *Prerequisite: Physical Dimensions of Health (6510)*
   This course is designed for students interested in a combination of both team and lifetime activities. Activities included in Advanced Physical Education 1 are basketball, soccer, team handball, ping-pong/badminton, kickball, quad ball, floor hockey eclipse ball, tennis, and lawn games.

6436  **ADVANCED PHYSICAL EDUCATION 2 (S) 10, 11, 12**
   *Prerequisite: Physical Dimensions of Health (6510)*
   This course is designed for students interested in a combination of both team and lifetime activities. Activities included in Advanced Physical Education 2 are ultimate football, volleyball, speedball, pickle ball, softball, lacrosse, field hockey, and golf and Frisbee golf.

6437  **PHYSICAL EDUCATION SENIOR LEADER (S) 12**
   *Prerequisite: Consent*
   This advanced leadership course is for senior students in physical education. Students will assist the PE teacher in officiating, care of equipment, roll taking, leading exercises, and locker room supervision. The uniform policy applies to this class.

6443  **AEROBIC CONDITIONING (S) 10, 11, 12**
   *Prerequisite: Physical Dimensions of Health (6510)*
   This course combines aerobic activities with weight training to trim and tone the body. Activities include aerobic dance, jazz exercise, steps, stretching, jogging, walking, fitness measurement, strength training, and other related activities.

6447  **STRENGTH CONDITIONING (S) 10, 11, 12**
   *Prerequisite: Physical Dimensions of Health (6510)*
   This rigorous course is designed to develop total body strength, flexibility, agility, and speed. Activities include weightlifting, flexibility exercises, form running, fitness testing, and aerobic conditioning.

6448  **TONING, FITNESS AND CONDITIONING (S) 10, 11, 12**
   *Prerequisite: Physical Dimensions of Health (6510)*
   This rigorous course is designed to help women develop total body strength, flexibility, agility, and speed. Activities include weightlifting, flexibility exercises, form running, fitness testing, and aerobic conditioning.

6450  **INTRODUCTION TO WEIGHT TRAINING (S) 9, 10, 11, 12**
   *Prerequisite: Physical Dimensions of Health (6510) or concurrently with Physical Dimensions of Health (6510)*
   This course will cover proper weight lifting and spotting techniques. Students will demonstrate competence in stretching techniques and improve muscular strength and endurance.

6452  **ADVANCED WEIGHT TRAINING (S) 10, 11, 12**
This course involves advanced strength and power training techniques. The student will be involved in a
comprehensive free weight training program. Plyometric, speed, and Olympic lifting drills will also be used to
enhance athletic skills. Students will be subject to vigorous physical training and testing. This class is oriented to
the student athlete.

**6463  PRECISION DANCE** (Y) 10, 11, 12
Prerequisite: Audition
This course is designed to offer students an opportunity to participate in rhythmic dances, precision drills and
choreographed routines. Performance at home football and basketball games is required. Each student must
purchase a uniform.

**6510  PHYSICAL DIMENSIONS OF HEALTH** (Y) 9, 10, 11, 12
This course provides students with the knowledge and skills needed to engage in a physically active, healthy
lifestyle throughout life. Topics include health-related-fitness, lifetime physical activities, and health/wellness
concepts and skills.

**Resource Course Descriptions**

**8705  READING IMPROVEMENT A** (Y) 9, 10, 11, 12
This course is designed to reinforce and improve basic functional reading skills. The CORRECTIVE READING
LEVEL A curriculum is used in this course. Enrollment in the course is based on a variety of placement criteria
determined by the IEP team.

**8703  READING IMPROVEMENT B1** (Y) 9, 10, 11, 12
This course is designed to reinforce and improve basic functional reading skills. The CORRECTIVE READING
LEVEL B1 curriculum is used in this course. Enrollment in the course is based on a variety of placement criteria
determined by the IEP team.

**8706  READING IMPROVEMENT B2** (Y) 9, 10, 11, 12
This course is designed to continue developing decoding and comprehension reading skills. The CORRECTIVE
READING LEVEL B2 curriculum is used for this course. Enrollment in the course is based on a variety of
placement criteria determined by the IEP team.

**8704  READING IMPROVEMENT C** (Y) 9, 10, 11, 12
This course is designed to continue developing comprehension reading skills. The CORRECTIVE READING
LEVEL C curriculum is used for this course. Enrollment in the course is based on a variety of placement criteria
determined by the IEP team.

**8710  VOCATIONAL INFORMATION** (Y) 10, 11, 12
This community course is designed for career exploration and the development of marketable work skills.
Students must be recommended by their Primary Implementer and meet the criteria established by the Career
Vocational Coordinator. Enrollment in the course is based on a variety of placement criteria determined by the
Individual Education Plan team.

**8711  OCCUPATIONAL EXPLORATION PROGRAM (Off Campus)** (S) 11, 12
This course is designed to provide concepts in career education. Students are provided opportunities and
assistance for becoming aware of, understanding, and appraising individual abilities, potentials, desires, interests,
and needs relative to the career development process. Enrollment in the course is based on a variety of placement
criteria determined by the Individual Education Plan team.

**8715  MATHEMATICAL CONCEPTS AND APPLICATION 1** (Y) 9, 10, 11, 12
This course is designed to develop basic mathematical concepts and application like number sense. The TRANSMATH LEVEL 1 curriculum is used for this course. Enrollment in the course is based on a variety of placement criteria determined by the IEP team.

8716 **ENGLISH LANGUAGE ARTS** (Y) 9
This course is designed to develop basic language arts skills and functional literacy. It can partially or totally fulfill the regular high school English requirements. Topics include developmental reading, vocabulary, writing skills, spelling, and usage. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

8717 **MATHEMATICAL CONCEPTS AND APPLICATION 2** (Y) 9, 10, 11, 12
This course is designed to develop basic mathematical concepts and application like rational numbers. The TRANSMATH LEVEL 2 curriculum is used for this course. Enrollment in the course is based on a variety of placement criteria determined by the IEP team. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

8718 **WORLD HISTORY** (Y) 9, 10, 11, 12
This course in World history/culture is an alternative to the required World History course. The history of major regions of the world will be studied. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

8719 **MATHEMATICAL CONCEPTS AND APPLICATION 3** (Y) 9, 10, 11, 12
This course is designed to develop basic mathematical concepts and application like algebraic thinking. The TRANSMATH LEVEL 3 curriculum is used for this course. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

8721 **US HISTORY 1** (S) 11, 12
This course fulfills the first semester requirement for US History and is the study of significant events in the period from years 1800-1939. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

8722 **GOVERNMENT** (S) 12
This course examines the basic principles of the U.S. Constitution and the responsibilities for good citizenship. Topics include the three branches of national government, state and local government, the elective process, and citizenship. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

8724 **INDEPENDENT SKILLS** (Y) 9, 10, 11, 12
[Used when private school students are taking classes at one of the high schools]
Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

8726 **STUDY SKILLS** (Y) 9, 10, 11, 12
This course offers students the opportunity to receive additional support and tutoring for their other academic classes. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

8728 **WORK STUDY** (Y) 10, 11, 12
Students participate in a school based work experience. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

8730 **PERSONAL DEVELOPMENT** (Y) 9, 10, 11, 12
This course is designed to improve family and peer relationships. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

8734 **BIOLOGY** (Y) 9, 10, 11, 12
This course is designed to fulfill the required Biology course. Topics include health and wellness, first aid, and human biology. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

8735 **EARTH SCIENCE** (Y) 10, 11, 12
This course is designed to fulfill the required science course. Topics include geology, meteorology, astronomy, and oceanography. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

8737 **BIOLOGY 2** (Y) 10, 11, 12
Prerequisite: Biology (8734)
This course is designed to fulfill the second required science course. Topics include ecology, plants, animals, and human biology. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

8738 **PERSONAL FINANCE** (S) 9, 10, 11, 12
This course is designed to develop basic math and reading skills required to be a wise consumer and fulfills the requirement for Consumer Education. Topics include career selection, housing, budgeting, comparison-shopping, transportation, insurance, and income taxes. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

8739 **PHYSICAL SCIENCE** (Y) 10, 11, 12
This course explores the concepts of physical science that are used in everyday experiences. The content emphasizes practical application of information and techniques and includes the metric system; states of matter; the basics of heat, light and sound; and the impact of force, motion, work and machines on our environment. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

8740 **COMMUNICATIONS** (S) 9, 10, 11, 12
This course is designed for the resource student and is an alternate to a speech course. This class is the study of communication and public speaking skills. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

8743 **ENGLISH LANGUAGE ARTS 10** (Y) 10
This course is designed to develop basic language arts skills and functional literacy. It can partially or totally fulfill the regular high school English requirements. Topics include developmental reading, vocabulary, writing skills, spelling, and usage. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

8744 **RESOURCE ALGEBRA** (Y) 9, 10, 11, 12
This course is designed to further develop algebraic concepts such as fractions, percent, whole numbers and variables. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

8745 **ENGLISH LANGUAGE ARTS 11** (Y) 11
This course is designed to develop basic language arts skills and functional literacy. It can partially or totally fulfill the regular high school English requirements. Topics include developmental reading, vocabulary, writing
skills, spelling, and usage. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

8750  **GEOMETRY** (Y) 10, 11, 12
This course is designed to further develop geometric concepts such as coordinate geometry, transformations, and measurement formulas. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

8755  **ALGEBRA PART 1** (Y) 9, 10, 11, 12
This year-long course is designed to follow the first semester curriculum of the general education Algebra course. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

8756  **ALGEBRA PART 2** (Y) 9, 10, 11, 12
This year-long course is designed to follow the second semester curriculum of the general education Algebra course. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

**Intensive Instruction Course Descriptions**

8363  **ENGLISH LANGUAGE ARTS 1** (Y) 9
This course provides instruction and experiences in the functional classroom to learn the basic language arts skills such as alphabet and phonics. Enrollment in the course is based on a variety of placement criteria by the IEP team.

8364  **ENGLISH LANGUAGE ARTS 2** (Y) 10
This course provides instruction and experiences in the functional classroom to provide students’ knowledge on capitalization, punctuation, and develop basic writing skills. Enrollment in the course is based on a variety of placement criteria determined by the IEP team.

8365  **ENGLISH LANGUAGE ARTS 3** (Y) 11
This course provides instruction and experiences in the functional classroom to develop and enhance students’ grammar, vocabulary, and simple sentence construction. Enrollment in the course is based on a variety of placement criteria determined by the IEP team.

8422  **FUNDAMENTALS OF ENVIRONMENTAL SCIENCE** (S) 10, 11, 12
This course provides instruction and experiences in the functional classroom to learn and explore the relationship between humans and the environment. The learning will focus more on the positive and some harmful effects that people do in the environment. Enrollment in the course is based on a variety of placement criteria determined by the IEP team.

8423  **FUNDAMENTALS OF ZOOLOGY** (S) 10, 11, 12
This course provides instruction and experience in the functional classroom to study about animals. The learning will focus on animal life, their classifications, habitats, and their behavior. Enrollment in the course is based on a variety of placement criteria determined by the IEP team.

8427  **FUNDAMENTALS OF US HISTORY 1** (S) 11, 12
This course provides instruction and experience in the functional classroom an understanding about basic American History. The course will discuss about historical events in US History, significant American presidents, and how life is back then. Enrollment in the course is based on a variety of placement criteria determined by the IEP team.

8439  **SIMPLE MEALS** (S) 9, 10, 11, 12
This course provides instruction and experience in the functional classroom to learn and enhance in the area of food preparation. The course will tackle on familiarity and usage of kitchen utensils and appliances. It will discuss simple recipe directions and how to prepare meals by themselves or with less supervision.

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<tr>
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<th>Grade Levels</th>
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<tbody>
<tr>
<td>8442</td>
<td><strong>WORK STUDY</strong> (S) 9, 10, 11, 12</td>
<td>(S) 9, 10, 11, 12</td>
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<td>This course provides instruction and experience in the functional classroom to develop an effective work system. It will discuss how to make a schedule and how to set priorities. Enrollment in the course is based on a variety of placement criteria determined by the IEP team.</td>
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<tbody>
<tr>
<td>8443</td>
<td><strong>LEISURE TIME</strong> (S) 9, 10, 11, 12</td>
<td>(S) 9, 10, 11, 12</td>
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<td></td>
<td>This course provides instruction and experience in the functional classroom to learn and explore different variety of leisure activities and places where they can find wholesome entertainment. Enrollment in the course is based on a variety of placement criteria determined by the IEP team.</td>
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<tbody>
<tr>
<td>8450</td>
<td><strong>CONSUMER ECONOMICS</strong> (S) 9, 10, 11, 12</td>
<td>(S) 9, 10, 11, 12</td>
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<td></td>
<td>This course offers instruction and experiences in the functional classroom with household budgets, purchases, use of cash money, checking accounts and savings accounts. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.</td>
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<tbody>
<tr>
<td>8455</td>
<td><strong>HOME LIVING SKILLS</strong> (Y) 9,10,11,12</td>
<td>(Y) 9,10,11,12</td>
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<td></td>
<td>This course provides instruction and experience in the functional classroom in daily household routines, personal grooming, clothing selection and care, simple meals and snacks. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.</td>
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<tbody>
<tr>
<td>8459</td>
<td><strong>FUNCTIONAL COMMUNICATIONS</strong> (S) 10, 11, 12</td>
<td>(S) 10, 11, 12</td>
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<td></td>
<td>This course provides instruction and experience in the functional classroom to develop foundational verbal and nonverbal communication. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.</td>
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<tbody>
<tr>
<td>8460</td>
<td><strong>FUNCTIONAL READING</strong> (S) 9, 10, 11, 12</td>
<td>(S) 9, 10, 11, 12</td>
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<td></td>
<td>This course provides instruction and experiences in the functional classroom to develop students’ reading and comprehension skills. Enrollment in the course is based on a variety of placement criteria determined by the IEP team.</td>
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<tbody>
<tr>
<td>8461</td>
<td><strong>READING FOR ENJOYMENT</strong> (S) 10, 11, 12</td>
<td>(S) 10, 11, 12</td>
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<td></td>
<td>This course provides instruction and experience in the functional classroom to student interaction with literary and informational text either through listening or viewing. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.</td>
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<tbody>
<tr>
<td>8462</td>
<td><strong>PRACTICAL WRITING</strong> (S) 9,10,11,12</td>
<td>(S) 9,10,11,12</td>
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<td></td>
<td>This course provides instruction and experience in the functional classroom to increase student’s grammar usage, spelling, personal information, and basic vocabulary. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.</td>
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<tbody>
<tr>
<td>8466</td>
<td><strong>MUSIC EDUCATION</strong> (S) 9, 10, 11, 12</td>
<td>(S) 9, 10, 11, 12</td>
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<td>This course provides instruction and experience in the functional classroom to increase student’s appreciation and awareness of musical concepts. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.</td>
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<tbody>
<tr>
<td>8468</td>
<td><strong>ARTS/CRAFTS FOR LIFE</strong> (S) 9, 10, 11, 12</td>
<td>(S) 9, 10, 11, 12</td>
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</table>
This course provides instruction and experience in the functional classroom to increase student’s appreciation and awareness of art and crafts. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

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<th>Description</th>
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<tbody>
<tr>
<td>8469</td>
<td><strong>FUNDAMENTALS OF BIOLOGY</strong> (<strong>Y</strong>) 9</td>
<td>9</td>
<td>This course provides instruction and experiences in the functional classroom to learn and explore living things with primarily focus on humans and animal life cycles. Enrollment in the course is based on a variety of placement criteria determined by the IEP team.</td>
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<tr>
<td>8470</td>
<td><strong>FUNCTIONAL MATH</strong> (<strong>Y</strong>) 9, 10, 11, 12</td>
<td>9, 10, 11, 12</td>
<td>This course provides instruction and experience in the functional classroom to develop basic understanding of life math skills, including counting, recognizing coins, paper money, and time concepts. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.</td>
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<tr>
<td>8471</td>
<td><strong>FUNDAMENTALS OF ECOLOGY</strong> (<strong>S</strong>) 9, 10, 11, 12</td>
<td>9, 10, 11, 12</td>
<td>This course provides instruction and experiences in the functional classroom in building students’ environmental awareness and knowledge about pollution, land use, resource depletion, and other planning in order to protect the natural environment. Enrollment in the course is based on a variety of placement criteria determined by the IEP team.</td>
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<tr>
<td>8473</td>
<td><strong>FUNDAMENTALS OF BOTANY</strong> (<strong>S</strong>) 9, 10, 11, 12</td>
<td>9, 10, 11, 12</td>
<td>This course provides instruction and experiences in the functional classroom to familiarize students with different kinds of plants, their family characteristics, structures, and life cycles. Enrollment in the course is based on a variety of placement criteria determined by the IEP team.</td>
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<tr>
<td>8474</td>
<td><strong>RECREATIONS/LEISURE LIFE SKILLS</strong> (<strong>S</strong>) 9, 10, 11, 12</td>
<td>9, 10, 11, 12</td>
<td>This course provides instruction and experience in the functional classroom to develop an appreciation and participate in positive, healthy recreational/leisure activities that they can participate in throughout life. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.</td>
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<tr>
<td>8476</td>
<td><strong>PRACTICAL MATH FOR LIFE</strong> (<strong>Y</strong>) 10, 11, 12</td>
<td>10, 11, 12</td>
<td>Prerequisite: Functional Math (8470) This course provides instruction and experience in basic math skills for life.</td>
</tr>
<tr>
<td>8482</td>
<td><strong>FUNDAMENTALS OF US HISTORY 2</strong> (<strong>S</strong>) 11, 12</td>
<td>11, 12</td>
<td>This course provides instruction and experience in the functional classroom an understanding about basic American History. The course will discuss about historical events in US History, significant American presidents, and how life is back then. Enrollment in the course is based on a variety of placement criteria determined by the IEP team.</td>
</tr>
<tr>
<td>8483</td>
<td><strong>FUNDAMENTALS OF US GOVERNMENT</strong> (<strong>S</strong>) 12</td>
<td>12</td>
<td>This course provides instruction and experiences in the functional classroom to learn about the three branches of the government and their respective responsibilities. Further discussion will include people who are connected to these branches. Enrollment in the course is based on a variety of placement criteria determined by the IEP team.</td>
</tr>
<tr>
<td>8487</td>
<td><strong>FUNDAMENTALS OF WORLD HISTORY</strong> (<strong>Y</strong>) 9</td>
<td>9</td>
<td>This course provides instruction and experiences in the functional classroom to provide learning and information about different countries around the world, the people, their culture, climate, and government. Enrollment in the course is based on a variety of placement criteria determined by the IEP team.</td>
</tr>
</tbody>
</table>
**PERSONAL GROOMING** (S) 10, 11, 12
Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

**PREVOCATIONAL SKILLS** (S) 10, 11, 12
Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

**VOCATIONAL TRAINING** (Y) 9, 10, 11, 12
The instruction is designed to provide student’s basic work readiness skills and behaviors, vocational training and opportunities to work in the community. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

**DAILY LIVING SKILLS** (S) 9, 10, 11, 12
This course is designed to help students develop daily living skills in order to prepare them for independent or semi-independent living. During the course the student will work to improve and develop self-concept, problem solving skills, decision-making skills, a healthier lifestyle, and life management. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

**DESIGN** (S) 9, 10, 11, 12
This course introduces students to the products, processes, and values of design. Design is recognized as a process of building by selecting the elements of the visual arts (line, shape, color, form, texture) and arranging them in unified two- and three-dimensional forms. Course work will be adapted to individual levels of performance and skills. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

**ART FOR LIVING** (S) 9, 10, 11, 12
This course introduces students to the products, processes, and values of design. Design is recognized as a process of building by selecting the elements of the visual arts (line, shape, color, form, texture) and arranging them in unified two- and three-dimensional forms. Course work will be adapted to individual levels of performance and skills. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

**PRACTICAL FOODS** (S) 9, 10, 11, 12
This course emphasizes the importance of good nutrition, the development of food preparation skills, food purchasing and storage information, kitchen safety, and the use of kitchen appliances and equipment. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

**LIFE SKILLS MATH** (Y) 9, 10, 11, 12
Prerequisite: Practical Math of Life (8476)
Life Skills Math is designed to prepare students for independence. Students will gain competencies in math for daily living and basic employment. Remediation of basic skills and compensatory techniques will also be an integral part of instruction. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

**INDIVIDUAL SPORTS** (Y) 9, 10
This course is required of all freshmen and is an elective for sophomores. It is a coeducational, beginning course encompassing many different, individual and team activities that will vary according to equipment, facilities, weather and teacher prerogative. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

**SURVEY OF MUSIC 1** (S) 9, 10, 11, 12
This course is designed as a general overview of the basic components of instrumental and vocal music. It will provide opportunities for students to listen intelligently and sensitively. Listening activities, discussion, and hands-on experiences will be utilized to familiarize students with the literature of music, its history, styles, forms, vocabulary and other aspects that contribute to the basic knowledge and appreciation of the art. Musical concepts to be explored are: listening, playing instruments, melody, rhythm, harmony, acoustics and form. It is designed for students with average to above ability. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

8537  **SURVEY OF TECHNOLOGY** (S) 9, 10, 11, 12  
This is an exploratory experience in which students are introduced to technology and the many facets of our industrial, technical society. This course is designed to help students form safe habits and to introduce them to a variety of tools, machines, materials, and processes. The hands-on approach is designed to be stimulating and to encourage further study. Topics include woodworking, metalworking, electricity, and power mechanics. Enrollment in the course is based on a variety of placement criteria determined by the Individual Education Plan team.

**JROTC Course Descriptions**

1301  **AEROSPACE SCIENCE 1** (Y) 9  
This first-year course traces the development of aviation from man’s attempts to fly with bird-like wings to modern aircraft. Cadets learn about the structure of present day U.S. armed forces and military careers and students develop an understanding of fellowship, study military customs and courtesies, learn how to appropriately wear the uniform, and begin basic drill. There are many opportunities for leadership positions. This course also includes a Physical Training (PT)/Wellness Program common to all Aerospace Science courses. The PT program is an exercise program focused upon individual baseline improvements with the goal of achieving a Presidential Physical Fitness standard calculated with age and gender. The PT program provides a standardized fitness program offering substantial individual health improvements. The goal is to motivate cadets to lead active lifestyles beyond program requirements in their student and adult lives.

1302  **AEROSPACE SCIENCE 2** (Y) 10  
This course covers communication, awareness, and leadership from an Air Force (AF) perspective. It provides an introduction to the fundamentals of communication, self-knowledge, and leadership, including such topic as the basic communication process; writing, speaking, listening and critical thinking skills, interpreting events and experiences and building a positive attitude; integrity and character; personality preferences, team building and group dynamics along with resolving conflicts. This course also covers a study in six distinct regions of the globe (Middle East, Asia, Africa, Russia & the Former Soviet Republics, Latin America, & Europe). In each area, the student will learn a brief history, geography, political and economic drivers, religious and cultural heritage of each region along with a view of US interest in the region. Like all Aerospace Science courses, AF Drill and Ceremony will be included. Students will be able to march in a flight performing all basic marching movements. This course also includes a Physical Training (PT)/Wellness Program common to all Aerospace Science courses. The PT program is an exercise program focused upon individual baseline improvements with the goal of achieving a Presidential Physical Fitness standard calculated with age and gender. The PT program provides a standardized fitness program offering substantial individual health improvements. The goal is to motivate cadets to lead active lifestyles beyond program requirements in their student and adult lives.

1303  **AEROSPACE SCIENCE 3** (Y) 11  
This course embraces an emphasis on life skills and career opportunities. Its intent is to help students decide which career path to take after high school, information on how to apply for admission to college, vocational or technical school is also included. Data on how to search for a job is available to students who decide not to go to college or vocational school. Financial planning, to include how to save and spend money wisely; credit card management is also included. Students are informed of real life issues such as understanding contracts, leases, wills, warranties, legal notices, and personal bills. Citizen responsibilities such as registering to vote, jury duty, and draft registration will also be addressed. There is information on how to prepare a résumé and the importance
of good interviewing skills. Additionally, this course studies the Space Environment. The course looks into space technology and both manned and unmanned space flight. Finally, this course continues the AF Drill and Ceremony, and the Physical Training (PT)/Wellness Program. The PT program is an exercise program focused upon individual baseline improvements with the goal of achieving a Presidential Physical Fitness standard calculated with age and gender. The PT program provides a standardized fitness program offering substantial individual health improvements. The goal is to motivate cadets to lead active lifestyles beyond program requirements in their student and adult lives.

1304 AEROSPACE SCIENCE 4 (Y) 12
This course provides exposure to the fundamentals of management. The text contains many leadership topics that will benefit students as well as provide them with some of the necessary skills needed to put into practice what they have learned during their time in AFJROTC. In this course, students manage the entire corps during their fourth year in the AFJROTC program. This hands-on experience affords the cadets the opportunity to put the theories of previous leadership courses into practice. All the planning, organizing, coordinating, directing, controlling, and decision-making will be done by the students (while cadre provides oversight). Students practice their communication, decision-making, personal-interaction, managerial, and organizational skills. This course continues the AF Drill and Ceremony and Physical Training (PT)/Wellness Program. The PT program is an exercise program focused upon individual baseline improvements with the goal of achieving a Presidential Physical Fitness standard calculated with age and gender. The PT program provides a standardized fitness program offering substantial individual health improvements. The goal is to motivate cadets to lead active lifestyles beyond program requirements in their student and adult lives.

1305 AEROSPACE SCIENCE COMMAND AND CONTROL (Y) 11, 12
Prerequisite: Consent
This course is for cadets already enrolled in AS-2-4. This course is primarily for the AFJROTC cadets that have reached the top of the Cadet Group and are, or will be, assigned to positions of leadership within the program. These Cadets focus on organizational, planning, controlling, and directing all aspects of the AFJROTC program. They provide the leadership and direction for all major elements of the program to include: Cadet Organization; Classroom Operations; Cadet Parades; Color Guard and Sabre Team performances; Cadet Chain of Command Communications; Cadet Disciplinary Board Actions; Drill Team Operations; Event Planning & Coordination; Cadet Community Service; and Cadet Recruiting. This top-level group of cadets also provides input into future changes, additions, and the direction of the AFJROTC program.

1306 AEROSPACE SCIENCE DRILL & CEREMONIES (Y) 10, 11, 12
Prerequisite: Consent
Cadets must be enrolled in AS-2, AS-3, or AS-4 to take AS-D&C. This course is for the AFJROTC Cadets that are on the Drill and Ceremonies Teams, including the Armed Drill Team, Unarmed Drill Team, Sabre Team, and Color Guard. These Teams traditionally practice at least five hours per week, before school, all year long. The practices could also take place after school, depending on facility and instructor availability. Cadets in this course compete in Drill Team and Color Guard competitions. They also participate in Community Service activities, to include Parades, Drill Team performances, Color Guard presentations, and Sabre Team events. Selected Cadets are chosen to be Drill Team, Sabre Team, and Color Guard Commanders.

1311 MCJROTC LEADERSHIP EDUCATION 1 (Y) 9, 10, 11, 12
This first-year course introduces cadets to the program. It emphasizes military drill, physical conditioning, and leadership training, and will develop in cadets the self-discipline, self-confidence, and leadership skills necessary for continued participation in MCJROTC as upper-class cadets. Successful completion of LE I and LE II will allow the cadet at the end of both years to have obtained one general elective credit and one physical education credit.

1312 MCJROTC LEADERSHIP EDUCATION 2 (Y) 10, 11, 12
Prerequisite: MCJROTC Leadership Ed. 1(1311)
This course for second-year cadets emphasizes military history and organization. Leadership training is continued with cadets beginning to assume command and leadership roles within the unit. Successful completion of LE I and LE II will allow the cadet at the end of both years to have obtained one general elective credit and one physical education credit.

1313 **MCJROTC LEADERSHIP EDUCATION 3** (Y) 11, 12  
Prerequisite: MCJROTC Leadership Ed. 2(1312)  
This course for third-year cadets emphasizes leadership theory and application. Cadets are assigned command and leadership responsibilities and begin to instruct Leadership I cadets in military drill and to lead physical conditioning activities.

1314 **MCJROTC LEADERSHIP EDUCATION 4** (Y) 12  
Prerequisite: MCJROTC Leadership Ed. 3(1313)  
This course for fourth-year cadets emphasizes advanced leadership training and application with cadets assigned senior command and leadership responsibilities. Senior cadets will exercise organizational responsibility for the MCJROTC unit and accomplish all administrative and operational requirements under the supervision of the Senior Marine Instructor.

1315 **MCJROTC DRILL AND CEREMONIES** (Y) 9, 10, 11, 12  
Prerequisite: Concurrent Enrollment in Leadership Ed.1 (1311), Leadership Ed. 2 (1312), Leadership Ed 3(1313), or Leadership Ed. 4(1314)  
This course teaches the basics of close order drill and military ceremonies to cadets. Cadets are taught to master the individual and unit drill movements required for precision and uniformity and prepares cadets to participate in MCJROTC Advanced Drill and Ceremonies.

1317 **MCJROTC ADVANCED DRILL AND CEREMONIES** (Y) 10, 11, 12  
Prerequisite: Concurrent Enrollment in Leadership Ed. 2(1312), Leadership Ed 3(1313), Leadership Ed. 4(1314), or consent  
This course is designed to allow cadets in the unit’s Color Guard, Drill Team, and Silent Drill Team to master the advanced drill movements required to compete in local, state, and national drill competitions.

1321 **LEADERSHIP EDUCATION TRAINING 1** (Y) 9, 10, 11, 12  
Cadets focus on basic leadership skills, constitutional law, learning the Army uniform and military customs and courtesies. Students completing this first year successfully will receive one elective credit and be eligible for enrollment in the LET 2 program. Successful completion of LE I and LE II will allow the cadet at the end of both years to have obtained one general elective credit and one physical education credit.

1322 **LEADERSHIP EDUCATION TRAINING 2** (Y) 10, 11, 12  
Prerequisite: Leadership Education Training 1 (1321)  
Midlevel leadership studies focused on advanced constitutional law, military history, leadership topics and physical fitness. Cadets are placed in junior leadership roles to coach and teach junior cadets. Successful completion of LE I and LE II will allow the cadet at the end of both years to have obtained one general elective credit and one physical education credit.

1323 **LEADERSHIP EDUCATION TRAINING 3** (Y) 11, 12  
Prerequisite: Leadership Education Training 2 (1322)  
Advanced Leadership Studies with emphasis and advanced leadership theory and application and preparation for post-secondary school career choices. Cadets are placed in mid-level leadership roles within a battalion structure.

1324 **LEADERSHIP EDUCATION TRAINING 4** (Y) 12  
Prerequisite: Leadership Education Training 3 (1323)  
Senior Leadership Studies, primarily an independent study course, the senior cadets fill senior leadership positions within a battalion staff structure. Emphasis is on practical leadership application as cadets run the day to day operations of the battalion.
Science Course Descriptions

5570 **EARTH SCIENCE** (S) 8, 9, 10, 11, 12
This course involves the study of geology, astronomy, meteorology, and oceanography. Some of the topics covered are: deposition and erosion, plate tectonics, natural cycles, gravity, stellar evolution, the solar system, space exploration and movement of the atmosphere. The processes and methods of science are emphasized. Laboratory work involves the use of the scientific method to solve problems and answer questions.

5571 **SPACE SCIENCE** (S) 8, 9, 10, 11, 12
This course involves the study of the space, its characteristics and changes. Some of the topics covered are: gravity, stellar evolution, the solar system, structure and evolution of the universe, and space exploration. The processes and methods of science are emphasized. Laboratory work involves the use of the scientific method to solve problems and answer questions.

5631 **HORTICULTURE 1** (S) 11, 12
Prerequisite: Biology (5640)
This course combines technical and practical information about the art of growing green plants. Topics include plant anatomy, plant identification, bulbs, houseplants, flower arranging, landscaping, and the use of the greenhouse.

5632 **HORTICULTURE 2** (S) 11, 12
Prerequisite: Biology (5640)
This course combines technical and practical information about the art of growing green plants. Topics include greenhouse work, plant cuttings and transplanting, the art of Bonsai, terrariums, hanging baskets, soils, home gardening, seeds, and ecology.

5640 **BIOLOGY** (Y) 8, 9, 10, 11, 12
This course involves the study of living things. The processes and methods of science are emphasized with laboratory work. Topics include characteristics of life, cell structure and function, genetics and cell division, plant and animal structure and function, ecological relationships.

5647 **ENVIRONMENTAL SCIENCE** (Y) 8, 9, 10, 11, 12
This course provides real world context for linking the classroom to the needs of the community - drinking water quality, indoor and outdoor air quality, and maintaining the responsibility that mankind has to the earth. State and city agencies work with students to provide activities, labs, field trips, guest speakers, and web-based instruction.

5644 **HONORS BIOLOGY** (Y) 9, 10, 11, 12
This course provides students who are college-bound or who have a special interest in biology with an in-depth look at biology. Topics include the scientific method, cellular and molecular biology, microbiology, genetics, plants, animals, and ecology.

5645 **ADVANCED PLACEMENT BIOLOGY** (Y) 11, 12
Prerequisite: Biology (5640) or Honors Biology (5644) and Chemistry (5680) or Advanced Placement Chemistry (5685) This college level class with lecture and laboratory instruction expands topics presented in Biology and Honors Biology with an emphasis on biochemical processes. At the conclusion of the course, students have the option of taking the Advanced Placement Biology Examination for college credit. This college-level course may be taken for dual high school and college credit.

5650 **HUMAN ANATOMY & PHYSIOLOGY** (Y) 10, 11, 12
Prerequisite: Biology (5640) or Honors Biology (5644)
This course studies the human body. Topics include tissues, bones and skeleton, muscles, nervous system, eyes and vision, ears and hearing, mouth, stomach and intestines, respiratory structures and breathing, blood, heart and
circulation, the immune system and AIDS, skin, kidneys, endocrine system, and human reproduction. Laboratory work includes the required dissection of mammalian organs and a study of their processes.

5651 ZOOLOGY 1 (S) 10, 11, 12
Prerequisite: Biology (5640) or Honors Biology (5644)
This course focuses on the study of invertebrate animal groups and involves dissection and collection. Topics in evolution, comparative anatomy and physiology, and taxonomy are researched.

5652 ZOOLOGY 2 (S) 10, 11, 12
Prerequisite: Biology (5640) or Honors Biology (5644)
This course focuses on the study of vertebrates and involves dissections and collection. Topics in evolution, comparative anatomy and physiology, and taxonomy are researched.

5660 ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE (Y) 11, 12
Prerequisite: Biology (5640) or Honors Biology (5644), and Chemistry (5680) or AP Chemistry (5685)
This course is a study of current environmental conditions, issues, and problems. Students will study the different types of ecosystems, the use and availability of natural resources, population dynamics, and environmental risks. Students will also explore possible solutions to such environmental issues, population dynamics and environmental risks. Students will also explore possible solutions to such environmental issues as global warming, acid rain, extinction of species, and energy waste by examining current scientific and political thought. This course covers lab procedures that are commonly used to determine the quality of our environment. Students will analyze air, water, food, and soil quality using both qualitative and quantitative methods. This class is especially designed for students who enjoy the outdoors, ecology, and investigating how humans affect the environment.

5671 PHYSICAL SCIENCE: PHYSICAL CONCEPTS (S) 10, 11, 12
Prerequisite: Biology (5640) or Honors Biology (5644) and Algebra 1A/Algebra 1B (5102) or Algebra 1 (5110) or Honors Algebra 1 (5114)
This course is designed to develop an understanding of the processes and methods of science with an emphasis on laboratory work covering the concepts related to basic introductory physics. The course topics include: motion, forces, Newton’s Laws, gravity, work and energy, conservation of energy, momentum, and mechanical waves.

5672 PHYSICAL SCIENCE: CHEMICAL CONCEPTS (S) 10, 11, 12
This course is designed to develop an understanding of the processes and methods of science with an emphasis on laboratory work covering the concepts related to matter and energy basic to Chemistry. The course topics include: Laws of thermodynamics and heat, states of matter, atomic structure, periodic table properties and trends, isotopes, ionic and covalent bonding, Law of Conservation of mass and energy, and types of chemical reactions.

5674 ADVANCED PHYSICAL SCIENCE (Y) 11, 12
Algebra 2 (5130) or Honor Algebra 2 (5124) and Biology (5640) or Honors Biology (5644)
This rigorous course is designed for students who are planning on careers that do not require a science major in college, but would benefit from a physical science background. These careers include nursing, construction, heating & air conditioning, and elementary education. This class focuses on classical concepts of mechanics, heat, sound, and light and modern concepts of electricity & magnetism, and atomic & nuclear physics.

5679 HONORS CHEMISTRY (Y) 10, 11, 12
This course provides students who are college-bound or who have a special interest in chemistry an in-depth look at chemistry. This course is designed to give an understanding of the implications, interactions, and properties involved in chemical reactions. The experimental nature and foundation of chemistry is reinforced by use of numerous laboratory experiments.

5680 CHEMISTRY (Y) 10, 11, 12
Prerequisite: Algebra 1(5110) or Algebra 1 A/B (5102) or Honors Algebra 1(5114)
This course is designed to give an understanding of the implications, interactions, and properties involved in chemical reactions. The experimental nature and foundation of chemistry is reinforced by use of numerous laboratory experiments.

5685 **ADVANCED PLACEMENT CHEMISTRY** (Y) 11, 12  
**Prerequisite:** Algebra 2 (5130) and Physics (5690) or Chemistry (5680) Recommended  
The AP Chemistry course is designed to be the equivalent of a general chemistry course usually taken during the first year of college. The course develops the students’ abilities to think clearly and to express their ideas, orally and in writing, with clarity and logic. Topics explored include: atomic structure and radioactivity, stoichiometry, chemical bonding and the properties of compounds, chemical thermodynamics (energy changes), properties of gases, liquids and solids, properties of solutions, rate (speed) of reactions, chemical equilibrium, reactions of acids and bases, and oxidation/reduction reactions. Emphasis is placed on experimental data collection and analysis, completing chemical calculations, and modeling chemical systems using mathematical and graphical principles. At the end of the course, students may take the AP chemistry exam, and possibly qualify to receive college credit.

5688 **ADVANCED PLACEMENT PHYSICS 1** (Y) 11, 12  
**Prerequisite:** Algebra 2 (5130)  
This course is the equivalent of the first semester of a traditional college-level introductory course in algebra-based physics. The goal is to provide a comprehensive introduction to physics while using classroom and lab techniques that will enhance the appreciation and understanding of science and its methods including motion and mechanics. At the conclusion of the course, students have the option of taking the Advanced Placement Physics 1 examination for college credit.

5689 **ADVANCED PLACEMENT PHYSICS 2** (Y) 11, 12  
**Prerequisite:** Algebra 2 (5130) and AP Physics 1 (5689)  
This course is the equivalent of the second semester of a traditional college-level introductory course in algebra-based physics. The goal is to provide a comprehensive introduction to physics while using classroom and lab techniques that will enhance the appreciation and understanding of science and its methods including optics and electricity. At the conclusion of the course, students have the option of taking the Advanced Placement Physics 2 examination for college credit.

5690 **PHYSICS** (Y) 11, 12  
**Prerequisite:** Algebra 2 (5130) or concurrently Honors Algebra 2 (5124)  
This course is a study of the continuing processes and changes within the physical world. Laboratory experiments are used extensively to introduce and reinforce the theoretical aspects of the subject. Topics include rectilinear, circular and projectile motions and forces, electricity and magnetism, optics and waves, kinetic theory and heat, and matter and atomic structure. Special projects will be incorporated throughout the year including catapults, egg drop competition, mousetrap dragsters, car accident analyses, Rube Goldberg machines, and electric motors.

5694 **APPLIED PHYSICS** (S) 11, 12  
**Prerequisite:** Technical Math  
This course is designed for the student who needs a broad base of physics knowledge and the ability to apply those principles on the job. Applied Physics teaches basic physics principles in an application-oriented setting. This course will be taught by a Washburn Institute of Technology teacher and may be taken for dual high school and college credit.

5698 **ADVANCED PLACEMENT PHYSICS C: Mechanics** (Y) 11, 12  
This course is the equivalent of the first semester of a traditional engineering introductory course in calculus-based physics. Laboratory experiments and data analysis are used extensively to reinforce the theoretical aspects of Newtonian mechanics. At the conclusion of the course, students have the option of taking the Advanced Placement Physics C: Mechanics examination for college credit.
5700  **ASTRONOMY (S) 11, 12**
Prerequisite: Algebra 1(5110) or Algebra 1 A/B (5102) or Honors Algebra 1(5114) and Physical Science 1 (5671A) or Chemistry (5680) or Physics (5690)
This course teaches the composition and structure of the universe that emphasizes properties and motions of bodies in space. Topics include, but are not limited to, historical astronomy, astronomical instruments, the celestial sphere, the solar system, the earth as a system in space, galaxies, and stars.

5710  **ECOLOGY (S) 10, 11, 12**
Prerequisite: Biology (5640) or Honors Biology (5644)
This environmental science course studies the characteristics of the major biological systems of the world such as tundra, deciduous forest, grassland, desert, and rainforest. Emphasis will be placed on the human influence on the environment and what should be done to maintain our existence within our environment. Class discussion, laboratory work and library research will be integral parts of this course.

5800  **SCIENCE LAB ASSISTANT (Y) 11, 12**
Prerequisite: Consent
Students accepted by science teachers for this assignment will receive instruction in the preparation of laboratory materials and will assist the teacher in routine laboratory and classroom duties. Enrollment as a lab assistant does not count toward fulfillment of the science graduation requirement.

Social Studies Course Descriptions

6010  **INTERNATIONAL RELATIONS (S) 11, 12**
This course introduces students to international relations. Students will examine historic and current world political and economic issues using models of international relations theory and will analyze the roles of the various “actors” on the world stage of international relations and diplomacy.

6020  **WEST AFRICAN GEOGRAPHY (S) 9, 10, 11, 12**
The purpose of this course is to provide an interdisciplinary study of West African cultures, ethnic groups, and geography. The interdisciplinary perspective will provide the students with a sound basis for understanding the diversity of West African societies and geography. The course will meet the National Curriculum Standards for Social Studies in the areas of Culture; Time, Continuity, and Change; People, Places, and Environment; Individual Development, and Identity; Individuals, Groups, and Institutions; Production, Distribution, and Consumption; and Global Connections.

6090  **WORLD GEOGRAPHY (S) 10, 11, 12**
This course is designed for freshmen learners to equip them with an understanding of the five themes of geography (location, place, human and environmental interactions, movement, and regions). Students will learn of the physical, political, and cultural worlds, as well as the past, its relationship to the present, and its effect on the future. Students will compare and contrast the economic principles and various government structures of countries around the world.

6100  **WORLD HISTORY (Y) 9, 10, 11, 12**
This course focuses on world history and cultural geography. The history of the world’s major culture areas will be studied in depth from Renaissance to the present. Physical and cultural geography will be integrated into the history ’curriculum.

6104  **HONORS WORLD HISTORY (Y) 9**
This course treats world history topics in depth and requires extensive outside reading. In addition to regular class work, students will complete major projects. Assessment will concentrate on essays, book reviews, interpretation of primary sources, and presentations. This class is geared toward helping prepare students for more advanced classes. Geography will remain an integral part of the course but will be viewed from a more historical perspective. Students are encouraged to participate in Model U.N.
6108  **COLLEGE HISTORY 1* (S) 11, 12**
This college-level course is a survey of American History from the first encounters between American Indians, Europeans, and Africans through the period immediately following the Civil War, which introduces students to the study of the past familiarizes them with records of American experiences. It exposes students to political, economic, social and intellectual forces shaping the American heritage and contributing to the nation’s development. This course may be taken for dual high school and college credit. The college credit will be granted by Washburn University for History of the United States through the Civil War – HI 111. In order to earn college credit a fee payable to W.U. is required.

6109  **COLLEGE HISTORY 2* (S) 11, 12**
This college-level course is a survey of American History from the emergence of an urban and industrial society after the Civil War to the present, which introduces students to the study of the past and familiarizes them with records of American experiences. It exposes students to political, economic, social and intellectual forces shaping the American heritage and contributing to the nation’s development. This course may be taken for dual high school and college credit. The college credit will be granted by Washburn University for History of the United States though the Civil War – HI 112. In order to earn college credit a fee payable to W.U. is required.

6111  **US HISTORY 1 (S) 11, 12**
This course focuses on significant events in the period from the years 1800-1939. Topics include the developments leading to the United States becoming a world power, World War I, The Roaring 20’s, and The Great Depression.

6112  **US HISTORY 2 (S) 11, 12**
This course focuses on the period following The Great Depression. Topics include World War II, Cold War, Vietnam, the Civil Rights Movement and events leading to our nation’s current challenges.

6116  **AFRICAN-AMERICAN HISTORY 1 (S) 10, 11, 12**
This course explores the history and culture of African-Americans and their contributions to western society from 1492-1865. Events are linked to current social issues.

6117  **AFRICAN-AMERICAN HISTORY 2 (S) 10, 11, 12**
This course continues to explore the events, personalities, and the contributions of African-Americans in the African Diaspora, 1860 to the present. Events are linked to current social issues.

6128  **ADVANCED PLACEMENT U.S. GOVERNMENT AND POLITICS (S) 12**
Prerequisite: US History 2 (6112) or AP US History 2 (6138)
This college-level course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. Topics include the Constitutional underpinnings of U.S. government, political parties and behaviors, interest groups, national institutions, public policy, and civil rights and liberties. At the completion of the course, students will have an opportunity to take the Advanced Placement U.S. Government and Politics Exam.

6129  **AP COMPARATIVE GOVERNMENT AND POLITICS (S) 11, 12**
Prerequisite: US History 2 (6112) or AP US History 2 (6138)
This class introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. The course aims to illustrate the rich diversity of political life, to show available institutional alternatives, to explain differences in process and policy outcomes, and to communicate to students the importance of global political and economic changes. Comparison assists both in identifying problems and in analyzing policymaking.

6130  **US GOVERNMENT (S) 12**
This course examines the basic principles of the U.S. Constitution and their relationship to well-informed individuals in a free society. Emphasis is placed upon the executive, legislative and judicial branches of national government policy and action in the area of International relations, finance (revenue and budget), current political issue, and review of state and local government structure and function in Kansas.

6137  **ADVANCED PLACEMENT US HISTORY 1** (S) 11, 12
This college-level course fulfills the first semester of the US History requirement. It begins with discovery and settlement and covers through the Civil War and Reconstruction. The class requires personal motivation, responsibility, and commitment and is designed to provide students with analytical skills and factual knowledge to critically address the issues and events in American History. Extensive reading and writing are required. This college–level course may be taken for dual high school and college credit. College credit will be granted by Washburn University or through Washburn University concurrent credit program.

6138  **ADVANCED PLACEMENT US HISTORY 2** (S) 11, 12
**Prerequisite:** AP US History 1 (6137)
This college-level course fulfills the second semester of the US History requirement. It covers US History following Reconstruction to the present. This class requires personal motivation, responsibility, and commitment and is designed to provide students with analytical skills and factual knowledge to critically address the issues and events in American History. Extensive reading and writing are required. This college–level course may be taken for dual high school and college credit. College credit will be granted by Washburn University or through Washburn University concurrent credit program.

6145  **ADVANCED PLACEMENT EUROPEAN HISTORY** (Y) 10, 11, 12
**Prerequisite:** World History (6100) or Honors World History (6104)
This college-level survey course begins coverage with the late Middle Ages. It is taught in the manner of a college course with a special emphasis placed on individual responsibility to read outside of the classroom. Lectures, discussion, and audio-visual aids are used. Extensive reading and writing are required. Students are expected to take the Advanced Placement European History Examination.

6151  **HISTORICAL INQUIRY** (S) 10, 11, 12
This course allows students to practice the skills required of and used by historians in their line of work. Students will (1) learn important methods of research; (2) develop domain-specific reading skills and writing skills; (3) complete an assigned research project; (4) create their own cumulative research project; and (5) apply and develop their historical inquiry skills while working on their project. Topics for the inquiry project could include comparing revolutions across time and place, terrorism, or the influence of social media in politics.

6180  **CURRENT SOCIAL ISSUES** (S) 9, 10, 11, 12
This course is a study of current happenings in the US and the World. Emphasis will be on the media coverage of those events. Topics include global politics, economics, and other events shaping our history today. Better understanding of the dynamics of the world community is highlighted. A variety of materials, including newspapers, magazines, and video recordings of news telecasts are used.

6190  **ECONOMICS** (S) 10, 11, 12
This course meets the requirement for consumer education and offers the minimum economic concepts essential for effective citizenship. The basic institutions of the market system and their relationship to a well-informed functioning individual in a free enterprise economy are examined. Emphasis is placed on supply and demand analysis, competition, international trade, current economic issues, and monetary and fiscal policy in promoting full employment with a stable price level.

6210  **ETHNIC STUDIES** (S) 10, 11, 12
This course focuses on the cultural, economic, and historical contributions of the various ethnic groups in the U.S. Students will learn who these groups are, where they came from, what events and factors caused them to immigrate, and how these groups fared upon arrival. The impact of ethnicity, religion, and cultural background in today’s society is emphasized.

6215  **NATIVE AMERICAN STUDIES** (S) 10, 11, 12  
This course explores the contributions, culture, and history of Native Americans in the U.S. Topics include Native American philosophy, oral and written literatures, dance, music, art, theatre, gender roles, leadership roles, and regional and tribal similarities and differences. The influence of these in U.S. society is emphasized.

6217  **HISPANIC STUDIES** (S) 10, 11, 12  
This course explores the contributions, culture, and history of Hispanic Americans in the U.S. Topics include Hispanic literatures, current events, history, language, and politics. The influence of these in United States society is emphasized.

6270  **PSYCHOLOGY** (S) 10, 11, 12  
This course is the study of human behavior. Students will study body rhythms, states of consciousness, learning, memory, theories of personality, the psychology of child development, adulthood, aging, and stress all in an attempt to understand “why we do what we do.”

6278  **ISSUES IN PSYCHOLOGY** (S) 11, 12  
**Prerequisite: Psychology (6270)**  
This course studies the psychology of motivation, abnormal behavior, methods of therapy and treatment, and the psychology of health, wellness, and disease. Students have the opportunity to study in-depth an area of personal interest.

6279  **ADVANCED PLACEMENT PSYCHOLOGY** (Y) 11, 12  
**Prerequisite: Psychology (6270)**  
This course covers the material tested on the College Board Psychology Examination. Students enrolling should have an interest in a career in psychology or a deep curiosity about the field. The course is taught with a goal of college preparation in mind. Topics included are similar to those in Psychology 6270, but are taught in more detail and depth. Advanced readings, special projects, research, and papers are used as assessment tools. Specific skills such as writing in APA Format and researching psychological journals will be taught. Students are expected to take the Advanced Placement Psychology Examination.

6280  **SOCIOLOGY** (S) 10, 11, 12  
This course studies the patterns of human society. Topics include culture, socialization of the individual, the social organization of groups, social stratification, the role of men and women, social institutions (family, government, economics, education, belief systems, social problems), and racial, ethnic, and religious minorities.

6290  **WOMEN’S STUDIES** (S) 10, 11, 12  
This course explores the effects different cultures have had on women. Students will explore contributions of women to fine arts, politics, literature, business and other areas of interest. Community service, panel discussions, media critiques, and mentorships are a requirement of the class.

**Topeka Center for Advanced Learning and Careers (TCALC)**

**ARCHITECTURE, DESIGN & CONSTRUCTION**

2430  **INTRODUCTION TO INDUSTRIAL TECHNOLOGY** (S) 9, 10, 11, 12  
An introductory level course designed to instruct students in the basic skills necessary to all occupations in the Construction, Manufacturing and Transportation areas. This course will use material drafted by the state department of education.
DRAFTING (ARCHITECTURAL/MECHANICAL) (S) 9, 10, 11, 12
Prerequisite: Intro. To Industrial Technology (2430)
Exposes students to the technical craft of drawing illustrations to represent and/or analyze design specifications and then refine the skills necessary for this craft. Provides students with the knowledge and experience to develop the ability to perform freehand sketching, lettering, geometric construction and Multiview projections, and to produce various types of drawings.

DRAFTING/CAD 1 (Y) 10, 11, 12
Prerequisite: Intro. to Ind. Tech. (2430)
Exposes students to the computer-aided drafting systems available in the industry. Topics include CAD Standards and Applications as well as Drafting Standards and Applications.

ARCHITECTURAL DESIGN (Y) 10, 11, 12
Prerequisite: Drafting/CAD 1 (2436)
This course develops students’ skills in designing and drawing residential and commercial plans, modeling residential or commercial plans, modeling residential or commercial structures, developing background experiences in construction following selected plans, and gaining experiences in using computer drafting programs.

CARPENTRY (Y) 9, 10, 11, 12
Prerequisite: Introduction to Industrial Technology (2430)
This course provides students with basic knowledge and skills required for construction of commercial, residential, and institutional structures. Information and experiences will include construction-related occupations such as carpentry, cabinet making, bricklaying, electrical trades, plumbing, and OSHA Safety. Students will engage in activities such as reading blueprints, preparing building sites, starting foundations, erecting structures, finishing surfaces, and providing structure maintenance.

RESEARCH AND DESIGN FOR PRE-CONSTRUCTION (Y) 11, 12
Prerequisite: Architectural Design (2437)
This is a research and application course covering specific topics in design and pre-construction to include management and “green building” skills.

WOODWORKING PRINCIPLES (Y) 10, 11, 12
Prerequisite: Introduction to Industrial Technology (2430)
This course introduces the student to basic woodworking found at home and in industry and will involve project construction, safety, hand tool skills, power equipment operation, building techniques, planning, organization and related materials. Costs are determined by the project selected.

FURNITURE AND CABINETRY FABRICATION (Y) 11, 12
Prerequisite: Woodworking Principles (2474)
This course is for students who have a serious interest in woodworking and will involve project construction, safety, hand tool skills, power equipment operation, building techniques, planning, organization and related materials with emphasis placed on student designed, planned, and constructed projects. Students must provide their own tape measures. Costs are determined by the project selected.

BAKING & PASTRY ARTS MANAGEMENT

BAKING AND PASTRY I (S) 11, 12
This course looks at the baking and pastry industry, and the equipment and procedures required. Topics include baking science, ingredient function and methods used for a quality product based upon industry standards.

BAKING AND PASTRY II (S) 11, 12
This course builds upon the Baking and Pastry I course by refining and expanding skills of production management. Topics also include analyzing the scientific reactions during production and expanding the skill development to address the finer aspects of the field.

2343 COMMUNITY CONNECTIONS (S) 11, 12  
Prerequisite: minimum of 1.5 credits in an approved CTE pathway  
Community Connections course provide community based/school based learning experiences mainly within the family and consumer sciences classroom. Learning goals are set by the student, teacher and community partners to create experiences and/or discussions to enhance the development of the 21st century skills (i.e., leadership, empathy, communication, problem solving, cooperation, critical thinking, and resource management) needed to be successful in human services/family and consumer sciences related careers. This course may be taken multiple times for credit.

2344 CAREER CONNECTIONS (S) 11, 12  
Prerequisite: minimum of 1.5 credits in an approved CTE pathway  
Career Connections course provide human services/family and consumer sciences related work-based learning experiences (paid or unpaid) outside the traditional classroom. Learning goals are set by the student, teacher and employer/adult mentor to create field experiences and/or discussions related to human services/family and consumer sciences occupational technical skills. This course may be taken multiple times for credit.

EMERGENCY FIRE & MANAGEMENT

2800 INTRO TO LAW AND PUBLIC SERVICE (S) 9, 10  
Introduction to Law and Public Service is an introductory level course in the Emergency & Fire Management Services Pathway. The course will examine law and emergency service-related material and career options in law, public safety, and security. Students will be introduced to the legal system, professional conduct, and safety; there will be an emphasis on a fire science unit.

2802 FIRE SCIENCE I (Y) 10, 11  
Prerequisite: EMT (2804)  
Fire Science 1 is a technical level course in the Emergency & Fire Management Service Pathway. The course will enable the student to perform basic fire service operations and gain basic knowledge of personal safety, personal protective clothing and equipment, fire service tools and equipment, fire behavior, building construction, and tactics and strategies. The student will learn requirements for initial response to hazardous materials incidents and develop team communication skills necessary for emergency operations.

2803 FIRE SCIENCE II (Y) 11, 12  
Prerequisite: Fire Science 2 (2802)  
Fire Science II is an application-level course in the Emergency & Fire Management Service Pathway. The course will provide students with the knowledge and skills needed to perform advanced fire control, hose and appliances, vehicle extrication, fire cause determination, special rescue, public fire education, building construction, fire detection and suppression systems, firefighter safety, communications, and indigent command. Upon completion of Fire Science II, a student will be eligible to test for the National Firefighter I Certification.

2804 EMT (Y) 11, 12  
Prerequisite: Intro to Law and Public Service (2800)  
A technical level course designed to provide skills and knowledge necessary to sit for the EMT certification test. Course is taught by a certified EMT instructor and follows competencies set forth by the certifying agency.

2805 EMT II (S/Y) 11, 12  
An application level course that is continuation of the EMIT I Technical Level course, designed to further students’ knowledge and skills needed to attain the EMT certification.
2806 **PUBLIC SAFETY PHYSICAL EDUCATION** (S) 11, 12
A technical level course designed to assist students enrolled in LPSS Pathway maintain a healthy lifestyle and prepare to take the CPAT Certification Test.

7810 **HAZARDOUS MATERIALS FOR THE FIRST RESPONDER** (S) 11, 12
This course includes first responder operations level training on: HAZMAT incidents; emergency response; hazardous materials, substances, and wastes; the emergency response guidebook (ERG); personal protective equipment (PPE); FRO entry operations; fire control; container identification; decontamination; mitigation; and more.

**ENGINEERING & APPLIED MATH**

5781 **ROBOTICS** (Y) 11, 12
**Recommended: Geometry (5125)**
This course teaches the fundamentals of robotics in an industrial environment. Students learn robot safety, basic maintenance, manual control and fundamental programming skills as applied to robot movement. Students will become familiar with safety procedures, input/output formats and control, and automation best practices. Students will be able to program robots using both actual robots and MotoSim Simulators. Successful students will be awarded Yaskawa Motoman DX100 Basic Programming certificates.

5782 **ADVANCED AUTOMATION ROBOTICS** (Y) 12
**Prerequisite: Robotics (5781)**
This course teaches the advanced techniques of maintaining and programming robotics in an industrial environment. Students learn robot safety and maintenance troubleshooting procedures. The advanced programming techniques addressed include: System and Position variables, Structured Language, Macros, Hot Keys, Job Shifting, and Interference Zones. Successful students will be awarded Yaskawa Motoman DX100 Advanced Programming certificates.

5808 **INTRODUCTION TO ENGINEERING DESIGN** (Y) 11, 12
**Recommended: Engineering Applications (5802) or Integrated Computer Applications (2049)**
Engineering design courses offer students experience in solving problems by applying a design development process. Often using solid modeling computer design software, students develop, analyze, and test product solutions models as well as communicate the features of those models. Students use the design process and industry standard 3D modeling software to design solutions to solve proposed problems.

5816 **PROJECT MANAGEMENT** (S) 11, 12
Project Management courses provide students with the information and skills necessary for success in managing projects and operation logistical ventures in technology, business, and industry. This course covers scheduling of resources (including personnel, budget, timelines, and equipment), utilization of Gantt charts, economic principles within the workplace, and risk management. Other possible topics include developing a business plan, finance, business law, marketing and promotion strategies, insurance employee/employer relations, problem-solving and decision-making, and building leadership skills. These courses may also incorporate a survey of the careers within technology and engineering industries.

7710 **INTRODUCTION TO ENGINEERING** (S) 11, 12
The major focus of the Introduction to Engineering is to expose students to the design process, research and analysis, team work, communication methods, global and human impacts, engineering standards and technical documentation. This course will fulfill a science credit.

**GREEN ENERGY & ENVIRONMENTAL SCIENCE**

5647 **ENVIRONMENTAL SCIENCE** (Y) 10, 11, 12
This course provides real world context for linking the classroom to the needs of the community - drinking water quality, indoor and outdoor air quality, and maintaining the responsibility that mankind has to the earth. State and
city agencies work with students to provide activities, labs, field trips, guest speakers, and web-based instruction. This course fulfills a science credit.

5814 **ENERGY INDUSTRY FUNDAMENTALS** (Y) 11, 12
Energy Industry Fundamentals provides a broad understanding of the electric and natural gas utility industry and the energy generation, transmission, and distribution infrastructure. The course includes business models, regulations, types of energy and their conversion to usable energy such as electric power, emerging technologies, how generated power is transmitted and distributed to the point of use, and the connection to careers in the energy field.

7760 **INTRODUCTION TO ENERGY** (S) 11,12
This course introduces the principles of energy and provides an overview of the energy industry. Students will learn about the history of energy production and costs, the dynamics of world wide energy consumption and growth, the principle methods by which energy is used, and its environmental and financial impacts and consequences.

7762 **ENERGY, POWER AND SOCIETY** (S/Y) 11,12
This course examines the role of energy on this planet, its role in driving ecosystems and society, the modern process of power and energy production by man, the resultant interactions with environment, and the overall relationship between these technologies and the development and structure of society.

7770 **RESEARCH AND DESIGN FOR ENERGY COMPREHENSIVE** (S/Y) 11,12
This course will allow a more in-depth student research experience for projects, workplace and internship opportunities in the field of energy.

7780 **METEOROLOGY** (S/Y) 11,12
Meteorology will familiarize students with earth’s atmosphere and the weather events that take place in it, particularly as related to energy systems. Fundamental chemistry and physics principles are utilized to help explain common weather and phenomena that can be observed throughout the world. This course will count a science credit.

7790 **WIND ENERGY OPERATIONS** (S/Y) 11, 12
This course will examine the fastest growing power source of the 21st century, focusing on it being clean, free and widely available.

**MEDICAL PROFESSIONS**

5801 **MEDICAL INTERVENTIONS** (Y) 11, 12
Recommended: Principles of Biomedical Science (5810)
This class will expand on the skills, knowledge, and careers that were explored in Principles of Biomedical Science. Instead of one individual, students will focus on an entire family, the Smiths. Through this exploration, students learn about the proper detection, prevention, and treatment of genetically inherited diseases. They will also be digging deeper into the methodology of diagnosing and treating diseases through the use of medical technologies and research. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. Students will once again interact with local medical professionals as they complete long-term projects designed to incorporate their knowledge and skill sets with real-world practice.

5803 **PHARMACOLOGY** (S) 11, 12
Pharmacology courses involve a study of how living animals can be changed by chemical substances, especially by the actions of drugs and other substances used to treat disease. Basic concepts of physiology, pathology, biochemistry, and bacteriology are typically brought into play as students examine the effects of drugs and their mechanism of action. Students would have the option to earn Pharmacy Technician Certification Board (PTCB).
5635  **BIOTECHNOLOGY 1** (S/1 credit per semester) 11, 12
Biotechnology is a laboratory-based course integrating the fundamental concepts of the life and physical sciences with the technical skills needed for postsecondary education and to work in a modern laboratory. The course focuses on basic lab methods, critical thinking, and communication skills currently used in the biotechnology industry. Principles of measurements and separation utilized in the laboratory, including but not limited to, pH measurement, spectrophotometry, centrifugation and electrophoresis will be introduced.

5636  **BIOTECHNOLOGY 2** (S/1.0 credit per semester) 11, 12
Prerequisite: Biotechnology 1 (5635)
This course builds on the fundamental principles studied in Biotechnology 1. In addition, issues related specifically to the biotechnology industry, such as understanding the product development process, ethical, legal and social concerns will be addressed.

5637  **BIOTECHNOLOGY 3** (S/1.0 credit per semester) 11, 12
Prerequisite: Biotechnology 2 (5636)
Biotechnology 3 builds on the fundamental principles studied in Biotechnology 2. The course focuses on advanced methods of DNA extraction and testing, protein assay development, recombinant DNA, restriction enzymes and use of living organisms, such as bacteria, in the Biotechnology industry.

5638  **BIOTECHNOLOGY 4** (S/1.0 credit per semester) 11, 12
Prerequisite: Biotechnology 3 (5637)
Biotechnology 4 continues the advanced studies and laboratory skills utilized in the Biotechnology industry including ion-exchange chromatography, SDS-PAGE, polymerase chain reaction, and advanced protein studies.

5810  **PRINCIPLES OF BIOMEDICAL SCIENCE** (Y) 11, 12
Prerequisite: Biology (5640)
Health science courses integrate chemistry, microbiology, chemical reactions, disease processes, growth and development, and genetics with anatomy and physiology of the body systems. Typically, these courses reinforce science, mathematics, communications, health, and social studies principles and relate them to health care.

**SPORTS MEDICINE**

5600  **PHYSICAL THERAPY** (S) 11, 12
Physical Therapy course would provide students with the knowledge and skills necessary to work with patients who need to achieve and maintain functional rehabilitation and to prevent malfunction of deformity. Topics covered typically include therapeutic exercises and activities (such as stretching and strengthening), how to train patients to perform the activities of daily living, the use of special equipment, and evaluation of patient progress.

5601  **SPORTS MEDICINE I** (S) 11, 12
Sports Medicine I will provide students an overview of the specialized health care needed in the wide world of sports and physical activity. Students will learn what sports medicine is and the multidisciplinary approach to athletic health care. The course will also introduce students to basic body systems in addition to the physical and mental demands of physical activity at all levels. The students will be introduced to such things as kinesiology, bleeding and shock, the bones and soft tissue, the foot, ankle and lower leg, the knee, the hip and pelvis, the elbow, wrist, and had, the shoulder, the chest and abdomen, the head and face, the spine and lastly special considerations in athletes. This course fulfills a science credit.

5602  **SPORTS MEDICINE II** (S) 11, 12
Sports Medicine II will provide students a hands-on approach to Athletic Training. Topics to be covered are the central training room, the athletic training student-aid program, emergency preparedness, injury game plan, the pre-participation physical examination, rehabilitation and preseason conditioning, nutrition and the athlete, dietary supplements and performance enhancers, sports psychology, assessment and evaluation of sports injuries,
therapeutic physical modalities, and proper taping and wrapping. This course allows students to do a series of clinical internships with medical professionals in the community pertaining to sports medicine. These internships are designed for students who have a serious interest in pursuing a career in the sports medicine field. This course fulfills a science credit.

7610 SPECIAL HEALTH TOPICS (S) 11, 12
This course will be used to teach special or emerging topics related to sports medicine. The specific material and format will vary by student interest, current events and instruction expertise.

7650 CARE OF ATHLETES (S) 11, 12
Introduction to the concepts of injury prevention, recognition and management, as they related to athletics.

TEACHING AS A PROFESSION

2293 TEACHING AS A CAREER (Y) 10, 11
Recommended: Career and Life Planning (2321)
Teaching as a Career is a technical-level course in the Teaching/Training pathway. It will introduce students to the teaching profession with special focus on the critical shortage areas. This course provides fundamental knowledge of the art and science of teaching with the study of the education profession as a future career choice. It focuses on general theory and practices of learning and teaching; basic principles of educational philosophy; planning and administration of educational activities; school safety and health issues; and the social foundations of education. Students will have multiple supervised observation experiences in diverse classroom environments at various grade levels including pre-kindergarten through high school.

2299 TEACHING INTERNSHIP (Y) 10, 11
Recommended: Teaching as Career (2293) and Human Growth and Development (2280)
Teaching Internship - Teaching internship will introduce students to the principles underlying teaching and learning, the responsibilities and duties of teachers, and the techniques of imparting knowledge and information. These courses typically expose students to and train them in classroom management, student behavior, leadership and human relations skills, assessment of student progress, teaching strategies, and various career opportunities in field of education.

2300 TEACHING OBSERVATION (S) 11, 12
This course provides experiences in classroom observation and participation prior at various grade levels or in the subject areas. Students will observe and participate in two or three different settings.

WEB & DIGITAL COMMUNICATIONS

2176 MULTIMEDIA (Y) 9, 10, 11, 12
Prerequisite: Integrated Computer Applications (2049)
This course is designed to introduce students to the basics of industry-standard software for personal, creative and business use. The students will create presentations (PowerPoint and/or Prezi), manipulate photos (PhotoShop), make 3D home models (Sketchup), make movies (iMovie/MovieMaker), edit music loops (GarageBand/Audacity), create desktop publishing projects (InDesign), create animations (Flash) and get a sampling of other software/skills (HTML – for the web, Illustrator – drawing, and FireWorks). Students will develop an electronic portfolio of the skills they develop with these tools. A final project using a variety of software and techniques learned throughout the year will be required at the end of the course.

2177 WEB DESIGN (Y) 10, 11, 12
Prerequisite: Multimedia (2176)
Students will use DreamWeaver (industry-standard software), HTML and CSS to create web sites. Additional programming skills, such as JAVA scripting, J’Query and other available, current tools will be used to further refine web sites. Students will create their own web site and research current codes in a variety of languages to enhance their web sites. PhotoShop, InDesign, Illustrator and FireWorks will be used as needed to edit photos,
graphics and images for web sites. Throughout the year students will update and maintain the school’s web site. During the second semester of this course students will recreate the school’s existing web site, if needed, and create sites for the community. Attendance and work ethic in the workplace is a vital component of this class and will be strongly emphasized.

2182 PROGRAMMING THE WEB, APPS OR GAMES (Y) 11, 12
Prerequisite: Integrated Computer Applications (2049) & Web Design (2177)
Programming for the Web, Apps or Games is an application-level course in the Web & Digital Pathway. Programming languages can be applied to a variety of projects. Students will independently research and learn a variety of computer languages to design websites, phone apps, and/or games. Students will be encouraged to utilize business partnerships in developing and designing the project(s). Independent learning and completing actual projects with that learning will be expected.

2183 WEB AND DIGITAL COMMUNICATIONS PROJECT MANAGEMENT (Y) 11, 12
These courses examine particular topics in Internet design and applications other than those already described.

5866 PROGRAMMING AND SOFTWARE DEVELOPMENT PROJECT MANAGEMENTS (S) 11, 12
The Programming and Software Development Project Management course provides students with the information and skills necessary for success in managing projects and operating logistical ventures in technology, business, and industry. This course covers scheduling of resources (including personnel, budget, timelines, and equipment), utilization of Gantt charts, economic principles within the workplace, and risk management. Other possible topics include developing a business plan, finance, business law, marketing and promotion strategies, insurance employee/employer relations, problem-solving and decision-making, and building leadership skills. These courses may also incorporate a survey of the careers within technology and engineering industries.

COMPUTER SCIENCE

5820 COMPUTER INTEGRATED MANUFACTURING (Y) 11, 12
Prerequisite: Robotics (5701)
This one-year course enables students to build the core knowledge and skills required in modern advanced manufacturing based on nationally recognized certification supported by the National Association of Manufacturers. Students will learn through animation, video, pictures, drawings, graphics, and hands-on simulators in four modules: Safety, Maintenance Awareness, Quality and Continuous Improvement, and Manufacturing Process and Production. A student can earn The Certified Production Technician Certification after successfully passing each of the four module examinations.

5860 INTRODUCTION TO CODING (S) 9, 10
Students develop an introductory understanding of fundamental computer science concepts and apply computational thinking skills to solve problems through the use of entry level coding tools for computers and/or mobile devices.

5862 ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES (S) 11, 12
AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.

5864 ADVANCED PLACEMENT COMPUTER SCIENCE A (S) 11, 12
Following the College Board’s suggested curriculum designed to mirror college-level computer science courses, AP Computer Science A courses provide students with the logical, mathematical, and problem-solving skills needed to design structured, well-documented computer programs that provide solutions to real-world problems.
These courses cover such topics as programming methodology, features, and procedures; algorithms; data structures; computer systems; and programmer responsibilities.

7920  **COMPUTER PROGRAMMING** (S/Y) 11, 12
This course will provide an introduction to programming practice using a modern programming language, analysis and formulation of problems for computer solution and the systemic design, construction and testing of programs.

**DIGITAL MEDIA**

7910  **DIGITAL MARKETING** (S) 11, 12
Students will study various different digital advertising techniques, payment methods for advertising, ways to get advertisements seen online, and different ways that ads are targeted toward various populations.

**LAW AND PUBLIC SERVICE**

2800  **INTRO TO LAW AND PUBLIC SERVICE** (S) 9, 10
Introduction to Law and Public Service is an introductory level course in the Emergency & Fire Management Services Pathway. The course will examine law and emergency service-related material and career options in law, public safety, and security. Students will be introduced to the legal system, professional conduct, and safety; there will be an emphasis on a fire science unit.

2810  **FIRST AID, CPR, EMR** (S) 9, 10
This course designed to instruct students in the requirements and skills to obtain national certifications for First Aid, CPR and prepare them for the Emergency Medical Responder exam.

2812  **LAW ENFORCEMENT I** (S) 9, 10
The first of two courses designed to provide students with the skills and knowledge necessary to obtain entrance to the Law Enforcement or Highway patrol Academy.

2813  **LAW ENFORCEMENT II** (S) 11, 12
The second of two courses designed to provide students with the skills and knowledge necessary to obtain entrance to the Law Enforcement or Highway Patrol Academy.

7810  **FORENSIC SCIENCE** (S) 11, 12
This course is an introduction to forensics, emphasizing the in biology and chemistry, as well as introductory knowledge and skills needed to pursue postsecondary training in LPSS careers requiring Forensic Science (ie., Forensic Anthropology, Forensic Medicine, Medical Examiner).

7816  **CORRECTIONS OFFICER** (S) 11, 12
This course is designed to provide students with the skills and knowledge needed to obtain entry-level employment as a corrections officer in the local, state and/or federal detention system.

7812  **FORENSIC SCIENCE II** (S) 11, 12
This course follows a comprehensive background in biology and chemistry and provides students with knowledge and skills needed to pursue postsecondary training in LPSS careers requiring forensic science and investigation, as well as examining unsolved cases, historic, current and proposed law applications.

7818  **LAW AND PUBLIC SERVICE INTERNSHIP** (S) 11, 12
This course is designed to provide LPSS students with opportunities to apply skills learned in the pathway to real-life situations in various LPSS careers. Professional Learning Experiences (PLEs) are based the students demonstrated level of engagement, maturity, and ability, as well as on local community partnerships.
CERTIFIED PROTECTION OFFICER (S) 11, 12
This course is designed to provide students with the skills and knowledge needed to obtain national certification as a CPO (Security Guard).

MISCELLANEOUS

WORKPLACE EXPERIENCE (S) 11, 12
Students will apply engineering concepts at the business location or within the school that provides an engineering occupational experience. Safety skills and equipment usage, as well as acute awareness of MSDS (Material Safety Data Sheets) and other safety resources will be practiced.

TECHNICAL MATH (S) 11, 12
This course is designed to meet the needs of technology students from various disciplines and lay the groundwork for applying mathematical concepts and problem solving in fields of engineering, architecture, design, electronics, health and technology fields. Emphasis is on application of mathematics and technology to solve real-world problems.

21st CENTURY GLOBAL COMMUNICATIONS (S) 11, 12
This course provides a global perspective of 21st Century Skills to produce competitive, productive, and communicative individuals. These 21st Century Skills focus on the 3 C's: communication, critical-thinking, and collaboration. This course design includes various communication modules in a global environment (workplace). Students will experience "real world" global communication settings/environment to develop and to hone their soft skills through role-playing activities. Students will learn communication theory and process, elements of inter- and intrapersonal communication, listening skills, organizational communication, collaborative learning and presentation skills, how to use digital media to enhance formal/informal presentations, etc. Students will have a variety of both oral and written communication formats. This course meets the speech requirement for graduation.

PROFESSIONAL AND LEADERSHIP STUDIES 11, 12
This course develops students’ professional and leadership abilities. Special attention is given to the development and demonstration of personal leadership styles and how those behaviors are applied in various organizational settings. Outcomes will provide students more real-life experiences that will be useful to be College and Career-Ready for the workplace. Twelve areas of study provide students the opportunity to learn and practice professional and leadership skills that are critical to success: once they enter the workforce. Leadership, Verbal and Written Communication, Collaboration, Time Management, Goal Setting and Management, Conflict Negotiation and Resolution, Critical Thinking and Problem Solving, Networking, Creativity and Innovation, Technology Adeptness, Ethics, and Safety.

TECHNICAL WRITING (S) 11, 12
This is a course in communicating information about technical subjects in a workplace environment. Students write reports, instructions, summaries, emails, and memos; develop audience awareness skills; develop skills in document layout and design, including electronic formats; and collaborate in a group project.

INTRODUCTION TO AGRICULTURE (S) 11, 12
The Introduction to Agriculture course provides students with the opportunity to explore various aspects of the agricultural industry such as plant science, animal science, agriscience, and agribusiness.

ANIMAL SCIENCE (S) 11, 12
Areas of study in this course include history and domestication, handling and behavior, anatomy and physiology, nutrition, reproduction, genetics, health, selection and marketing of animals.
ANIMAL HEALTH/VET TECH (S) 11, 12
This course will develop students’ understanding of the small and companion animal industry, animal anatomy and physiology, animal nutrition, animal reproduction, animal ethics and welfare issues, animal health, veterinary medicine, veterinary office practices, and animal services to humans.

Trade and Industry Course Descriptions

2476 INTRODUCTION TO TRANSPORTATION (S) 9, 10, 11, 12
This course provides students with the opportunity to learn practical car maintenance skills. They will attain basic skills and knowledge needed to own and maintain a vehicle. The students will learn what to consider when buying a car, shopping for car insurance, acquiring a title, etc.

2477 GENERAL SERVICES 1 (Auto) (Y) 10, 11, 12
Prerequisite: Introduction to Industrial Technology (2430) or Introduction to Transportation (2476)
This course is a technical level course designed to provide students with basic theories and information needed to develop an understanding of automotive and light truck vehicles.

2478 GENERAL SERVICES 2 (Auto) (Y) 11,12
Prerequisite: General Services (2477)
This course is a comprehensive application level course designed to provide students with knowledge in the theory of operation, the equipment and the skills necessary for employment in the field of automotive and light truck service.

2479 GENERAL SERVICES 3 (Auto) (Y) 11,12
Prerequisite: General Services 2 (2478)
This course is an application-level course with advanced competencies and outcomes for students to build upon skills in the General Services 2 course. There is an opportunity for students to complete a Professional Learning Experience in the workplace.

World Language Course Descriptions

3836 MANDARIN CHINESE 1 (Y) 9, 10, 11, 12
This course is an introduction to the Mandarin Chinese language and culture with an emphasis on vocabulary development, idiomatic expressions, correct spelling, pronunciation, basic sentence construction, and career application.

3837 MANDARIN CHINESE 2 (Y) 10, 11, 12
Prerequisite: Mandarin Chinese 1 (3836)
This course is a continued study of Mandarin Chinese and the Chinese culture with an emphasis placed on learning new patterns of speech using a considerable amount of new vocabulary. They will expand their conversational topics to subjects like food, fashion, personalities etc. Students will be able to hold short discussions on these new topics with native speakers. Students will increase reading and writing comprehension in the language.

3838 MANDARIN CHINESE 3 (Y) 11, 12
Prerequisite: Mandarin Chinese 2 (3837)
This course is a continued study of Mandarin Chinese and the Chinese culture. This course will place heavy emphasis on learning about the Chinese culture through the Mandarin Chinese language. Focus will also be placed on learning idioms and their meanings. Students should be able to carry on a lengthy conversation with a native speaker.
MANDARIN CHINESE 4 (Y) 12
Prerequisite: Mandarin Chinese 3 (3838)
This course will bring the students an opportunity to further develop their four language proficiency skills:
listening, speaking, reading and writing in the intermediate to Advanced-level range across the three
communicative modes (interpersonal, interpretive, and presentational) and the five Cs (communication, culture,
connections, comparisons and communities) as defined in the Standards for Foreign Language Learning in the
21st Century.

FRENCH 1 (Y) 9, 10, 11, 12
This course is an introduction to the French language and culture with an emphasis on vocabulary development,
idiomatic expressions, correct spelling and pronunciation, basic sentence construction, and career application.

FRENCH 2 (Y) 10, 11, 12
Prerequisite: French 1 (3841)
This course continues the study of the French language and culture with an emphasis placed on learning new
patterns of speech using a considerable amount of new vocabulary. The majority of the instruction is conducted
in the target language. Students at this level are introduced to the history of France and the Francophone world
through the study of landmarks and places and to modern France and Francophone world through readings,
discussions and visual presentations.

FRENCH 3 (Y) 11, 12
Prerequisite: French 2 (3842)
This third-year language course focuses on the four skills of listening, speaking, reading, and writing. More
emphasis is directed on short compositions and conversations. Grammar is studied at an advanced level. More
extensive background material in French culture and history and that of the Francophone world is included, as
well as current issues involving these areas of the world.

FRENCH 4 (Y) 12
Prerequisite: French 3 (3843)
This fourth-year language course allows qualified students to continue their development of the four skills of
listening, speaking, reading, and writing. This is a more rigorous study of the French language, an over-all
grammar review, and more extensive practice in writing and speaking French. A college-level textbook is used
and a variety of authentic French texts provide a smooth transition to university classes with the goal of receiving
retroactive college credit or scoring well on college placement tests. Students are expected to express themselves
in French both in oral and in written form. Students will pursue fluency through an in-depth study of grammar as
well as French literature, history, and culture to the present day.

ADVANCED FRENCH (Y) 12
Prerequisite: French 4 (3844)
This course is for students who have successfully completed French 4 and wish to continue their studies in French
language, literature, and culture. Course content and structure will be designed to meet the needs, interests and
goals of the members of the class.

FRENCH 5 (Y) 12
Prerequisite: French 4 (3844)
This course provides an opportunity for extensive practice of the skills previously learned. Students will read
more extensive works, write lengthier compositions, and explore advanced forms of expression. Participation in
the Advanced Placement Examination at the conclusion of the course is optional.

GERMAN 1 (Y) 9, 10, 11, 12
This course is an introduction to the German language and culture with an emphasis on vocabulary development,
idiomatic expressions, correct spelling, pronunciation, and basic sentence construction.
GERMAN 2 (Y) 10, 11, 12
Prerequisite: German 1 (3851)
This course is a continued study of the German language and culture with an emphasis on grammar, vocabulary development, idiomatic expressions, correct spelling, sentence structure, speaking and reading comprehension. Students will conduct controlled conversations based on role-playing situations and everyday topics. Continued attention will be given to spelling and pronunciation.

GERMAN 3 (Y) 11, 12
Prerequisite: German 2 (3852)
This third-year language course continues its emphasis on speaking through role-playing situations and discussion of everyday topics. Additional vocabulary categories are introduced and more extensive background material in German culture and history is included. The remainder of the basic German grammar is presented and the entire grammar is extensively reviewed, including an emphasis on short compositions. Students will master lengthier reading selections. An extensive review of German grammar and some cultural materials are included.

GERMAN 4 (Y) 12
Prerequisite: German 3 (3853)
This fourth-year language course allows qualified students to continue more rigorous study of the German language. The goal of this course is to learn to express oneself almost solely in the German language and to rely less and less on English. The students will continue vocabulary development and acquisition of advanced grammar. The students will continue studying German culture and history through readings, lectures and reports. Students will also be introduced to a selection of German literature. A college-level textbook is utilized to provide a smooth transition to university classes in the future with a focus on obtaining retroactive college credit or preparing for college placement tests. Students are expected to express themselves in German both orally and in written form.

ADVANCED GERMAN (Y) 12
Prerequisite: German 4 (3854)
This course is a continuation of the study of the German language and culture with an emphasis on the interests and goals of the individual students including students including oral fluency, selected German literary readings and past and present German culture and civilization, and career applications.

GERMAN 5 (Y) 12
Prerequisite: German 4 (3854)
The study of German beyond the fourth level is available to those students who began their German coursework before their freshman year. Intermediate and advanced materials will be used in order to ease articulation of the students into further language classes. The students will read more extensive works, write lengthier compositions, explore advanced forms of expression and increase their oral fluency. Students have the option of taking the Advanced Placement Examination after completing this course.

SPANISH 1 (Y) 9, 10, 11, 12
This course is an introduction to the Spanish language and culture with an emphasis on vocabulary development, idiomatic expressions, correct spelling, pronunciation, basic sentence construction, and career application.

SPANISH 2 (Y) 9, 10, 11, 12
Prerequisite: Spanish 1 (3891)
This course is a continuation of the study of the Spanish language and culture with an emphasis on vocabulary development; language structure; and aural, oral, and written comprehension of Spanish.

SPANISH 3 (Y) 10, 11, 12
Prerequisite: Spanish 2 (3892)
This course studies technical language structure and continues to develop the skills of reading and writing with an emphasis on the development of the oral and comprehensive skills. Spanish literature is introduced. Special projects are assigned. Videos, short stories, oral tapes and various oral projects are utilized. More extensive vocabulary is introduced and advanced grammar is presented as well as continual review of past grammar.

3894 Spanish 4 (Y) 11, 12
Prerequisite: Spanish 3 (3893)
This course continues the study of the Spanish language through Spanish literature with a special emphasis on the civilization of the Hispanic countries. The student will prepare for in-depth study of the language in college. The course is structured as a comprehensive review of grammar with an emphasis upon conversational and reading skills.

3895 Advanced Placement Spanish Language (Y) 10, 11, 12
Prerequisite: Spanish 3 (3893)
This advanced course provides extensive opportunities in Spanish literature and grammar. The literature section contains various texts such as short stories, classical novels, and selections from periodicals. Advanced review grammar section will be studied containing subtle points of grammar. Students will study the writing of short compositions and business or social letters. A text stressing oral communications with exercises to build both an active and passive vocabulary will be used. Participation in the Advanced Placement Examination at the conclusion of the course is Optional.

3897 Spanish 5 (Y) 12
Prerequisite: Spanish 4 (3894)
This course provides the opportunity for a student to continue study in the language. Literature, cultural readings, and a video program will be used as well as a text to pursue the four skills of reading, writing, speaking, and comprehending. Students will learn and use extensive vocabulary, idiomatic expressions, and complex grammatical forms.

3900 Honors Heritage Spanish (Y) 9, 10, 11, 12
Prerequisite: Placement
This course is designed for students who are proficient in the language either as native-born speakers or as students born in the U.S. who speak Spanish at home. In this class, students will gain a greater understanding of their culture and their language.

Prerrequisito: Prueba de nivel y Ensayo en español
Esta clase está diseñada para estudiantes nativos de español o que hablan mayoritariamente español en su hogar y con su familia. En esta clase, los estudiantes desarrollarán sus competencias académicas de escritura y lectura al mismo tiempo que obtendrán un mayor entendimiento de su cultura y de su lengua.

3950 Español para Hispanohablantes 1 (Y) 9, 10, 11, 12
Prerequisite: Placement test and essay
This course is an introduction to the Spanish language and culture for students who speak Spanish in the home. The main goal of the class is to make the student familiar with reading, writing, grammar, and spelling in Spanish. In order to motivate the students to study the Spanish language and culture, we will also cover topics of interest selected by the students.

Prerrequisito: Prueba de nivel y Ensayo en español
Esta clase es una introducción a la lengua y la cultura española de los países hispanohablantes para estudiantes que hablan mayoritariamente español en su hogar y con su familia. El objetivo principal de esta clase es familiarizar a los estudiantes con el español académico a través de la lectura, la escritura, la gramática, la ortografía y la puntuación del español.
ESPAÑOL PARA HISPANOHABLANTES 2 (Y) 9, 10, 11, 12

Prerequisite: Placement test and essay
This course is an intermediate course of the Spanish language and culture for students who speak Spanish in the home. It focuses on academic Spanish, specifically targeting writing skills including spelling, punctuation and formal written presentations. The class will also increase awareness of the Spanish-speaking world, including both the Spanish language and culture.

Prerrequisito: Prueba de nivel y Ensayo en español
Esta clase es un curso de nivel intermedio de la lengua y la cultura española de los países hispanohablantes diseñado para estudiantes que hablan mayoritariamente español en su hogar y con su familia. El objetivo principal de esta clase es desarrollar y reforzar el español académico a través de la lectura, la escritura, la gramática, la ortografía y la puntuación del español.