

# Hays High School Course Career Guide 2017 - 2018

## Enrollment Dates and Deadlines

**February 27 - Pre-Enrollment information given to students in Seminar.**

**February 27 - 8th Grade Parent/Student Pre-Enrollment Night 6:30 - 9 pm.**

**February 28 - Online Pre-Enrollment begins for HHS students grades 9, 10 and 11.**

**March 6 - 8th Grade Pre-Enrollment forms due to HMS Counselors.**

**March 13 -15 - Online Pre-Enrollment for current 8th graders at HMS with HHS Counselors.**

**March 16 - Online Pre-Enrollment closes for current 9th - 11th grades at HHS. Enrollment forms are due.**

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# Contact Information

## Administration:

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 Martin Straub, Principal  
 Tom Albers, Assistant Principal  
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## Special Education/Gifted:

(785) 623-2600  
 Nichole Lind, School Psychologist/  
 Special Education  
 Henry Armknecht, Gifted Education

**Hays High Website:** [www.hayshighindians.com](http://www.hayshighindians.com)

## Address:

2300 East 13th Street  
 Hays, Kansas 67601

# Enrollment Requirements

## HHS GRADUATION REQUIREMENTS

<b>Language Arts</b>	<b>4</b>
<b>Social Studies</b>	<b>3</b>
Which must include 1 credit of American History, 1/2 credit of American Government and 1/2 credit of World History.	
<b>Science</b>	<b>3</b>
<b>Mathematics</b>	<b>3</b>
<b>Physical Education /Health</b>	<b>1</b>
1/2 Physical Education activity and 1/2 Health credit.	
<b>Fine Arts</b>	<b>1</b>
Art Foreign Language Music Language Arts Electives	
<b>Practical Arts</b>	<b>1</b>
Agriscience Business Human Services Industrial Technology	
<b>Computer Technology</b>	<b>1</b>
<b>Elective Studies</b>	<b>8</b>
<b>Total</b>	<b>25</b>

• All students (9,10,11,12) are expected to enroll in a full course schedule (seven units of credit). Fifth year students returning to complete requirements for graduation may enroll in fewer than seven units of credit with the approval of the principal.

## State Graduation Requirements

English—4 credits  
 Math—3 credits  
 Science—3 credits  
 Social Science—3 credits  
 PE/Health—1 credit  
 Fine Arts—1 credit

- One credit is equal to successful completion in a one-year class.
- One-half credit is equal to successful completion in a one-semester class.

## USD 489 Grading Scale

A+	4.0	99-100
A	4.0	96-98
A-	4.0	93-95
B+	3.5	90-92
B	3.0	86-89
B-	3.0	83-85
C+	2.5	80-82
C	2.0	76-79
C-	2.0	73-75
D+	1.5	70-72
D	1.0	66-69
D-	1.0	63-65
F		62 and below

## FR/SO/JR/SR Status

Hays High School determines student classification by the following criteria:

- 0 – 4 Credits = Freshman Status
- 5 – 10 Credits = Sophomore Status
- 11– 17 Credits = Junior Status
- 18+ Credits = Senior Status

## Remedial Opportunities

Remedial assistance is available in English and math during the summer school session. Remedial courses may not substitute for a required course but may be used to complete course work failed during the regular school session. The work successfully completed is considered an extension of the regular session course and is graded accordingly.

## Course Offerings

Hays High School continues to explore new course offerings to better meet the needs of today's students. The course section of this guide describes the many course offerings available. The final scheduling of courses will be subject to pre-enrollment in the course.

## Foreign Exchange Student Policy

Admission of foreign exchange students for first semester shall be made before the beginning of a semester. Foreign exchange students will be enrolled on a space-available basis, subject to class size. All foreign exchange organizations should avoid placement of more than one (1) student of a particular nationality in any one school. Foreign exchange students shall maintain passing grades in all subjects as well as satisfactory discipline and attendance records. If the year that a foreign exchange student attends Hays High School completes their secondary education in that country and qualifies them for high school graduation in that country, the foreign exchange student will be allowed to participate in Hays High's commencement but will not receive a diploma.

## Schedule Changes

All students are required to enroll in 7 units of credit or be approved in order to participate in special programs supervised by the school. Fifth-year seniors may enroll in fewer than 7 units of credit with the approval of the principal.

After the final enrollment for the school semester, schedule changes will be considered only under the following conditions:

- The request has been made by a teacher or administrator to meet the special needs of the students, school, or staff.
- The request has been made by the student and parent on or before the 5th day of the semester.
- Pre-enrollment changes must be made on or before the last day of school.
- All fees must be paid or transferred before getting a new schedule.
- Requests for a schedule change after the 5th day will be considered only with the agreement of the subject teacher, counselor, parent, and administrator that the student is inappropriately placed.
- A grade of "F" for the semester will be placed on the permanent record for any course that is "dropped" without such approval.

## Assessments

**STATE ASSESSMENTS**—Kansas law requires statewide assessment testing of all high school students by the end of a "cohort" year. Currently the annual sophomore cohort assessments are Math & Reading and the junior cohort assessments are Science, Social Studies and Writing. Please note that the subject(s) students are expected to take is determined by the Kansas State Department of Education (KSDE) and is subject to change.

**STAR Enterprise**—Measure of Academic Progress tests are administered to all 9th graders each fall, winter and spring.

**CAREER CRUISING** — is an online career program that will be used beginning 2017-18. The program includes an interest inventory, career information, information about post-secondary institutions, and a scholarship directory.

**ASVAB**—the Armed Services Vocational Aptitude Battery is offered to juniors and seniors investigating career options. The battery of twelve tests measures a student's aptitude in the areas of Verbal, Math, Perceptual Speed, Mechanical, Trade, Technical, and Academic Ability.

**PSAT**—the Preliminary Scholastic Aptitude Test is given in October of each year. This serves as a good practice test for the SAT and is necessary for National Merit Scholarship competition. Students should take this test during their junior year; however, sophomores may take it as a practice test.

**ACT**—the American College Test is required by all Kansas colleges and by many others in the Midwest. The test is offered six times throughout the year. It is recommended that students take the ACT test at least once or twice during the junior year. Students may choose to take the ACT test again in the fall of their senior year.

**SAT**—the Scholastic Aptitude Test(s) are a part of the College Board Testing program and are offered several times during the year. Many selective colleges require these tests.

### SCHOLARSHIP AND POST-SECONDARY PREPARATION

The Guidance Office maintains information relating to scholarship and admission applications. Students should begin planning for post-secondary study during their junior year in high school.

# Kansas Board of Regents

## Qualified Admissions (QA) Precollege Curriculum

Five of the six state universities in Kansas, including Emporia State University, Fort Hays State University, Kansas State University, Pittsburg State University, and Wichita State University, use the standards below to review applicants for undergraduate admission. The University of Kansas has different admission standards from those below, visit [admissions.ku.edu](http://admissions.ku.edu) for more information. Standards are set by the Kansas Board of Regents.

### ACCREDITED HIGH SCHOOL

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 five of the state's universities by completing the Qualified Admissions or Kansas Scholars curriculum with a 2.0 GPA and by meeting one of the following requirements:

- ACT score of at least 21; OR
- SAT score of at least 980; OR
- Graduate in the top 1/3 of your class.

If you enroll in college courses while you are in high school, it is also required that you achieve a 2.0 GPA or higher in those courses.

### QUALIFIED ADMISSIONS PRECOLLEGE CURRICULUM

**Kansas Course Codes** are used to identify courses that fulfill Qualified Admissions curriculum requirements. A complete list of courses is available at the Kansas Board of Regents website: [kansasregents.org/qualified\\_admissions](http://kansasregents.org/qualified_admissions). Additionally, your high school counselor has a list of courses at your high school that fulfill these requirements.

**One unit is equivalent to one year, or two semesters.** Dual enrollment, concurrent enrollment, and online courses may be used to fulfill the Qualified Admissions curriculum requirements. All courses must appear on your high school transcript, and courses completed in middle school or junior high do not fulfill the Qualified Admissions Math requirements.

<u>English</u>	<u>Math</u>	<u>Social Science</u>	<u>Natural Science</u>	<u>Electives</u>
4 approved units, 1/2 may be Speech	Must complete either: <i>Option A</i> - 3 approved units and meet the ACT college readiness math benchmark of 22. <i>Option B</i> - 4 approved units, one of which must be taken in the graduating year.	3 approved units.	3 approved units, one of which must be a full unit of Chemistry or Physics.	3 approved units.

## Kansas Board Of Regents State Scholars Curriculum Requirements

**As a Kansas high school graduate, you may be eligible for one of two state-sponsored scholarship programs:**

- State Scholarship Program
- Minority Scholarship Program

To be eligible for one of these scholarships, you must complete all the required courses for Qualified Admissions Precollege Curriculum plus an additional three units as follows:

**Math**—1 additional unit; total of 4 units required

- In addition to Adv. Algebra I, Adv. Algebra II, and Adv. Geometry, students are required to complete one unit of advanced mathematics selected from Analytic Geometry, Trigonometry, Probability and Statistics, Functions, or Calculus.

**Foreign Language**—2 units required

- Students are required to complete two high school units in one foreign language.

**Natural Science**

- Students are required to complete Honors Biology, Chemistry I Honors and Advanced Physics.

For more information visit the  
Kansas Board of Regents Website  
at  
[www.kansasregents.org](http://www.kansasregents.org)

# KSHSAA - Eligibility Requirements

## Kansas State High School Activities Association (KSHSAA)

**To be eligible for participation in Kansas State High School Activities Association sponsored activities, a student must:**

- have passed at least five new subjects (those not previously passed) during the previous semester or the last semester of attendance;
- be enrolled and attending a minimum of five subjects during the present semester;
- be a bonafide student in good standing;
- have a KSHSAA physical examination on file prior to the first practice;
- refrain from engaging in outside competition in the same sport during a season in which he/she is representing the school.

## Hays High School Activities

### Co-Curricular Activities

FFA	Spring Play	Marching Band
DECA	German Schuelerkongress	Jazz Band
Science Olympiad	Web Design	Concert Band
Math Relays	Applied Graphic Design	Pep Band
Scholars Bowl	Digital Media Design & Production	Freshman Choir
489 News	Orchestra	Chorale
Debate		Concert Choir
Forensics		Chamber Singers
Hays High Industrial Technology Assoc (HHITA)		Musical

### Sports

(F)=Fall - (W)=Winter - (S)=Spring

Football (F)	Boys Golf (S)	Boys Swimming (W)	Boys Track (S)
Boys Cross Country (F)	Girls Golf (F)	Girls Swimming (S)	Girls Track (S)
Girls Cross Country (F)	Boys Soccer (F)	Boys Basketball (W)	Cheerleading
Volleyball (F)	Girls Soccer (S)	Girls Basketball (W)	Dance Team
Boys Tennis (S)	Wrestling (W)	Baseball (S)	Intramurals
Girls Tennis (F)		Girls Softball (S)	Weightlifting Club

### School Wide Organizations

Student Council	Spirit Club
National Honor Society	Hays High Book Club
Leadership Team	Hays High American Red Cross Club

# NCAA Division I - Eligibility Requirements

Additional information regarding NCAA amateurism rules is available on the NCAA's Web site.  
[www.eligibilitycenter.org](http://www.eligibilitycenter.org)

**Core Course Requirement:**

Complete 16 core courses in the following areas:

- 4 years of English
- 3 years of math (Algebra I or higher)
- 2 years of natural/physical science (1 year of lab if offered)
- 1 year of additional English, math or natural/physical science
- 2 years of social science
- 4 years of additional courses (any area above, foreign language or comparative religion/philosophy)

**Full Qualifier**

- Complete 16 core courses:
  - Ten of the 16 core courses must be completed before the seventh semester (senior year) of high school
  - Seven of the 10 core courses must be in English, math or science
- Earn a core-course GPA of at least 2.300
- Earn the ACT/SAT score matching your core-course GPA on the Division I sliding scale (see below)
- Graduate high school

**Academic Redshirt**

- Complete 16 core courses
- Earn a core-course GPA of at least 2.000
- Earn the ACT/SAT score matching your core-course GPA on the Division I sliding scale (see below)
- Graduate high school

**NCAA DIVISION I  
 CORE GRADE-POINT AVERAGE/TEST-  
 SCORE SLIDING SCALE B  
 NEW CORE GPA/TEST SCORE INDEX**

Note: Edgenuity courses, offered through The Learning Center, do not count toward the 16 NCAA core courses.

Core GPA	Minimum SAT (combined verbal & math)	Minimum ACT (sum of scores)	Core GPA
3.550 & above	400	37	
3.500	420	39	
3.350	480	43	
3.250	520	46	
3.000	620	52	
2.950	640	53	
2.900	660	54	
2.850	680	56	
2.750	720	59	
2.725	730	60	
2.600	780	64	
2.500	820	68	
2.400	860	71	
2.300	900	75	

**DIVISION I**

**Full Qualifier:** College-bound student-athletes may practice, compete and receive athletic scholarships during their first year of enrollment at an NCAA Division I school.

**Academic Redshirt:** College-bound student-athletes may receive athletic scholarships during their first year of enrollment and may practice during their first regular academic term, but may NOT compete during their first year of enrollment.

**Nonqualifier:** College-bound student-athletes cannot practice, receive athletic scholarships or compete during their first year of enrollment at an NCAA Division I school.

A complete sliding scale is available on the NCAA's Web site.  
[www.eligibilitycenter.org](http://www.eligibilitycenter.org)

# NCAA Division II- Eligibility Requirements

## Core Courses: (16)

A) Beginning August 1, 2018, to become a full or partial qualifier for Division II, all college-bound student-athletes must complete the 16 core-course requirement. See chart below.

## Test Scores

- A) Division II currently requires a minimum SAT score of 820 or an ACT sum of 68. Beginning August 1, 2018, Division II will use a sliding scale to match test scores and core-course grade-point averages (GPA). See scale below.
- B) The SAT score used for NCAA purposes includes only the critical reading and math sections. The writing section of the SAT is not used.
- C) The ACT score used for NCAA purposes is a sum of the following four sections: English, mathematics, reading and science.
- D) When you register for the SAT or ACT use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency. Test scores that appear on transcripts will not be used.

## Grade Point Average

- A) Be sure to look at your high school's List of NCAA Courses on the NCAA Eligibility Center's website (www.eligibility.org). Only courses that appear on your school's approved list of NCAA Courses will be used in the calculation of the core GPA. Use the list as a guide.
- B) The Division II core GPA required to be eligible for competition on or after August 1, 2018 is 2.200 (corresponding test-score requirements are listed on the Division II Competition Sliding Scale).
- C) The minimum Division II core GPA required to receive athletics aid and practice as a partial qualifier on or after August 1, 2018 is 2.000 (corresponding test-score requirements are listed on the Division II Partial Qualifier Sliding Scale).
- D) Remember, the NCAA core GPA is calculated using NCAA core courses only.

## NCAA DIVISION II CORE GRADE-POINT AVERAGE/TEST- SCORE COMPETITION SLIDING SCALE

Core GPA	Minimum SAT (combined verbal & math)	Minimum ACT (sum of scores)
3.300 & above	400	37
3.250	420	39
3.000	520	46
2.850	580	49
2.750	620	52
2.600	680	56
2.500	720	59
2.425	750	61
2.350	780	64
2.250	820	68
2.200	840 & above	70 & above

Note: Edgenuity courses, offered through The Learning Center, do not count toward the 16 NCAA core courses.

- DIVISION II**  
**16 Core Courses**
- 3 years of English
  - 2 years of math (Algebra I or higher)
  - 2 years of natural/physical science  
(1 year of lab if offered)
  - 3 years of additional English, math or natural/physical science
  - 2 years of social science
  - 4 years of additional courses (any area above, foreign language or comparative religion/philosophy)

A complete sliding scale is available on the NCAA's Web site.  
[www.eligibilitycenter.org](http://www.eligibilitycenter.org)



# Earning College Credit

Juniors and Seniors at HHS may earn college credit by:

- successfully completing examination requirements at the end of AP courses offered on the high school campus.
- successfully completing concurrent credit university courses offered through Fort Hays State University, Barton Community College or North Central Kansas Technical College on the high school campus.
- successfully completing university courses on the Fort Hays State University or the NCK Tech campuses with the expressed permission of parents and school. (Only seniors have this option.)

NOTE:

- 1) Students must be accepted to FHSU, NCK Tech (or other accredited institutions) according to guidelines for enrollment and:
  - be a student in good standing at HHS.
  - have the written approval of an HHS official.
- 2) Students may block out only one class period per day for each FHSU or NCK Tech course taken on campus.
- 3) Credit will be awarded at a rate of 1 credit per 5-hour course and 0.5 credit per 3-hour course. It is the student's responsibility to provide the Hays High Registrar with proof of final grades from FHSU or NCK Tech classes if they wish to have the credits reflected on their HHS transcript.
- 4) Students participating in advanced studies (university or technical school) during the school day will be under the direct supervision of their school counselor.
- 5) Students attending FHSU or NCK Tech during the day are required to complete class attendance rosters. Rosters must be turned into the Counseling Office by required dates.

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## ADVANCED PLACEMENT COURSES

Advanced Placement courses are designed to provide high school students with more complex and rigorous academic content comparable to the demands of college level course work. The program also provides opportunity to earn college credit or its equivalent through the AP testing program. At the conclusion of each advanced placement study, students are expected to take the corresponding advanced placement examination of the College Entrance Examination Board. Fees for the examination are the responsibility of each student. Although not all colleges and universities grant credit for qualifying grades on advanced placement examinations, over 400 institutions do grant credit.

**•Since much greater demands are placed on those students who participate in AP courses, enrollment will be screened.**

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## CORRESPONDENCE/ONLINE VIRTUAL COURSES

Any course taken by correspondence for high school credit must have the approval of the principal prior to enrollment in the course. Correspondence courses may not be used to replace a required course unless and until all resources within the school curriculum have been exhausted.

All expenses associated with independent study courses are the responsibility of the student.

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## TESTING OUT

College Level Examination Program tests are available to students. Please see Board of Education policy handbook for more information.



# Earning Concurrent College Credit BCC/FHSU/NCK Tech Eligibility Requirements

**All Juniors and Seniors desiring concurrent credit must meet eligibility requirements due to a directive of the Kansas Board of Regents.**

**The student eligibility requirements for FHSU concurrent credit courses are as follows:**

- 1) To enroll in MATH 110, College Algebra, a student must meet one of the following criteria:
  - a) ACT math and science subtest total of at least 40 with neither score below 18
  - b) Have a score of at least 15 on the FHSU math placement exam.
- 2) To enroll in any other FHSU concurrent enrollment class, a student must meet one of the following criteria:
  - a) ACT composite score of at least 21
  - b) PSAT Selection Index of at least 150
  - c) SAT combined verbal and mathematical score of at least 1000
  - d) PLAN test composite of at least 21
  - e) STAR Reading score of at least 50th percentile

**The student eligibility requirements for BCC and NCK Tech concurrent credit courses are as follows:**

A test is not required for students to enroll in BCC or NCK Tech concurrent credit courses. However, students should not enroll in Concurrent Credit unless they have a minimum core grade point average of at least a “C”.

## Enrollment Dates

The official FHSU, BCC and NCK Tech enrollment for tuition payment and book fees for concurrent courses will be held at Hays High in August and January for the fall and spring courses respectively.

## Books for Class

Students will need to purchase any required books for the concurrent credit courses.

## Transfer of Concurrent Credit

To be certain that credits will transfer to the college or university where you plan to obtain your degree, check with your chosen college/university.

# Concurrent Enrollment Courses at Hays High School 2017-2018

## NCK Tech College

HHS Course Title	NCK Course Title	NCK Credit Hours
Sociology	SOC - 135 Introduction to Sociology	3

## NCK Tech Concurrent Credit Cost

The cost of the courses, which will be revised by NCK annually, was \$109.00 per credit hour in 2016-17. Students will need to purchase any required books for the concurrent credit courses.

Additionally there will be a one time application fee of \$50 if the student has not already applied for admission to NCK.

# Concurrent Enrollment Courses at Hays High School 2017-2018

## Fort Hays State University

HHS Course Title	FHSU Course Title	FHSU Credit Hours
AP English IV	ENG 101 - English Composition I	3
AP English IV	ENG 125 - World Literature and the Human Experience	3
Psychology	PSY 100 - General Psychology	3
Advanced Physics	PHYS 104 - Conceptual Physics	3
Chemistry II Honors	CHEM 112/112L - General Chemistry/Lab	3
Human Biology	BIOL 100 - Human Biology	3
Human Biology	BIOL 102 - Laboratory Experiences in Biology	1
Calculus Methods/Fall	MATH 130 VA - PreCalculus Mathematics	3
Calculus Methods/Spring	MATH 331 - Calculus Methods	3
Introduction to Leadership Studies	LDRS 120 - Issues in Leadership: Intro to Leadership Concepts	3
<u>The courses listed below are required to be taken for college credit and may not be taken for high school credit only.</u>		
College Algebra - Fall/Spring	MATH 110 - College Algebra	3
Elements of Statistics	MATH 250 - Elements of Statistics	3
Fundamentals of Oral Communication	COMM 100 - Fundamentals of Oral Communication	3
Intro to Computer Information Systems	INF 101 - Intro to Computer Information Systems	3

### FHSU Concurrent Credit Cost

The cost of the courses, which will be revised by FHSU annually, was \$207.24 per credit hour in 2016-2017. Additionally there will be a one time matriculation fee of \$30 if the student has not already applied for admission to FHSU.

### PEACE Award

In the past FHSU has offered the Ellis County Partnership for Educational Assistance for Concurrent Enrollment Award (PEACE Award) of \$40 per concurrent credit hour awarded after successful completion of a course, to be used toward another FHSU course within 12 months. The continuation of the PEACE Award Program is contingent on an annual review by FHSU Officials.

## Barton Community College

HHS Course Title	BCC Course Title	BCC Credit Hours
Graphic Design	GRPH 1056 - Vector Image Development	3
Graphic Imaging	GRPH 1054 - Digital Image Editing	3
Spanish III	LANG 1908 - Elementary Spanish I	5
Spanish IV	LANG 1910 - Elementary Spanish II	5
American History	HIST 1402 - Am History 1877 To Present	3
AP U.S. Government	POLS 1800 - Government of the United States	3
AP U.S. History (Fall)	HIST 1400 - Am History To 1877	3
AP U.S. History (Spring)	HIST 1402 - Am History 1877 To Present	3

### BOOST Scholarship

BCC offers the Barton Community College Boost Scholarship. Students who receive free or reduced lunches qualify for this scholarship. This scholarship allows qualifying students to take up to 6 credit hours of classes per semester tuition free. However students must purchase their own books. See your counselor for more details.

### BCC Concurrent Credit Cost

The cost of the courses, which will be revised by BCC annually, was \$104.00 per credit hour in 2016-2017. Students will need to purchase any required books for the concurrent credit courses.

# Career Planning Section

The world of work is rapidly changing as existing jobs become more complex and new jobs demand increased levels of education. Students must acquire advanced technical skills, increased academic competencies, and greater problem-solving abilities to become successful citizens and employees for the future.

The purpose of this career planner is to help you as a student make decisions regarding your future as a successful and productive citizen. Colleges, technical schools, and the workplace of the 21st century prefer students who have pursued a long term sequential course of study as opposed to a smorgasbord sampling of subjects. It is the intention of this section to encourage students to:

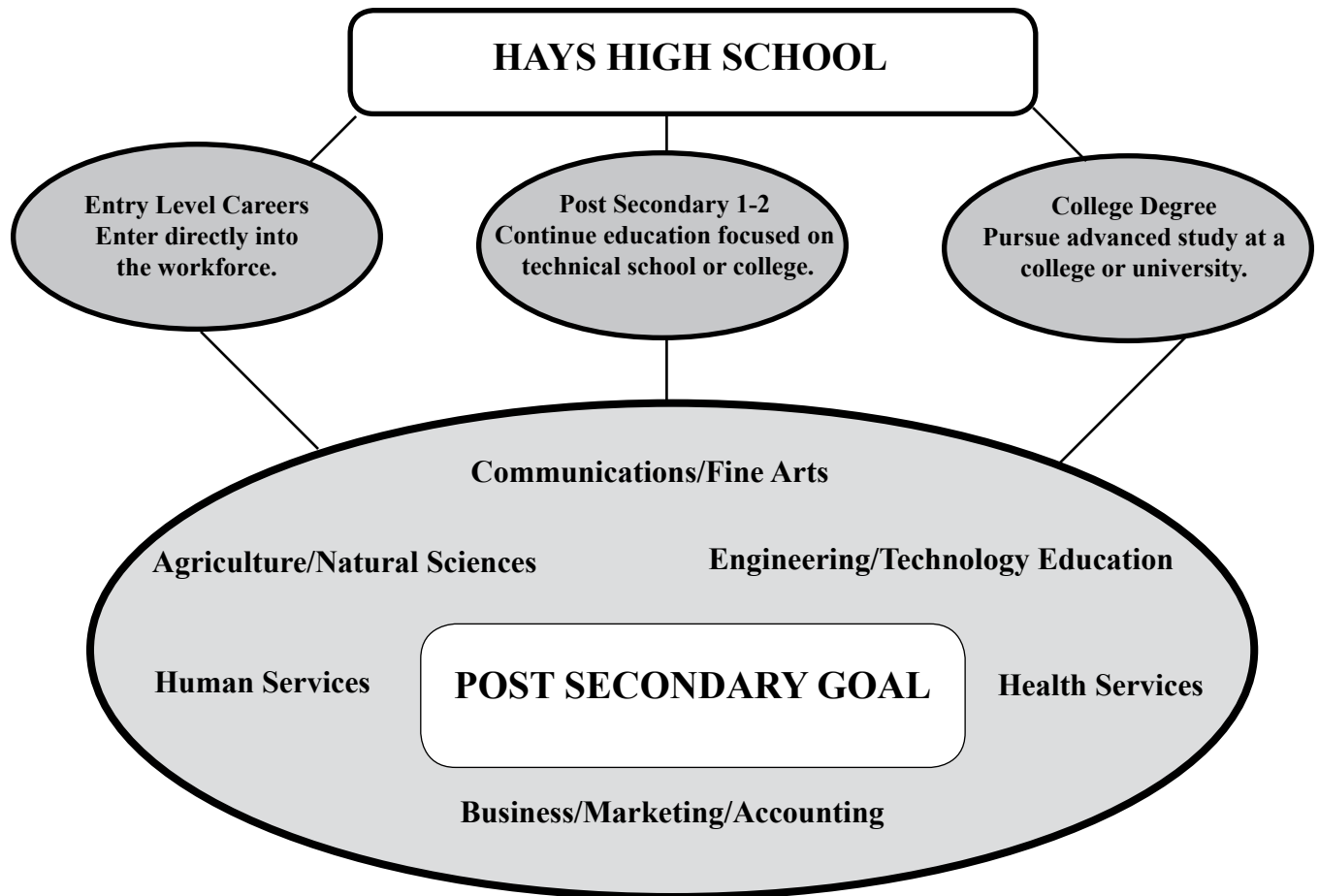
- \*Not take an elective course only because someone tells you that you need it.
- \*Not take an elective just because a friend is taking it.
- \*Not choose an elective because you think it will be an easy credit.
- \*Make your elective choices based upon your career goals, your interests and your needs as a student.

If after reading through this curriculum guide you have trouble deciding what to take, consult your seminar teacher or counselor for help in making that decision.

Career planning provides students and their parents with a method of preparation for further education beyond high school and for a meaningful career. This planning guide incorporates the combined value of academic and technical course work, opportunities for students to shadow workers on the job site, experience the value of their education through school to career activities in the community and develop an understanding of the need for lifelong learning.

Career planning at Hays High will provide each student an opportunity to include course work that prepares them to:

- 1) Enter directly into the workforce.
- 2) Continue education focused on technical school or college.
- 3) Pursue advanced study at a college or university.



# Career Tech Ed Pathways

Hays High School currently offers nine career pathways. We encourage students to look at their Career Cruising inventory to help them select pathway classes. It is recommended that students look at pathways that resemble those careers that are in the top three to four in the student inventory career list from Career Cruising.

## Arts, A/V and Communication Career Cluster

### Audio Visual (AV) Communication Pathway

<u>HHS Course</u>	<u>Level of Course</u>
Computer Applications	Introductory
21st Century Journalism	Technical
Audio/Video Production Fund.	Technical
Photo Imaging	Technical
Applied Graphic Design	Technical
Digital Media Technology	Technical
Video Production	Application
Digital Media Design & Prod	Application
Project Management	Application

## Information Technology Career Cluster

### Web and Digital Communications Pathway

<u>HHS Course</u>	<u>Level of Course</u>
Computer Applications	Introductory
Web Page Design	Technical
Graphic Design	Technical
Computer Graphics	Technical
Emerging Technologies	Application
Game Design & Authoring for the Web	Application
Project Management	Application

## Agriculture, Food & Natural Resources Career Cluster

### Comprehensive Agriculture Science (Agriscience) Pathway

<u>HHS Course</u>	<u>Level of Course</u>
Intro to Agriculture	Introductory
Food Science	Technical
Horticulture	Technical
Plant and Soil Science	Technical
Animal Science	Technical
Research in Agriculture Science	Application

## Finance Career Cluster

### Business Finance Pathway

<u>HHS Course</u>	<u>Level of Course</u>
Business Essentials	Introductory
Business Economics	Technical
Entrepreneurship	Technical
Personal Finance	Technical
Accounting	Technical
Advanced Accounting	Application

# Career Tech Ed Pathways

## Marketing Career Cluster

### Marketing Pathway

<u>HHS Course</u>	<u>Level of Course</u>
Business Essentials	Introductory
Entrepreneurship	Technical
Principles of Marketing	Technical
Marketing Applications	Application

## Architecture & Construction Career Cluster

### Construction Strand

<u>HHS Course</u>	<u>Level of Course</u>
Industrial Communications	Introductory
Woodworking Fundamentals	Technical
Production Woodworking Tech I	Technical
Production Woodworking Tech II	Application
Production Woodworking Tech III	Application

*Industrial Communications should be completed before Production WoodTech II*

### Design Strand

<u>HHS Course</u>	<u>Level of Course</u>
Industrial Communications	Introductory
Auto-CAD I	Technical
Auto-CAD II	Technical
Architectural Design I	Technical
Architectural Design II	Technical
Research & Design	Application

## Manufacturing Career Cluster

### Production Pathway

<u>HHS Course</u>	<u>Level of Course</u>
Industrial Communications	Introductory
Intro to Welding	Introductory
Production Welding Processes IA	Technical
Production Welding Processes IB	Technical
Production Welding Processes IIA	Application
Production Welding Processes IIB	Application
Auto Cad I	Technical
Auto Cad II	Technical

*Auto Cad I must be completed before WeldingProcesses IIA*

## Human Services Career Cluster

### Family, Community and Consumer Services Pathway

<u>HHS Course</u>	<u>Level of Course</u>
Life Management	Introductory
Family Studies	Technical
Human Growth & Development	Technical
Personal Finance	Technical
Nutrition and Healthy Eating	Technical
Culinary Essentials	Technical
Career Connections	Application

# Agriculture & Natural Sciences

Are you a nature lover? Are you practical, curious about the physical world, and interested in plants and animals? Do you like to be physically active? Do you like to observe, learn, investigate or solve problems? This may be a career path you might wish to explore.

Career areas could include: Aquatics, Aquaculture, Biotechnology, Earth and Marine Science, Environmental Science and Technology, Forestry, Horticulture, Animal Husbandry and Wildlife.

## Sample Agriculture/Natural Sciences Occupations

### Entry Level

Agriculture Grader/Sorter  
Agricultural Supervisor  
Animal Caretaker  
Farm Machinery Operator  
Farm Worker  
Fish Hatchery Worker  
Gardener/Groundskeeper  
Hunter/Trapper  
Inspector of Ag Products  
Kennel Operator  
Livestock Worker  
Nursery Worker  
Tree Surgeons Assistant  
Water Treatment Plant Operator  
Marine Biologist  
Veterinary Technician  
Soil Conservationist

### Post Secondary 1-2

Ag. Chemical Applicator  
Biochemistry Technologist  
Biological/Ag Technologist  
Chemical Applicator  
Chemical Technologist  
Crop Scouter  
Farmer  
Floral Designer  
Histologic Technician  
Landscape Designer  
Medical Laboratory Tech  
Metallurgical Technician  
Microbiology Technologist  
Nuclear Technologist  
Nursery Manager  
Oceanographer Assistant  
Meteorologist  
Fish/Game Warden

### College Degree

Agriculturist/Food Specialist  
Agronomic  
Anatomist  
Animal Scientist  
Anthropologist  
Archeologist  
Biological Scientist  
Biomedical Engineer  
Chemist  
Environmental Analyst  
Forester/Conservation Scientist  
Geneticist  
Geographer/Range Manager  
Geologist/Geophysicist  
Medical Scientist  
Weather Observer  
Veterinarian

## Hays High Program Sequences: Agricultural Science/Research

These programs are available to those high school students choosing to follow a specific path of interest within this career field. Worksites, career mentorship, entrepreneurship opportunities and other extended learning opportunities could be a part of this path.

### Pre-Vet/Animal Economics

Introduction to Agriculture  
Animal Science  
Research in Agricultural Science  
Career Exploration

### Horticulture/Plant & Soil Science

Horticulture  
Plant and Soil Science  
Research in Agricultural Science  
Career Exploration

### Ag Research/Ag Science

Introduction to Agriculture  
Plant and Soil Science  
Animal Science  
Research in Agricultural Science  
Career Exploration

## Suggested Electives: Choose courses that fit your individual interests.

Art Exploration, Fundamentals of Oral Communication, Personal Finance, Accounting, Adv. Accounting, PE/Health, Basic Food Preparation, Nutrition and Healthy Eating, Family Studies, World Geography, Psychology, Sociology, Advanced Algebra II, Human Biology, Adv. Field Biology, Marching/Concert Band, Choir, Orchestra, Business Economics, World History, Foreign Language.

# Business/Marketing/Accounting

Do you enjoy being a leader, organizing people, planning activities for others and planning and talking with people? Do you like to work with numbers and ideas? Do you enjoy carrying through with an idea and seeing the end product? Do you like the challenges of the computer industry? This may be a career path you might wish to explore.

Career Areas Include: Accounting/Finance, Business Information Systems, Economics, Entrepreneurship, Insurance, Keyboarding, Personnel, Retail and Sales.

## Sample Business/Marketing/Accounting Occupations

### Entry Level

Bank Teller	Credit/Loan Clerk	Real Estate Clerk/Appraiser	Telemarketing
Billing/Payroll Clerk	Data Entry Clerk	Salesperson	Dispatcher
Cashier/Receptionist	File Clerk	Customer Service	Word Processing Specialist
Court Clerk	Personnel Clerk	Secretary	Stenographer

## Sample Business/Marketing/Accounting Occupations Continued

### Post-Secondary 1-2

### College Degree

Court Reporter/Credit Analyst	Insurance Claims	Budget Analyst	Personnel Manager
Data Communications/Analyst	Network Administrator	Computer Systems Analyst	Medical Records Administrator
Hotel Manager	Medical Secretary	Statistician/Mathematician	Bank Trust Officer
Medical Records Technician	Administrative Assistant	Stockbroker	Teacher
Paralegal/Legal Assistant	Title Examiner	Technology Director	Computer Engineer
Sales/Wholesale Manager	Data Base Manager	Underwriter	Auditor
Computer Operator	Computer Programmer	Financial Manager	Marketing Director
Computer Technician	Travel Agent	Loan Officer/Counselor	Accountant

## Hays High Program Sequences: Business/Marketing/Accounting

These programs are available to those high school students choosing to follow a specific path of interest within this career field. Worksite, career mentorship, entrepreneurship opportunities and other extended learning opportunities could be a part of this path.

<u>Business/Office Tech</u>	<u>Marketing/Management</u>	<u>Accounting Tech</u>	<u>Desktop Publishing</u>
Business Essentials	Business Essentials	Business Essentials	Business Essentials
Entrepreneurship	Business Economics	Business Economics	Entrepreneurship
Computer Applications	Entrepreneurship	Entrepreneurship	Entrepreneurship
Emerging Technologies	Computer Applications	Computer Applications	Computer Applications
Accounting	Emerging Technologies	Emerging Technologies (optional)	Emerging Technologies
	Principles of Marketing	Accounting	Project Management
	Marketing Applications	Advanced Accounting	
		Personal Finance	
<u>Web Page/Multi-Media</u>		<u>Computer Programming</u>	
Business Essentials		Business Essentials	
Entrepreneurship		Entrepreneurship	
Computer Applications		Computer Applications	
Emerging Technologies		Emerging Technologies	
Game Design and Authoring for the Web		Game Design and Authoring for the Web	
Webpage Design			

## Suggested Electives: Choose courses that fit your individual interests.

Art Exploration, PE/Health, Nutrition and Healthy Eating, Family Studies, World Geography, Psychology, Sociology, Advanced Algebra II, Functions/Statistics/Trigonometry, Calculus Methods, Marching/Concert Band, Choir, Orchestra, Personal Finance, Computer Graphics, Foreign Language, Fundamentals of Oral Communications



# Fine Arts & Communications

Are you a creative thinker? Are you imaginative, innovative and original? Do you like to communicate ideas, work with audio, video, visual, graphic or written media arts? Do you actively seek opportunities for self-expression? This may be a career path you might wish to explore.

Career Areas could include: Advertising, Architecture, Fine Arts, Journalism, Languages, Music, Printing, Public Relations, Publishing, TV/Radio/Film, Theater and Visual Arts/Graphics Design.

## Sample Fine Arts/Communications Occupations

### Entry Level

Advertising Assistant  
Audio-Visual Specialist  
Engraver  
Makeup Artist  
Model  
Movie and TV Camera Operator  
Musician  
Photographer  
Precision Lithographer  
Precision Photoengraver  
Professional Storyteller  
Set Builder  
Song Writer  
Stunt Person  
Stage Manager

### Post-Secondary 1-2

Actor  
Artist  
Choreographer  
Communications Technician  
Dancer  
Designer  
Electronic Pagination Systems  
Fashion Designer  
Film Editor  
Graphic/Commercial Artist  
Jewelry/Silversmith  
Lighting Director  
Newscaster  
Radio/TV Announcer  
Historian

### College Degree

Composer  
Drama Critic  
Event Promoter  
Graphic Designer  
Interior Designer  
Multimedia Director  
Music Director  
Teacher  
Music Therapist  
Photojournalist  
Playwright  
Talent Agent  
Writer  
Museum Curator

## Hays High Program Sequences: Fine Arts/Communications

These programs are available to those high school students choosing to follow a specific path of interest with this career field. Work site opportunities, career mentorship opportunities, entrepreneurship opportunities and other extended learning opportunities could be a part of this path.

### Journalism

Computer Applications  
21st Century Journalism  
Digital Media Design & Production  
Applied Graphic Design

### Graphics Design

Computer Applications  
Art Exploration  
Drawing  
Computer Graphics  
Graphic Design  
Graphic Imaging

### TV/Radio/Video

Computer Applications  
Audio Video Production Fundamentals  
Digital Media Technology

### Graphic Imaging

Computer Applications  
Art Exploration  
Audio Video Production Fundamentals

## Suggested Electives: Choose courses that fit your individual interests.

Drama, Forensics, Fundamentals of Oral Communication, Personal Finance, PE/Health, Nutrition and Healthy Eating, Family Studies, World Geography, Psychology, Sociology, Advanced Algebra II, Marching/Concert Band, Choir, Orchestra, Website Design, Emerging Technologies, Game Design & Authoring for the Web, Business Economics, World History, Foreign Language.

# Engineering and Technology Education

Are you mechanically inclined and practical? Do you like to use your hands and build things? Are you curious about how things work? Are you able to analyze problems and to understand and pay close attention to standards? Do you like math and science? Do you enjoy drawing detailed plans or working with diagrams? This may be a career path you might wish to explore.

Career Areas could include: Aerospace, Automotive Technology, Automotive Design, Construction Technology, Electronics Manufacturing, Architecture, Metalworking, Machining, Telecommunications, and Transportation.

## Sample Engineering/Technology Occupations

<u>Entry Level</u>	<u>Post-Secondary 1-2</u>	<u>College Degree</u>
Airport Utility Worker	Aircraft Mechanic	Aerospace Engineer
Bookbinder	Auto Body Technician	Air Traffic controller
Building Maintenance	Automobile/Diesel Mechanic	Airplane Pilot
Carpenter	Brickmason	Architect
Carpet Installer	Engineering Technician	Cartographer
Construction Worker	Chemical Engineer Technician	Chemical Engineer
Drywall Worker	Construction Manager	Civil Engineer
Earth Driller	Electrician	Computer Engineer
Glazier	Electronic Engineering Technician	Electrical Engineer
Highway Maintenance Worker	Industrial Engineering Technician	Industrial Engineer
Insulation Worker	Laser Technician	Marine Engineer
Machinist	Lineman	Mechanical Engineer
Engineer	Microelectronics Technician	Metallurgical Material
Radio Mechanic	Petroleum Technician	Nuclear Engineer
Roofer	Plumber	Petroleum Engineer
Service Station Attendant	Robotics Technician	Safety Engineer
Sheet Metal Worker	Screen Printing Operator	Space Operations Officer
Welder	Solar Energy Systems Designer	Technical Writer
Woodwork Machine Operator	Surveying Technician/Surveyor	Transportation Main Manager

## Hays High Program Sequences: Engineering/Technology Education

These programs are available to those high school students choosing to follow a specific path of interest within this career field. Work site, career mentorship, entrepreneurship opportunities and other extended learning opportunities could be a part of a path.

### Auto Mechanics (NCK)

Auto Mechanics  
Adv. Auto Mechanics  
Electrical Technology

### Welding

Introduction to Metals  
Industrial Communications (recommended)  
Production Welding I A & B  
Production Welding II A & B

## Hays High Program Sequences: Engineering/ Technology Education

### Architecture

Industrial Communications  
Auto CAD I  
Architectural Design I  
Architectural Design II  
Auto CAD II  
Research & Design

### Construction Technology

Woodworking Fundamentals  
Industrial Communications (recommended)  
Production & Woodworking Tech I  
Production & Woodworking Tech II  
Production & Woodworking Tech III  
Architectural Design I (recommended)

### Technical Drawing

Industrial Communications  
Auto CAD I  
Architectural Design I  
Architectural Design II  
Auto CAD II  
Research & Design

## Suggested Electives: Choose courses that fit your individual interests.

Art Exploration, Drawing, Fundamentals of Oral Communication, Personal Finance, Accounting, PE/Health, Nutrition and Healthy Eating, Family Studies, World Geography, Psychology, Sociology, Advanced Algebra II, Functions/Statistics/Trigonometry, Calculus Methods, Adv. Field Biology, Chemistry II Honors, Advanced Physics, Marching/Concert Band, Choir, Orchestra, Business Economics, World History, Foreign Language.

# Human Services

Do you enjoy working with people? Do you like to share ideas and information? Can you be flexible and adapt quickly as well as make quality judgments under stressful situations? Do you like working with diverse groups of people serving the public? Do you possess emotional stability and strong self-esteem? This may be a career path you might wish to explore.

Career Areas could include: Apparel/Fashions, Child Care, Counseling, Culinary Arts/Food Service, Education, Government/Civil Service/Public Service, Hospitality/Tourism/Travel, Law/Legal Services/Public Safety/Law Enforcement/Fire Fighting, Social and Family Services.

<u>Entry Level</u>	<u>Post-Secondary 1-2</u>	<u>College Degree</u>	
Baker	Catering Director	Adult Education Teacher	Clergy
Waiter/Waitress/Host/Hostess	Chef	Anthropologist	Editor
Bus/Taxi Driver/Chauffeur	Employment Interviewer	Archivist/Curator	Historian
Butcher	Flight Attendant	Personnel Manager	Intelligence Officer
Child Care/Social Worker	Foods/Beverage Service	Political Scientist	Judge/Lawyer
Cook/Short Order/Fast Food	Hairdresser/Cosmetologist	Teacher/Principal	Librarian
Corrections Officer	Social Director	Psychologist/Sociologist	Parole Officer
Counter Clerk	Social Service Technician	Public Relations Manager	
Customer Service Representative	Teacher Aide	Interior Designer	
Fire Fighter	Dietetic Aide	School/Career Counselor	
Funeral Attendant	Legal Assistant	Social Worker	
Information Clerk	Commercial Truck Driver	Highway Patrolman	
Library Assistant	Railroad Operator	Textile Designer	
Maid/Housekeeping	Child Care Giver	Attache (Military Officer)	
Police Patrol Officer/Sheriff	Barber	College Administrator/Faculty	
Animal Caretaker	Industrial Seamstress		

## Hays High Program Sequences: Human Services

These programs are available to Hays High Students choosing to follow a specific path of interest within this career field. Work site, mentorship, entrepreneurship opportunities and other extended learning opportunities could be a part of this path.

### Child Care/Early Childhood

Life Management  
 Personal Finance  
 Basic Food Preparation  
 Culinary Essentials  
 Nutrition and Healthy Eating  
 Family Studies  
 Human Growth & Development  
 Career Exploration

### Foods/Culinary Arts

Personal Finance  
 Basic Food Preparation  
 Culinary Essentials  
 Nutrition and Healthy Eating  
 Food Science  
 Career Exploration

### Helping Hands Services

Life Management  
 Personal Finance  
 Computer Applications  
 Basic Food Preparation  
 Culinary Essentials  
 Food Science  
 Helping Hands  
 Human Growth & Development  
 Cooperative Work Experience

## Suggested Electives: Choose courses that fit your individual interests.

Art Exploration, Drawing, Computer Applications, Fundamentals of Oral Communication, Food Science, PE/Health, Nutrition and Healthy Eating, Family Studies, World Geography, Psychology, Sociology, Advanced Algebra II, Marching/Concert Band, Choir, Orchestra, Project Management, Business Economics, World History, Foreign Language.

# Health Services

Do you like to care for people or animals who are in need or ill? Are you interested in new diseases and in how the body works? Do you enjoy observing patients and looking for changes in how they are doing? Are you friendly, open, outgoing, understanding and cooperative? Is it important to you to do something that makes things better for people? This may be a career path you might wish to explore.

Career areas include: Allied Health Services, Dental Health, Medicine/Physician, Physician Assistants, Occupational and Physical Therapy, Nursing.

## Sample Health Service Occupations

### Entry Level

Home Health Aide  
Medical Assistant  
Orderly  
Personal and Home Care Aide  
Certified Nurse Aide  
Life Guard  
Lab Technician  
Medical Records Transcriptionist  
Phlebotomist  
Respiratory Therapy Tech

### Post-Secondary 1-2

Cardiology Technologist  
Chemical Radiation Technician  
Dental Hygienist  
Emergency Medical Technician  
Licensed Practical Nurse  
Mortician  
Occupational Therapy Assistant  
Physical Therapy Assistant  
Psychiatric Technician  
Radiation Therapy Technician  
Surgical Technician  
Veterinary Assistant  
Medication Aide

### College Degree

Athletic Trainer  
Chiropractor  
Dentist  
Dietitian/Nutritionist  
Occupational Therapist  
Pharmacist  
Physician  
Physical Therapist  
Psychologist  
Physicians Assistant  
Registered Nurse  
Nurse Practitioner  
Dermatologist  
Optometrist

## Career Exploration . . . Hays Medical Center/Local Medical Community

An option available to those pursuing college degree or certificated programs such as Radiology Tech, PT Tech, OT Tech, etc. in the medical field. Plans would need to be established and options approved through the medical community prior to the senior year.

### **Suggested Electives:**

Choose those that fit your individual interests. Advanced courses are important for medical degrees.

Allied Health, Pharmacy Technician, Art Exploration, Fundamentals of Oral Communication, Personal Finance, Computer Applications, Accounting, PE/Health, Basic Food Preparation, Nutrition and Healthy Eating, Family Studies, World Geography, Psychology, Sociology, Advanced Algebra II, Calculus Methods, Function/Statistics/Trigonometry, Human Biology, Marching/Concert Band, Choir, Orchestra, Chemistry II Honors, Adv. Physics, Business Economics, World History, Foreign Language.

# Career Cruising

[www.careercruising.com](http://www.careercruising.com)

Parents are the number one influence on a child's education and career choices. Parents are encouraged to have their child log-in to their account on the Career Cruising website. HHS uses this site as a tool for students to explore their education and career options. This begins in the 8th grade with students taking the interest inventory. Results are explored and connections made between a potential career area and courses offered at HHS. Along with their school counselor, teachers' and parents' input, this website can assist students in making informed decisions when selecting their courses throughout high school. Additionally, utilizing Career Cruising, freshmen begin building their resumes with emphasis placed on school and community involvement. All students are encouraged to update their resume throughout each year. Different aspects of this program are explored during each student's high school career. Students will have access to their account for five years after they graduate by keeping their e-mail address current. Seniors should replace their school e-mail address with their personal e-mail address shortly before graduation.

# Kansas Board of Regents

## Qualified Admissions Precollege Curriculum (QA)

Students graduating from an accredited Kansas high school, under the age of 21, MUST;

- Complete the precollege or Kansas Scholars Curriculum with at least a 2.0 GPA; AND
- Achieve one of the following:
  - ACT score of 21 or higher; OR
  - SAT score of 980 or higher; OR
  - Graduate in the top one-third of their class; AND
- Achieve a 2.0 GPA or higher on any college credit taken in high school.

**\*\*For more details regarding Qualified Admissions see page 4 of this Course Career Guide.**

**This is a “sample schedule” designed to meet minimum QA (Qualified Admissions).  
Elective credits may be taken in different orders than shown here. See your counselor for advice.**

### Grade 9

English  
Advanced Algebra I \*\*  
Integrated Science  
Social Studies Elective (1/2 cr.)  
Health/PE Elective (1/2 - 1 cr.)  
Fine Arts Elective (1/2 or 1 cr.)

### Grade 10

English  
Advanced Geometry  
Biology  
World History II (1/2 cr.)  
Health/P.E. Elective (1/2 cr.)  
Fine Arts Elective (1/2 cr.)

### Grade 11

English  
Advanced Algebra II  
Chemistry I  
American History

### Grade 12

English  
Government  
Math - 4th year (1 cr.)  
*(Recommended for all students & Required for students NOT meeting the ACT college-readiness math benchmark of 22.)*

.....  
: \*\*If qualified, may take higher levels of math and science to meet Qualified Admission requirements. :  
.....

## Required Curriculum for State Scholarship Consideration

**This is a “sample schedule”.**

**Elective credits may be taken in different orders than shown here. See your counselor for advice.**

### Grade 9

English  
Advanced Algebra I \*\*  
Integrated Science  
Social Studies Elective (1/2 cr.)  
Health/P.E. Elective (1 cr.)  
Foreign Language I

### Grade 10

English  
Advanced Geometry  
Biology Honors \*  
World History II (1/2 cr.)  
Health/P.E. Elective (1/2 cr.)  
Foreign Language II

### Grade 11

English  
Advanced Algebra II  
Chemistry I Honors \*  
American History  
Health/P.E. Elective (1/2 cr.)

### Grade 12

English  
Functions/Stats/Trig  
Advanced Physics \*  
Government  
Health/P.E. Elective (1/2 cr.)

.....  
: \*\*If qualified, may take higher levels of math to meet Regent Scholarship requirement. :  
: \* Biology Honors, Chemistry I Honors, and Advanced Physics are required for the :  
: State Scholar’s Curriculum :  
.....

# Hays High School Four - Year Plan

<b>Freshman</b>	
<u>Course Name</u>	<u>Credits</u>
English I/English I Honors _____	1
Math _____	1
Integrated Science/Integrated Science Honors _____	1
Health & Wellness _____	1/2
_____	_____
_____	_____
_____	_____
<b>Total</b>	<b>7</b>

<b>Sophomore</b>	
<u>Course Name</u>	<u>Credits</u>
English II/English II Honors _____	1
Math _____	1
Biology /Biology Honors _____	1
World History II _____	1/2
_____	_____
_____	_____
_____	_____
<b>Total</b>	<b>7</b>

<b>Junior</b>	
<u>Course Name</u>	<u>Credits</u>
English III/English III Honors _____	1
Math _____	1
Chemistry I Chemistry I Honors _____	1
American History/AP _____	1
_____	_____
_____	_____
_____	_____
<b>Total</b>	<b>7</b>

<b>Senior</b>	
<u>Course Name</u>	<u>Credits</u>
English IV/AP _____	1
Government/AP _____	1/2
Math ( <i>Recommended/Required</i> ) _____	_____
_____	_____
_____	_____
_____	_____
<b>Total</b>	<b>7</b>

Upon graduation, my personal goals include:

- o Attending a 4-year university
- o Attending technical school/community college
- o Working full-time
- o Enlisting in the military

My particular area of interest is: See pg. 11 - 19

- o Agriculture/Natural Science
- o Business/Marketing/Accounting
- o Communications/Fine Arts
- o Engineering/Industrial Technology
- o Health
- o Human Services

**Required Subjects**

English (4 credits)

Social Science (3 credits) - includes World History II, American History, and U.S. Government

Science (3 credits)

Mathematics (3 credits)

Physical Education (1 credit) - 1/2 credit of Health and 1/2 credit of Activity

Practical Arts (1 credit) - selected from Agriscience, Business, Human Services, and Industrial Technology

Fine Arts (1 credit) - selected from Art, Foreign Language, Music, and Language Arts electives

Computer Technology (1 credit)

# HHS Graduation Requirements

## Options for Meeting Graduation Requirements

Graduation requirements for high school students are established according to state statutes, the State Board of Education regulations, and the policy of the USD 489 Board of Education.

\* Denotes a course that meets Qualified Admissions (QA) for admittance into Kansas Regents 4-year universities.

REQUIREMENTS	CREDITS	REQUIREMENTS	CREDITS
<b>English</b>	<b>4</b>	<b>Math</b>	<b>3</b>
* English I		* Algebra I	
* Honors English I		* Geometry	
* English II		* Algebra II	
* Honors English II		* Advanced Algebra I	
* English III		* Advanced Geometry	
* Honors English III		* Advanced Algebra II	
* English IV		* Functions/Statistics/Trigonometry	
* AP English IV/Concurrent		* Calculus Methods	
		* AP Calculus AB	
		* FHSU MATH 110–College Algebra	
		* FHSU MATH 250 - Elements of Statistics	
		* Advanced Auto Mechanics (1/2)	
<b>Social Science</b>	<b>3</b>	<b>Physical Education &amp; Health</b>	<b>1</b>
* Business Economics		( $\frac{1}{2}$ health credit and $\frac{1}{2}$ activity credit.)	
* Current Issues		Health/Wellness	
* World Geography		Advanced Health/Wellness	
* Psychology		Nutrition and Healthy Eating	
* Sociology		Human Biology (1/2)	
* World History I		Strength & Conditioning	
* World History II		Fitness Aerobics	
* American History		Physical Education Activities	
* AP U.S. History		Allied Health (1/2)	
* American Government		Marching Band (4 yrs = 1/2)	
* AP U.S. Government			
Helping Hands - Social Studies			
Allied Health (Psychology 1/2)			
<b>Fine Arts</b>	<b>1</b>	<b>Science</b>	<b>3</b>
All Language Arts Elective courses		* Biology	
All Art courses		* Biology Honors	
All Foreign Language courses		* Chemistry I	
All Music courses		* Chemistry I Honors	
All Technology Communications courses		* Chemistry II Honors	
		* Integrated Science	
		* Integrated Science Honors	
<b>Computer Technology</b>	<b>1</b>	* Advanced Physics	
MicroComputing		* Adv. Field Biology	
Computer Applications		* Environmental Science	
Emerging Technologies		* Human Biology	
Game Design and Authoring for the Web		Scientific Research and Design	
Computer Graphics		* Animal Science	
Graphic Design		* Plant/Soil Science	
Graphic Imaging		* Horticulture	
Advanced Accounting (1 yr. = 1/2)		Research In Agriculture Science	
Intro to Computer Information Systems		Food Science	
Helping Hands (1 yr. = 1/2)		Allied Health (1)	
Applied Graphic Design			
Digital Media Design and Production		<b>Practical Arts</b>	<b>1</b>
21st Century Journalism		All Business courses	
Photo Imaging		All AgriScience courses	
Marketing Applications (2 yrs. = 1/2)		All Technology Education courses	
Auto-CAD I		All Human Services courses	
Auto-CAD II		All Technology Communications courses	
Digital Media Technology (1/2)		Auto Mechanics	
Video Production		Electrical Technology	
Adv. Auto Mechanics (1 yr. = 1/2)		Helping Hands - Business	



# Freshman Course Offerings

## Required Courses For Freshman Year

(Choose one from each group)

### ENGLISH

English I (1cr.)  
Honors English I (1cr.)

### SCIENCE

Integrated Science (1cr.)  
Integrated Science Honors (1cr.)  
(Concurrent enrollment in Adv. Geometry)

### MATH

Algebra I (1cr.)  
Advanced Algebra I (1cr.)  
Advanced Geometry (1cr.)  
(Concurrent enrollment in Integrated Science Honors)

### HEALTH

Health/Wellness (1/2cr.)

.....

## Elective Courses For Freshman Year

\* Denotes a class that requires prerequisites, see course description for details.

**(Choose electives to equal 3.5 credits)**

### ART

Art Exploration (1/2cr.)  
(Prerequisite for all other art classes)  
Drawing (1/2) \*  
Painting (1/2cr.) \*  
Jewelry/Art Metals (1/2cr.) \*  
Ceramics–Handbuilt (1/2cr.) \*  
Ceramics–Wheel Thrown (1/2cr.) \*  
Computer Graphics (1/2cr.) \*

### BUSINESS

Business Essentials (1/2cr.)  
Entrepreneurship (1/2cr.)  
MicroComputing (1/2cr.)  
Computer Applications (1/2cr.)

### HUMAN SERVICES

Life Management (1/2cr.)  
Basic Food Preparation (1/2cr.)

### FOREIGN LANGUAGES

German I (1cr.)  
Spanish I (1cr.)  
Heritage Spanish Speakers I (1cr.) \*  
Elementary Latin (1cr.)

### ENGLISH/COMMUNICATIONS

Drama (1/2cr.)  
Novice Debate (1/2cr.)  
Forensics (1/2cr.)

### AGRISCIENCE

Introduction to Agriculture (1cr.)

### TECHNOLOGY EDUCATION

Introduction to Metals (1/2cr.)  
Industrial Communications (1/2cr.)  
(Prerequisite for Auto CAD I)  
Auto-CAD I (1/2cr.) \*  
Woodwork Fundamentals (1/2cr.)

### TECHNOLOGY COMMUNICATIONS

Audio Video Production Fundamentals (1/2cr.)  
21st Century Journalism (1/2cr.)  
Photo Imaging (1/2cr.)

### MUSIC

Concert Choir (1cr.) \*  
Chorale (1cr.)  
Marching & Concert Band (1cr.) \*  
Orchestra (1cr.) \*

### PE

Fitness/Aerobics (1/2cr.)  
Physical Education Activities (1/2cr.)  
Strength and Conditioning (1/2cr.)

### SOCIAL SCIENCE

World Geography (1/2cr.)  
Current Issues (1/2cr.)

### SCIENCE

Environmental Science (1/2cr.)  
Scientific Research and Design (1/2 - 1cr.)  
(Requires instructor permission)

# HHS Course Offerings

\* Denotes a class that requires prerequisites, see course description for details.

## AGRISCIENCE-----pg. 26 - 27

### Practical Arts

- Introduction to Agriculture (1cr.)
- Animal Science (1cr.)
- Plant & Soil Science (1cr.)
- Horticulture (1cr.)
- Research in Agriculture Science (1cr.) \*
- Food Science (1 cr.) not offered at this time

## ART-----pg. 27 - 29

### Fine Arts

- Art Exploration (1/2cr.)
- Drawing (1/2cr.) \*
- Painting (1/2cr.) \*
- Air Brushing (1/2cr.) \*
- Jewelry/Art Metals (1/2cr.) \*
- Ceramics-Handbuilt (1/2cr.) \*
- Ceramics-Wheel Thrown (1/2cr.) \*
- Computer Graphics (1/2cr.) \*
- Graphic Design (1/2cr.) \*
- Graphic Imaging (1/2cr.) \*

## BUSINESS-----pg. 30 - 33

### Practical Arts

- Business Essentials (1/2cr.)
- Entrepreneurship (1/2cr.)
- Accounting (1cr.)
- Advanced Accounting (1cr.) \*
- Business Economics (1/2 cr.)
- MicroComputing (1/2cr.)
- Computer Applications (1/2cr.)
- Emerging Technologies (1/2cr.) \*
- Game Design and Authoring for the Web (1/2cr.) \*
- Project Management (1/2-1cr.) \*
- Webpage Design (1/2-1cr.) \*
- Principles of Marketing (DECA) (1cr.)
- Marketing Applications (DECA) (1cr.) \*
- Intro to Computer Information Systems (1/2cr.)  
\*required to take for Concurrent Credit
- Intro to Leadership Studies (1/2cr.)
- Personal Finance (1/2cr.)
- Helping Hands (1 cr.)\*

## ENGLISH-----pg. 34 - 39

- English I (1cr.)
- Honors English I (1cr.) \*
- English II (1cr.) \*
- Honors English II (1cr.) \*
- English III (1cr.) \*
- Honors English III (1cr.) \*
- English IV (1cr.) \*
- AP English IV/Concurrent (1cr.) \*
- Drama (1/2cr.)
- Fundamentals of Oral Communication (1/2cr.)  
\*required to take for Concurrent Credit
- Novice Debate (1/2cr.)
- Advanced Debate (1/2cr.) \*
- Forensics (1/2cr.)

## FOREIGN LANGUAGES-----pg. 39 - 41

### Fine Arts

- German I (1cr.)
- German II (1cr.) \*
- German III (1cr.) \*
- German IV (1cr.) \*
- Spanish I (1cr.)
- Spanish II (1cr.) \*
- Spanish III (1cr.) \*
- Spanish IV (1cr.) \*
- Heritage Spanish Speakers I (1cr.) \*
- Heritage Spanish Speakers II (1cr.) \*
- Elementary Latin (1cr.)
- Intermediate Latin (1cr.) \*

## HUMAN SERVICES-----pg. 42 - 44

- Life Management (1/2cr.)
- Family Studies (1/2 cr.)
- Human Growth and Development (1/2cr.)
- Career Connections (1/2cr.)
- Basic Food Preparation (1/2cr.)
- Culinary Essentials (1/2cr.) \*
- Nutrition and Healthy Eating (1/2cr.) \*
- Personal Finance (1/2cr.)
- Crafts for Leisure and Profit (1/2cr.)

## MATH-----pg. 44 - 47

- Algebra I (1cr.)
- Advanced Algebra I (1cr.)
- Geometry (1cr.) \*
- Advanced Geometry (1cr.) \*
- Algebra II (1cr.) \*
- Advanced Algebra II (1cr.) \*
- FST - Fall (1/2cr.) \*
- Functions/ Statistics/Trigonometry (1cr.) \*
- Calculus Methods (1cr.) \*
- AP Calculus AB (1cr.) \*
- FHSU-College Algebra - Fall (1/2cr.)  
\*required to take for Concurrent Credit
- FHSU-College Algebra - Spring (1/2cr.)  
\*required to take for Concurrent Credit
- FHSU-Elements of Statistics-Spring (1/2cr.)  
(not offered at this time)

## MUSIC-----pg. 47 - 48

### Fine Arts

- Marching & Concert Band (1cr.) \*
- Orchestra (1cr.) \*
- Freshman Choir (1cr.) (not offered at this time)
- Chorale (1cr.)
- Concert Choir (1cr.) \*
- Chamber Singers (1cr.) \*

# HHS Course Offerings

PE AND HEALTH-----pg. 49 - 50	TECHNOLOGY EDUCATION -----pg. 59 - 63
Health/Wellness (1/2cr.)	Introduction to Metals (1/2cr)
Adv. Health/Wellness (1/2cr.) *	Production Welding Processes I (A) (1/2cr.) *
Fitness/Aerobics (1/2cr.)	Production Welding Processes I (B) (1/2cr.) *
Physical Education Activities (1/2cr.)	Production Welding Processes II (A) (1/2cr.) *
Strength and Conditioning (1/2cr.)	Production Welding Processes II (B) (1/2cr.) *
	Industrial Communications (1/2cr.)
	Auto-CAD I (1/2cr.) *
	Architectural Design I (1/2cr.) *
	Architectural Design II (1/2cr.) *
	Auto-CAD II (1/2cr.) *
	Research & Design (1cr.) *
	Woodwork Fundamentals (1/2cr.)
	Production and Woodworking Tech I (1cr.) *
	Production and Woodworking Tech II (1cr.) *
	Production and Woodworking Tech III (1cr.) *
	CAREER AND TECHNICAL
	EDUCATION-----pg. 64 - 65
	Practical Arts
	(Application Required)
	Allied Health (NCK Tech)
	Auto Mechanics (NCK Tech)
	Adv. Auto Mechanics (NCK Tech) *
	Electrical Technology (NCK Tech)
	Adv. Electrical Technology (NCK Tech) *
	Pharmacy Technician (NCK Tech)
	SUPPLEMENTAL SUPPORT----- pg. 66
	Special Education
	ESL-----pg. 67
	WORK BASED CAREER
	EXPLORATION EXPERIENCES-----pg. 67
	(Seniors Only - Application Required)
	Media Assistant
	Office Assistant
	Guidance Assistant
	Teacher Assistant
	Career Exploration
	FORT HAYS STATE UNIVERSITY-----pg. 8
	(Students may block out only one class period per day for each 3 credit hour FHSU course taken on campus.)
	College Course
	NORTH CENTRAL KANSAS
	TECHNICAL SCHOOL-----pg. 8
	(Students may block out only one class period per day for each 3 credit hour NCK Tech course taken on campus.)
	College Course
	THE LEARNING CENTER-----pg. 68
	SUMMER OPPORTUNITIES-----pg. 69

# AgriScience

**Introduction to Agriculture:** 9, 10

**Animal Science:** 10, 11, 12

**Food Science:** 11, 12 (not offered at this time)

**Horticulture:** 10, 11, 12

**Plant & Soil Science:** 10, 11, 12

**Research in Agriculture Science:** 12

## **Introduction to Agriculture**

Agriculture education has undergone a series of drastic changes over the past decade and continues to change just as the industry and business of agriculture changes. The student will be taken on a journey through all of today's agricultural areas. Some topics to be covered include a basic understanding of animal science, plant science, horticulture, introduction to livestock evaluation, and various agriculture systems. Students will also be introduced to an integral part of agriculture education, the FFA.

**CTE Career Cluster Pathway:** Agriculture Science (Agriscience) and Plant Systems

**Grades:** 9, 10

**Prerequisite:** None

**Year:** 1 credit

**Supplies:** 3- ring notebook—2”

## **Animal Science**

The livestock and meat industry ranks among the greatest industries in the United States. Livestock and crops go hand in hand to provide food and fiber for mankind throughout the world. Livestock systems in this country (involving breeding, nutrition, management, marketing, selection, and meat processing) are the most sophisticated of any that can be found in the world. We have progressed in the discovery of new approaches to efficiency in the production and processing of food and fiber. The student will be introduced to animal systems, diseases, management practices, evaluation methods, animal nutrition, animal reproduction, and animal management.

(Can be taken for science credit.)

**CTE Career Cluster Pathway:** Agriculture Science (Agriscience)

**Grades:** 10, 11, 12

**Prerequisite:** None

**Year:** 1 credit

**Supplies:** 3- ring notebook—2”

## **Food Science (not offered at this time)**

This course is the study of the biological and chemical basis of nutrition, food preparation, preservation, and processing. Students will apply knowledge in everyday situations using scientific methods to conduct lab experiments using food products. The preparation of edible food products is not a primary objective of this course. (Can be taken for science credit.)

**CTE Career Cluster Pathway:** Agriculture Science (Agriscience)

**Grades:** 11, 12

**Prerequisite:** None

**Year:** 1 credit

## **Horticulture**

One of the most rapidly growing areas in the field of agriculture is the study of horticulture. This new-found interest is due in a large part to an increasing awareness on the part of the general public, as people look inwardly at a need to be closer to nature and outwardly at a world in which efficient methods of food production and conservation of land are increasingly important. Students will be introduced to plant propagation, plant environments, plant designs, landscaping, and the soils in which plants live. (Can be taken for science credit.)

**CTE Career Cluster Pathway:** Agriculture Science (Agriscience) and Plant Systems

**Grades:** 10, 11, 12

**Prerequisite:** None

**Year:** 1 credit

**Supplies:** 3- ring notebook—2”

### **Plant and Soil Science**

Everyone depends upon the efficient production of farm crops. With population trends continuing upward and with the reduction of agricultural lands, we will rely even more upon agriculture science and progressive agronomists. Development of new uses for crops will continue to be a major force in agriculture, as students will be introduced to production methods, conservation practices, plant growth requirements, insects, plant diseases, soils, and various plant species. (Can be taken for science credit.)

**CTE Career Cluster Pathway:** Agriculture Science (Agriscience) and Plant Systems

**Grades:** 10, 11, 12

**Prerequisite:** None

**Year:** 1 credit

**Supplies:** 3- ring notebook—2”

### **Research In Agriculture Science**

This is the most advanced course in the agriculture science curriculum. The course allows students to experience advanced study in an agricultural area of their choice not addressed in the current agri science curriculum. Students will identify and design a specific area of study and will be responsible for the presentation of a completed research project. Projects will include related involvement with elementary students. (Can be taken for science credit.)

**CTE Career Cluster Pathway:** Agriculture Science (Agriscience) and Plant Systems

**Grade:** 12

**Prerequisite:** Completed one or more of the following: Animal Science, Plant and Soil Science, or Horticulture. Teacher recommendation

**Year:** 1 credit

**Supplies:** 3- ring notebook—2”

## **ART**

**Art Exploration:** 9, 10, 11, 12

**Drawing:** 9, 10, 11, 12

**Painting:** 9, 10, 11, 12

**Air Brushing:** 10, 11, 12

**Jewelry/Art Metals:** 9, 10, 11, 12

**Ceramics - Handbuilt:** 9, 10, 11, 12

**Ceramics - Wheel Thrown:** 9, 10, 11, 12

**Computer Graphics:** 9, 10, 11, 12

**Graphic Design:** 10, 11, 12

**Graphic Imaging:** 10, 11, 12

### **Art Exploration**

This course is a prerequisite for all other art courses. Students enrolled in Art Exploration will experience a concentrated, sequential study of design, color theory, drawing, and perspective. Art Exploration is considered the foundation for all of the other art courses.

**Grades:** 9, 10, 11, 12

**Prerequisite:** None

**Semester:** 1/2 credit

### **Drawing**

This class is a combination of black and white drawing and color drawing. The course will introduce a variety of black/white and color media and techniques. Students will build on their knowledge of color, drawing techniques, perspective, value, and contrast to solve a variety of compositional problems to create visually unique expressions. Creativity, imagination, visualization, and the power of observation are needed for success in this class.

**Projects:** Cost of individual projects will be the responsibility of the student. The total cost of each project must be paid prior to beginning the project.

**Grades:** 9, 10, 11, 12

**Prerequisite:** Art Exploration

**Semester:** 1/2 credit

**Painting**

Painters will solve a variety of assigned composition problems as well as create paintings of their choice. A variety of media, techniques, and subject matter will be explored in this class. Color theory, mixing, mood, attitude, and usage will be explored, tested, and applied.

**Projects:** Cost of individual projects will be the responsibility of the student. The total cost of each project must be paid prior to beginning the project.

**Grades:** 9, 10, 11, 12

**Prerequisite:** Art Exploration

**Semester:** 1/2 credit

**Air Brushing**

Students will experience and practice techniques and skills needed to airbrush. Through various exercises and projects, students will gain valuable knowledge in free handing and masqueing with the airbrush.

**Projects:** Cost of individual projects will be the responsibility of the student. The total cost of each project must be paid prior to beginning the project.

**Grades:** 10, 11, 12

**Prerequisite:** Art Exploration and Drawing or Art Exploration and Instructor Permission

**Semester:** 1/2 credit

**Jewelry/Art Metals**

Students will experience both lost wax cast and fabrication techniques to create a variety of “original” jewelry pieces and other objects in silver and gold utilizing stones as a design element. Students will be expected to solve a series of instructor-initiated problems. Creativity, problem solving, analysis of variations, and options are thinking skills employed in this class.

**Projects:** Cost of individual projects will be the responsibility of the student. The total cost of each project must be paid prior to beginning the project.

**Grades:** 9, 10, 11, 12

**Prerequisite:** Art Exploration

**Semester:** 1/2 credit

**Ceramics—Handbuilt**

Basic ceramic skills ranging from clay preparation to glaze application are introduced and practiced. Students employ a variety of techniques including pinch pot, coil and slab construction. A creative, problem solving approach to the design of ceramic forms, surface treatment and glaze application is stressed. The ability to visualize form and to develop unique ideas through sketches is a valuable asset for this studio class.

**Projects:** Cost of individual projects will be the responsibility of the student. The total cost of each project must be paid prior to beginning the project.

**Grades:** 9, 10, 11, 12

**Prerequisite:** Art Exploration

**Semester:** 1/2 credit

### **Ceramics—Wheel Thrown**

Students learn basic skills necessary to form ceramic pieces using the potter's wheel. Students complete a series of individual pieces, using a creative, problem-solving approach to explore a variety of forms and develop skills ranging from clay preparation to glaze application. The ability to visualize form and to develop unique ideas through sketches is a valuable asset for students in this class.

**Projects:** Cost of individual projects will be the responsibility of the student. The total cost of each project must be paid prior to beginning the project.

**Grades:** 9, 10, 11, 12

**Prerequisite:** Art Exploration

**Semester:** 1/2 credit

### **Computer Graphics**

This course offers a fundamental understanding of hardware and software designed to combine art, computer technology, and creativity. Students will utilize critical thinking and drawing skills to solve a variety of teacher-driven problems related to concept design. Coursework focuses primarily on 2-D format. (Can be taken for computer credit.)

**CTE Career Cluster Pathway:** Web and Digital Communications

**Projects:** Cost of individual projects will be the responsibility of the student. The total cost of each project must be paid prior to beginning the project.

**Grades:** 9, 10, 11, 12

**Prerequisite:** Art Exploration and Drawing or Art Exploration and Instructor Permission

**Semester:** 1/2 credit

### **Graphic Design**

**(BCC Concurrent Credit Optional)**

This course is designed to advance artistic creativity using the tools of technology. Students will complete teacher-defined projects in 3-D format to represent products (real and imagined) and ad advertising. Students will be required to research projects via the internet and to perhaps incorporate some of their own photography. (Can be taken for computer credit.)

**Optional:** BCC tuition for concurrent credit (3hrs.). See page 9 - 10

**Projects:** Cost of individual projects will be the responsibility of the student. The total cost of each project must be paid prior to beginning the project.

**CTE Career Cluster Pathway:** Web and Digital Communications

**Grades:** 10, 11, 12

**Prerequisite:** Art Exploration and Computer Graphics; Teacher recommendation

**Semester:** 1/2 credit

### **Graphic Imaging**

**(BCC Concurrent Credit Optional)**

Students will use computer technology to manipulate photographic images, combine images to produce creative composition, and digitally transfer line drawings to computer compositions. Projects will incorporate 2-D and 3-D skills and animation to creatively define and solve teacher-initiated problems. (Can be taken for computer credit.)

**Optional:** BCC tuition for concurrent credit (3hrs.). See page 9 - 10

**Projects:** Cost of individual projects will be the responsibility of the student. The total cost of each project must be paid prior to beginning the project.

**Grades:** 10, 11, 12

**Prerequisite:** Art Exploration and Computer Graphics; Experience in 2-dimensional art is helpful but not required

**Semester:** 1/2 credit



# Business

**Business Essentials:** 9, 10  
**Entrepreneurship:** 9, 10  
**Accounting:** 10, 11, 12  
**Advanced Accounting:** 11, 12  
**Business Economics:** 10, 11, 12  
**MicroComputing:** 9, 10  
**Computer Applications:** 9, 10, 11, 12  
**Emerging Technologies:** 10, 11, 12  
**Game Design and Authoring for the Web:** 11, 12  
**Project Management:** 11, 12  
**Webpage Design:** 11, 12  
**Principles of Marketing (DECA):** 11, 12  
**Marketing Applications (DECA):** 12  
**Intro to Computer Information Systems:** 11, 12  
**Intro to Leadership Studies:** 11, 12  
**Personal Finance:** 10, 11, 12  
**Helping Hands:** 11

**Students may also earn computer credit  
for graduation  
by successfully completing:**

Advanced Accounting (1 yr = 1/2 credit)  
Computer Graphics  
Graphic Design  
Graphic Imaging  
Applied Graphic Design  
Digital Media Design and Production  
21st Century Journalism  
Photo Imaging  
Auto-CAD I  
Auto-CAD II  
Marketing Applications (2yrs = 1/2 credit)  
Video Production  
Helping Hands (1 yr = 1/2 credit)

## **Business Essentials**

This is a core course designed to give students an overview of the business, marketing and finance career cluster occupations. Students will develop an understanding of how academic skills in mathematics, economics, and written and oral communications are integral components of success in these occupations. Students will examine current events to determine their impact on business and industry and legal and ethical behavior, acquire knowledge of safe and secure environmental controls to enhance productivity, determine how resources should be managed to achieve company goals, and identify employability and personal skills needed to obtain a career and be successful in the workplace. As students learn about different types of business ownership, they will interpret industry laws and regulations to ensure compliance, identify principles of business management, and analyze business practices to determine ethics and social responsibilities.

**CTE Career Cluster Pathway:** Marketing and Business Finance

**Grades:** 9, 10

**Prerequisite:** None

**Semester:** 1/2 credit

## **Entrepreneurship**

Entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication.

**CTE Career Cluster Pathway:** Marketing and Business Finance

**Grades:** 9, 10

**Prerequisite:** None

**Semester:** 1/2 credit

## **Accounting**

This course introduces students to accounting concepts and principles. It offers initial skills, knowledge, and attitudes necessary for individuals wishing to conduct personal business or to further their education in the field of business. \* Recommended for anyone interested in majoring in Business (Accounting, Management, Marketing, Finance, or Computer Information Systems) at the college level.

**CTE Career Cluster Pathway:** Business Finance

**Grades:** 10, 11, 12

**Prerequisite:** None

**Year:** 1 credit

**Supplies:** eversharp, ruler, eraser, calculator

### **Advanced Accounting**

This class is designed for students interested in pursuing the study of business at the post secondary level or in seeking an entry-level position upon graduation from high school. The course provides the opportunity for students to review and further develop the basic/fundamental accounting principles learned in first-year accounting by applying those principles which are commonly used within accounting systems in business and in vocational and university courses. In addition, a computerized accounting software package will be introduced.

**CTE Career Cluster Pathway:** Business Finance

**Grades:** 11, 12

**Prerequisite:** Accounting

**Year:** 1 credit

### **Business Economics**

This course integrates economic principles (such as free market economy, consumerism, and the role of American government within the economic system) with entrepreneurship/business concepts (such as marketing principles, business law, and risk).

**CTE Career Cluster Pathways:** Marketing and Business Finance

**Grades:** 10, 11, 12

**Prerequisite:** None

**Semester:** 1/2 credit (Social Science or Business Elective)

### **MicroComputing**

This course is for students who need to reinforce keyboarding skills, improve computer literacy skills, practice word processing skills (such as formatting reports, tables, and letters), and improve editing and proofreading skills. English grammar and punctuation are reinforced.

**Grades:** 9, 10

**Prerequisite:** Teacher Recommendation Required

**Semester:** 1/2 credit

### **Computer Applications**

This course teaches the fundamentals of computer application software, Windows 10 operating system, and internet browsers. It is designed to emphasize the learning and practicing of software features of e-mail management, word processing, spreadsheets, and presentations utilizing the software package Microsoft Office 2016 (Outlook, Word, Excel, and Power Point). Hands-on applications will include leaning skills necessary to function in a computerized environment. Students will also be expected to demonstrate career development skills such as time management, problem solving, technical reading, work ethic, teamwork, personal leadership, and communication.

**CTE Career Cluster Pathways:** AV Communications and Web and Digital Communications

**Grades:** 9, 10, 11, 12

**Semester:** 1/2 credit

**Supplies:** ear buds

### **Emerging Technologies**

This course focuses on the development of advanced computer and problem-solving skills using the Internet. Students in this course will learn various applications to create graphics and multimedia. Students will learn how to build and maintain websites using state-of-the-art software, and will study appropriate communication using social media. Computer history and hardware and technology-related careers will be explored. Students will be assisted in techniques reflective of the high demand, high skill, and high wage careers in e-commerce. Technical reading and writing will be applied.

**CTE Career Cluster Pathways:** Web and Digital Communications

**Grades:** 10, 11, 12

**Prerequisite:** Computer Applications

**Semester:** 1/2 credit

**Supplies:** ear buds

### **Game Design and Authoring for the Web**

This course provides students with a challenging programming experience utilizing the basic concepts, methods, and skills in programming while creating video games through interactive software. Students will apply the design process to real world problems, understand and demonstrate basic programming concepts and functions, know how to use a 3D game editor, and be able to explain the basic elements of a well-designed video game program. As an intern, students will have interactions with their supervisor, co-workers, and customers, and learn what it takes to be successful in the real world.

**CTE Career Cluster Pathways:** Web and Digital Communications

**Grades:** 11, 12

**Prerequisite:** Computer Applications, Emerging Technologies, Advanced Algebra II (or concurrent enrollment in Advanced Algebra II), or Teacher Recommendation

**Semester:** 1/2 credit

### **Project Management**

Get on-the-job training in a setting that uses actual work experience for career skills development. Help design and produce programs for Hays High sporting events, vocal music activities, award recognition nights, and more. Use your creativity while constructing signs for the candidate cars in the Homecoming parade. Create and print tickets for various activities. Use your graphic design know-how to assist DECA students with their visual aids for state competition. Finish the year off with the Project Graduation and Academic/Athletic Recognition Books. Continue to develop technical and artistic skills that will add to your employability in today's high-tech markets. Supervised work experience bridges in-school programs to the world of work.

**CTE Career Cluster Pathway:** Web and Digital Communications

**Grades:** 11, 12

**Prerequisite:** Computer Applications or Business Teacher Recommendation

**Semester/Year:** 1/2 or 1 credit \*Students may enroll in fall semester or all year.

### **Webpage Design**

Students may apply and interview for a position on the Hays High School Webteam. This class offers an opportunity to plan, design, build, and maintain the Hays High School Website. Upper level design and programming skills will be reinforced and students will have unlimited creative options. Assignments will require extracurricular time. Applications may be obtained from the Web Team instructor.

**CTE Career Cluster Pathway:** Web and Digital Communications

**Grades:** 11, 12

**Prerequisite:** Computer Applications and Emerging Technologies, and/or teacher recommendation. Application required.

**Year:** 1 credit

### **Principles of Marketing (DECA)**

This year long course will focus on how to specify information needs and design a research study to meet those needs; collect, analyze, and use marketing research data to make effective marketing decisions; and communicate the research findings and their implications to various publics. Marketing students will be expected to participate in DECA activities. DECA focuses on the development of leadership and career skills as well as providing students the opportunity to compete at the state and national levels. (Can be taken for computer credit if both Principles of Marketing and Marketing Applications are completed)

**CTE Career Cluster Pathway:** Marketing

**Student Membership Dues:** \$30 DECA Dues

**Grades:** 11, 12

**Prerequisite:** None

**Year:** 1 credit

### **Marketing Applications (DECA)**

This year long class is a comprehensive course that focuses on the wide range of factors that influence the flow of goods and services from the producer to the consumer. Topics may include (but are not limited to) market research, the purchasing process, distribution systems, warehouse and inventory control, salesmanship, sales promotions, shoplifting and theft control, business management and entrepreneurship. Human relations, computers and economics will be taught as well. Marketing students will be expected to participate in DECA activities. DECA focuses on the development of leadership and career skills as well as providing students the opportunity to compete at the state and national levels.

CTE Career Cluster Pathway: Marketing

Student Membership Dues: \$30 DECA Dues

**Grade:** 12

**Prerequisite:** Principles of Marketing

**Year:** 1 credit

### **Introduction to Computer Information Systems INF 101**

**(FHSU Concurrent Credit Required - 3 hrs \$207.24 per credit hour 2016-17)**

This course is an introduction to computing with an emphasis on improving productivity and communication through the effective use of available technology. Students will acquire computing skills to increase personal productivity in problem solving, critical thinking, and information management through the use of available software packages designed for office applications and telecommunications, including the Blackboard course management software, Microsoft Windows 10, and Microsoft Office 2016— Outlook, Word, Excel, PowerPoint, and Access. This course meets the Foundation Studies General Education requirement for FHSU.

**Required:** FHSU tuition for concurrent credit (3hrs) See page 9 - 10

**Grades:** 11, 12

**Prerequisite:** None

**Semester:** 1/2 credit

### **Introduction to Leadership Studies**

This course is a unique opportunity for high school students to develop and enhance their leadership skills. Hands-on activities, speakers, class projects, and service learning are all components of this course. The objective is to promote both the understanding and practical skills of leadership thinking and behavior including team building, motivation, problem-solving, and goal-setting. This class can also be taken for concurrent credit.

**Optional:** FHSU tuition for concurrent credit (3hrs.). See page 9 - 10

**Grades:** 11, 12

**Prerequisite:** None

### **Personal Finance**

This class will focus on consumer issues the student will encounter throughout his/her adult life. Topics to be discussed: payroll, taxes and filing; consumer rights, responsibilities and protection; saving and investing; budgeting; insurances; transportation; clothing and housing needs; health care costs; and social responsibilities. Realistic applications will be used to address economic issues.

**CTE Career Cluster Pathway:** Business Finance and Family, Community and Consumer Services

**Grades:** 10, 11, 12

**Prerequisite:** None

**Semester:** 1/2 credit

**Supplies:** ear buds

### **Helping Hands**

Helping Hands is a student maintained business providing experience in a commercial bakery setting. Car detailing along with daily business applications round out the student experience in Helping Hands. Students learn how to plan, market, create and provide services to the community. Experience in invoicing, accounts receivable, accounts payable, inventory, advertising and cost analysis of goods are part of this program. Working in a cooperative manner with co-workers, supervisors and customers are topics students are graded on. Students will be trained in food safety procedures and earn the Serv Safe Food Handler Certificate as part of this program. (Can be taken for computer credit.)

**Grade:** 11

**Prerequisite:** None

**Year:** 2 credit block (Concurrent enrollment in Helping Hands - Social Studies and Helping Hands - Business)

# English

**English I: 9**

**Honors English I: 9**

**English II: 10**

**Honors English II: 10**

**English III: 11**

**Honors English III: 11**

**English IV: 12**

**AP English IV/Concurrent: 12**

**Drama: 9, 10, 11, 12**

**Fund. of Oral Communication : 11, 12**

**\*required to take for Concurrent Credit**

**Novice Debate: 9, 10, 11, 12**

**Advanced Debate: 10, 11, 12**

**Forensics: 9, 10, 11, 12**

## Supply List for All Grade Levels

Notecards - 3x5 lined (100)

Paper - looseleaf or perforated

Pocket folder

Pens - blue or black

Highlighters - set of 4

Students must bring their school computer, charger, stylus and ear buds/headphones to class.

Options are available to assist students at Hays High School in completing English credit according to individual learning needs. To accommodate individual needs, students may be placed according to test scores, grades, and teacher/counselor recommendation.

## **English I (QA)**

Based on the Kansas College and Career Readiness Standards (KCCRS), the English I core curriculum involves the study of literature, grammar, composition, research, and organizational skills.

Specifically, the focus in each of these areas includes vocabulary building, reading comprehension, citing strong and thorough textual evidence to support analysis of what text explicitly says. Study of the elements of the short story, the parts of speech and parts of the sentence, basic punctuation, outline structure, paragraph unity, coherence, and development, library use, and accurate bibliography format are also developed. Thoughtful preparations of oral presentations are broadened. Expectations include completion of all major papers, literary readings, daily work, and required oral presentations, as well as active participation in class discussions.

**Grade:** 9

**Prerequisites:** None

**Year:** 1 credit

## **English II (QA)**

Based on the Kansas College and Career Readiness Standards (KCCRS), the English II core curriculum serves as a continuation of the study of literature stressing vocabulary building, interpretation and expansion, including how the text emerges and is shaped and refined by specific details. Literary styles include short stories, poetry, novels, and drama. During the required career research project, the student will explore careers and skills necessary for such careers. Expanded communication skills involve active listening, critical thinking, reading, writing, viewing, speaking, and small group discussions. Expository and technical writings are stressed at this level and will focus on sentence variety, word choice, essay structure, and the use of transitions. Expectations include completion of all major papers, literary readings, daily work, and required oral presentations, as well as active participation in class discussions.

**Grade:** 10

**Prerequisites:** English I

**Year:** 1 credit

**English III (QA)**

Based on the Kansas College and Career Readiness Standards (KCCRS), the English III core curriculum explores authors' intentions and universal, cultural themes as found in American literature. Selections include speeches, articles, short stories, poetry, drama, and novels. Writing at this level stresses sentence combining using varying syntax and includes expository and persuasive essays, focusing on establishing and supporting a claim. ACT practice and vocabulary building through the use of context clues for denoted or inferred meaning are implemented to improve ACT scores. Students demonstrate public speaking skills through informative and persuasive class presentations. A formal research project is required. Expectations include completion of all major papers, literary readings, daily work, and required oral presentations, as well as active participation in class discussions.

**Grade:** 11

**Prerequisites:** English I, II

**Year:** 1 credit

**English IV (QA)**

Based on the Kansas College and Career Readiness Standards (KCCRS), the English IV core curriculum requires an in-depth study of multiple literary genres (classic to contemporary), exploring authors' intentions and universal, cultural themes. Time periods and literary pieces covered help students to better understand the evolution of society as represented in literature. Selected readings clarify important ideas, stimulate discussion, and act as a springboard for writing. A comprehensive study of varied structures of expository composition, an exploration of technical writing to include the resume and business correspondence, knowledge of APA research documentation, and exclusive use of MLA documentation used to complete a formal argumentation paper are required by all seniors. Regular grammar workouts that examine varying syntax, vocabulary building, and reading strategies are all implemented to improve ACT scores. Expectations include completion of all major papers, literary readings, daily work, and required oral presentations.

**Grade:** 12

**Prerequisites:** English I, II, III

**Year:** 1 credit

**Since much greater demands are placed on those students who participate  
in Honors/AP courses, enrollment will be screened.**

### **Honors English I (QA)**

Based on the Kansas College and Career Readiness Standards (KCCRS), the Honors English I course is designed for the student entering high school with above average reading and writing skills. While some of the content may be the same as English I (literature, grammar, vocabulary and oral presentation) greater emphasis will be placed upon analysis citing strong and thorough textual evidence to support analysis of what text explicitly says. The students will focus on authors' use of literary elements, techniques, and structure; application of themes to current society; independent reading of text and non-text materials; examination of mythology from various cultures; and group interaction skills. The student can expect more extensive outlining/writing/revision/research activities along with limited practice of essays, and creative forms of writing such as short story, drama, and poetry. The student will develop an independent approach to his or her study of English and work beyond minimum levels of performance. In preparation for this course, the student should complete the required summer reading preceding his or her freshman year. Expectations include completion of all major papers, literary readings, daily work, vocabulary building and required oral presentations, as well as active participation in class discussions.

**Grade:** 9

**Prerequisites:** Teacher recommendation

**Year:** 1 credit

**Summer Reading:** Summer reading is required - list to be announced in May.

### **Honors English II (QA)**

Based on the Kansas College and Career Readiness Standards (KCCRS), the Honors English II course requires a committed student who is willing to be challenged and meet deadlines. With an in-depth study of author style, the student will analyze, citing strong and thorough textual evidence to support analysis of what text explicitly says. Focusing on short stories, plays, poetry and novels, the student can expect intensive reading, more extensive, analytical writing, and greater opportunity for individual and group enrichment activities. Included within these literature studies, students will develop their vocabulary and grammatical skills through quizzes and written assignments, implemented to improve ACT scores. Outside reading and formal research writings are required. In preparation for this course, students are expected to read one novel during the summer preceding their sophomore year. Expectations include completion of all major papers, literary readings, daily work, and required oral presentations, as well as active participation in class discussions.

**Grade:** 10

**Prerequisites:** English I; Honors English I is recommended.

**Year:** 1 credit

**Summer Reading:** Summer reading is required - list to be announced in May



**Honors English III (QA)**

Based on the Kansas College and Career Readiness Standards (KCCRS), the Honors English III course is designed for the student who has developed a strong background in language arts and wants to be challenged. While some of the content may be the same as that of English III, the student can expect in-depth exploration of authors' intentions and universal, cultural themes as found in American literature, more extensive writing, and greater opportunity for individual and group enrichment activities. Activities will facilitate analytical and reflective thinking/writing skills (which are different than creative writing) - focusing on establishing and supporting a claim - and vocabulary building. The junior Honors English student can expect weekly vocabulary quizzes designed to boost PSAT/ACT scores in addition to PSAT/ACT drill and practice. Outside reading and a formal research paper are required. Expectations include completion of all major papers, literary readings, daily work and required oral presentations, as well as active participation in class discussions.

**Grade:** 11

**Prerequisites:** English I, II

Honors English I, II recommended

**Year:** 1 credit

**Summer Reading:** Summer reading is required - list to be announced in May

**AP English IV/Concurrent (QA)**

Based on the Kansas College and Career Readiness Standards (KCCRS), the AP English IV/Concurrent Credit course is time consuming and challenging. It requires a committed student who is willing to meet deadlines, to work with others, and to make time outside of class for writing conferences. This course involves an in-depth study of literary analysis, focusing on authors' intentions, style, and structure, which includes the genres of fiction, poetry, essays and plays. The course also promotes among students, an awareness of the world as "global village" by incorporating relevant geographical and historical materials which should serve to increase the students' understanding of varied human values, attitudes and behaviors of races and cultures of people from throughout the world. Students will develop their higher-level critical thinking skills, making claims and supporting claims by citing evidence from the text. To improve standardized testing scores, students will develop their vocabulary skills and reading skills as they examine classical and modern world literature. For the writing portion of the class, students will compose a minimum of six formal essays, demonstrating their knowledge of process writing, a reflective process journal, and several in-class and informal essays. In preparation for this course, students are expected to read various novels during the summer, using a list obtained from their instructor. Students may opt to take the AP Literature and/or Language exam at the end of the year and obtain college credit at participating universities, depending upon the score earned on the exam. Expectations include completion of all major papers, literary readings, daily work, and required oral presentations, as well as active participation in class discussions.

**Optional:** Approximately \$90 for AP exam or FHSU tuition for concurrent credit (3 or 6 hrs.). See page 9 - 10

**Grade:** 12

**Prerequisites:** English I, II, III

Honors English I, II, III strongly recommended

**Year:** 1 credit

**Summer Reading:** Summer reading is required - list to be announced in May

## **Fundamentals of Oral Communication**

### **FHSU Concurrent Credit Required - 3 hrs (\$207.24 per credit hour 2016-17)**

This course examines theories and practices relevant to acquiring skill in interpersonal relations and public speaking. Students develop knowledge of, appreciation for, and skill in applying a variety of theories of communication. This course provides frequent practical opportunities for students to develop skills in public speaking through the development, organization, preparation, and delivery of three major public speeches. Students are provided ample opportunities to develop skills in interpersonal communication through a number of structured learning experiences (SLE's). This course allows students to develop sensitivity to how personal and situational factors such as perception, beliefs, attitudes, nonverbal signals, and sexist language influence both informal and formal communication. Students are prepared to be more effective critical listeners while developing knowledge about appropriate active listening skills during public speeches.

**Required:** FHSU tuition for concurrent credit (3hrs.). See page 9 - 10

**Grade:** 10, 11,12

**Concurrent Credit:** Grades 11 & 12

**Prerequisites:** Jr or Sr status or teacher permission.

**Semester:** 1/2 credit

## **Drama**

Students will explore the areas of scene development, feelings and emotions, vocal variation, character development, acting, blocking and directing, as well as the technical and physical aspect of theatre.

**Grades:** 9, 10, 11, 12

**Prerequisites:** None

**Semester:** 1/2 credit

## **Novice Debate**

Debate is an activity for those students who desire to learn how to effectively defend a viewpoint. Students will be taught communication skills (verbal and nonverbal), research skills, and argumentation skills. This class is especially designed for the college-bound and/or academically inclined student. Students will be required to attend a minimum of three debate competitions, and some work will be required outside of class. Weekend tournaments and work-nights will serve as the lab portion of this course.

**Student Membership Dues:** \$15 NFL membership required.

**Grades:** 9, 10, 11, 12

**Prerequisites:** None

**Semester 1:** 1/2 credit

**Supplies:** thumb drive

## **Forensics**

Forensics is a participative, competitive class consisting of speaking, acting, and interpretation. Students will learn about the KSHSAA and NFL competition approved speaking, acting, and interpretive events in this class. Students will select two different events for competition and prepare speeches and/or material for them. Students are also required to do multiple events in class that are not taken to competition. Students will be expected to participate at multiple tournaments throughout the course of the semester. Possible events include a variety of humorous/serious literature interpretations, prepared informative and persuasive speeches, student congress, Lincoln-Douglas debate, and extemporaneous speaking over national and international topics.

**Student Membership Dues:** \$15 NSDA membership required.

**Grades:** 9, 10, 11, 12

**Prerequisites:** None

**Semester :** 1/2 credit

**Supplies:** highlighters

### **Advanced Debate**

This course is designed to build upon the skills learned in Novice Debate. Students will study advanced argumentation theory and be required to spend time practicing and researching outside of class. Students will be required to attend a minimum of four debate tournaments.

**Student Membership Dues:** \$15 NFL membership required

**Grades:** 10, 11, 12

**Prerequisites:** Novice Debate and Instructor Permission

**Semester :** 1/2 credit

**Supplies:** thumb drive

## Foreign Language

**German I:** 9, 10, 11, 12

**German II:** 10, 11, 12

**German III:** 11, 12

**German IV:** 12

**Spanish I:** 9, 10, 11, 12

**Spanish II:** 10, 11, 12

**Spanish III:** 11, 12

**Spanish IV:** 12

**Heritage Spanish Speakers I:** 9, 10, 11, 12

**Heritage Spanish Speakers II:** 10, 11, 12

**Elementary Latin:** 9, 10, 11, 12

**Intermediate Latin:** 10, 11, 12

**Mandarin Chinese:** 9, 10, 11, 12 (not offered at this time)

The Hays High Spanish and German curriculum is aligned with the Kansas State Standards for Foreign Language and the standards and benchmarks set by the American Council on the Teaching of Foreign Language. There are ten levels of proficiency outlined in the [ACTFL Speaking Proficiency Guidelines](#), the first four of which are Novice-Low, Novice-Mid, Novice-High, and Intermediate-Low.

Study of a foreign language in high school is recommended for all college-bound students. Successful completion of the four-year program would enable students to seek advanced placement at most colleges and universities, resulting in substantial monetary savings.

### **German I**

Students achieve the Novice-Low level of speaking skills, and similar levels in listening, reading, writing and presenting in German. Students acquire information about German-speaking countries and people through authentic materials. Students use German as a communication tool in other content areas. Students compare German language and culture with their own. They are encouraged to explore areas of personal interest to them, and to become life-long learners of German.

**Grades:** 9, 10, 11, 12

**Prerequisite:** "C" average in English recommended

**Year:** 1 credit

### **German II**

Students achieve the Novice-mid level of speaking skills, and similar levels in listening, reading, writing, and presenting in German. Activities and levels of performance build upon and extend those of German I.

**Grades:** 10, 11, 12

**Prerequisite:** German I, (or teacher recommendation)

**Year:** 1 credit

### **German III**

Students achieve the Novice-High level of speaking skills, and similar levels in listening, reading, writing, and presenting in German. Activities and levels of performance build upon and extend those of German II. In addition, students research historical and current topics related to German-American relations and local history.

**Grades:** 11, 12

**Prerequisite:** German I, II (or teacher recommendation)

**Year:** 1 credit

### **German IV (not offered at this time)**

Students achieve the Intermediate-Low level of speaking skills, and similar levels in listening, reading, writing, and presenting in German. Activities and levels of performance build upon and extend beyond those of German III, as students refine their use of German for communication and research.

**Grades:** 12

**Prerequisite:** German I, II, III, (or teacher recommendation)

**Year:** 1 credit

### **Spanish I**

Students achieve the Novice-Low level of speaking skills, and similar levels in listening, reading, writing, and presenting in Spanish. Students acquire information about Spanish-speaking countries and people through experiences with authentic materials and comparison of cultures. Spanish is used to communicate about other content areas and to explore topics of personal interest and current events with each student. Students are encouraged to become life-long learners of Spanish.

**Grades:** 9, 10, 11, 12

**Prerequisite:** "C" average in English recommended.

**Year:** 1 credit

### **Spanish II**

Students achieve the Novice-Mid level of speaking skills, and similar levels in listening, reading, writing, and presenting in Spanish. Activities and levels of performance build upon and extend those of Spanish I.

**Grades:** 10, 11, 12

**Prerequisite:** Spanish I, (or teacher recommendation)

**Year:** 1 credit

### **Spanish III**

#### **(BCC Concurrent Credit Optional)**

Students achieve the Novice-High level of speaking skills, and similar levels in listening, reading, writing, and presenting in Spanish. Activities and levels of performance build upon and extend those of Spanish II. Students delve more deeply into the Spanish culture through activities and reading in Spanish.

**Optional:** BCC tuition for concurrent credit (5 hrs.). See page 9 - 10

**Grades:** 11, 12

**Prerequisite:** Spanish I, II, (or teacher recommendation)

**Year:** 1 credit

### **Spanish IV**

#### **(BCC Concurrent Credit Optional)**

Students achieve the Intermediate-Low level of speaking skills, and similar levels in listening, reading, writing, and presenting in Spanish. Activities and levels of performance build upon and extend beyond those of Spanish III, as students refine their use of Spanish for communication and research.

**Optional:** BCC tuition for concurrent credit (5 hrs.). See page 9 - 10

**Grade:** 12

**Prerequisite:** Spanish I, II, III, (or teacher recommendation)

**Year:** 1 credit

### **Heritage Spanish Speakers I**

This class is designed to help Heritage speakers increase their Spanish vocabulary, their knowledge of the Spanish language in listening, reading, speaking, writing, and focusing on form. There will also be a segment on tools and tips for translating and interpreting. This will all be done by using workbooks, doing projects, skits, oral and written reports.

**Grade:** 9, 10, 11, 12

**Prerequisite:** Native Spanish speaker/Spanish spoken in the home

**Year:** 1 credit

### **Heritage Spanish Speakers II**

Spanish for Heritage speakers 2 is a continuation of the Spanish for Heritage Speakers 1. Students will continue to work on increasing vocabulary and language skills. The students will work on strengthening their interpreting and translating skills as well as some life skills to help the acculturation into the English speaking society.

**Grade:** 10, 11, 12

**Prerequisite:** Heritage Spanish Speakers I, native Spanish speaker/Spanish spoken in the home

**Year:** 1 credit

quidquid Latine dictum sit altum videtur

### **Elementary Latin**

This is an online course taught through the Edgenuity platform. Students begin their introduction to Latin with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and cultural presentations covering significant aspects of Roman culture or their modern-day manifestations, and assessments. Students will engage in basic translation and identify English derivatives. Students will be given the opportunity to experience elements of Roman life through recipes, art projects, and simple science activities. This course will prepare students for the Level I National Latin Exam. This course has been aligned to the national standards as set forth by ACTFL (American Council on the Teaching of Foreign Languages).

**Grades:** 9, 10, 11, 12

**Prerequisite:** "C" average in English recommended

**Year:** 1 credit

### **Intermediate Latin**

This is an online course taught through the Edgenuity platform. Students continue their introduction to Latin with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. This course builds upon the basic translation, grammar, speaking, and reading skills acquired in Elementary Latin. While extending vocabulary, this course focuses on more advanced structures of Latin. Students study culture and history, notable ancient myths, intermediate grammar patterns, and more complex vocabulary. Students will be given the opportunity to experience elements of Roman life through recipes, art projects, and simple science activities. This course will prepare students for the Level II National Latin Exam. This course has been aligned to the national standards as set forth by ACTFL (American Council on the Teaching of Foreign Languages).

**Grades:** 10, 11, 12

**Prerequisite:** Elementary Latin

**Year:** 1 credit

### **Mandarin Chinese I (not offered at this time)**

Students achieve the Novice-Low level of speaking skills, listening, reading, writing and presenting in Mandarin Chinese. Students acquire information about China's culture and history through authentic materials. Students compare Chinese language and culture with their own. Students are encouraged to explore areas of personal interest, and to become life-long learners of Chinese.

**Grades:** 9, 10, 11, 12

**Prerequisite:** "C" average in English recommended

**Year:** 1 credit

# Human Services

**Life Management 9, 10, 11**

**Nutrition and Healthy Eating 10, 11, 12**

**Personal Finance: 10, 11, 12**

**Family Studies 11, 12**

**Human Growth and Development: 10,11,12**

**Career Connections: 12**

**Basic Food Preparation: 9, 10, 11, 12**

**Culinary Essentials: 10, 11, 12**

**Crafts for Leisure and Profit: 10, 11, 12**

## **Life Management**

This course introduces students to life management skills and career opportunities relating to services for others. Course topics will include, but not be limited to: consumerism, building healthy relationships, financial issues, parenting skills, business etiquette, and careers.

**CTE Career Cluster Pathway:** Family, Community and Consumer Services

**Grades:** 9, 10, 11

**Prerequisite:** None

**Semester:** 1/2 credit

## **Nutrition and Healthy Eating**

This course is for the student who is motivated to explore foods as they relate to their health, appearance and performance.

Topics will include, but not be limited to: nutrients and their functions; nutritional needs through the lifespan; influences on food choices; benefits of activity; label reading; and eating disorders. Students will prepare recipes in lab that reinforce the topics introduced. (Can be taken for ½ health credit)

**CTE Career Cluster Pathway:** Family, Community and Consumer Services

**Grades:** 10, 11, 12

**Prerequisite:** Basic Food Prep.

**Semester:** 1/2 credit

**Supplies:** ear buds

## **Personal Finance**

This class will focus on consumer issues the student will encounter throughout his/her adult life. Topics to be discussed: payroll; taxes and filing; consumer rights, responsibilities and protection; saving and investing; budgeting; insurances; transportation; clothing and housing needs; health care costs; and social responsibilities. Realistic applications will be used to address economic issues.

**CTE Career Cluster Pathway:** Business Finance and Family, Community and Consumer Services

**Grades:** 10, 11, 12

**Prerequisite:** None

**Semester:** 1/2 credit

**Supplies:** ear buds

### **Family Studies**

This course is designed to help the student learn about children and their development from conception through the preschool years. The student will explore the role of parenting, family structure, relationships and childcare as a career. The course will be taught using online resources, videos, guest speakers, projects and a textbook. There will be some emphasis to hands-on training with preschool age children.

**CTE Career Cluster Pathway:** Family, Community and Consumer Services

**Grades:** 11, 12

**Prerequisite:** None

**Semester:** 1/2 credit

### **Human Growth and Development**

Human Growth and Development is an examination of human development across the lifespan. Theoretical perspectives, cognitive, physical and social/emotional development will be explored from childhood through late adulthood.

**CTE Career Cluster Pathway:** Family, Community and Consumer Services

**Grades** 10, 11, 12

**Prerequisite:** None

**Semester:** 1/2 credit

Supplies: ear buds

### **Career Connections**

This course provides human services/family and consumer sciences related work-based learning experiences 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.

**CTE Career Cluster Pathway:** Family, Community and Consumer Services

**Grade** 12

**Prerequisite:** Life Management and any 2 of the following: Family Studies, Nutrition and Healthy Eating or Human Growth & Development.

**Semester:** 1/2 credit

### **Basic Food Preparation**

This course is designed to help students acquire basic skills in planning, preparing, and serving foods, including etiquette. Emphasis is placed on the essential principles of time management, equipment use, measurements, terminology and food in the diet.

**Grades:** 9, 10, 11, 12

**Prerequisite:** None

**Semester:** 1/2 credit

### **Culinary Essentials (formerly Food Prep II)**

This comprehensive course covers advanced food preparation, meal planning and food presentation techniques. Special emphasis will be placed on food safety and sanitation procedures. Careers in the food service industry, international foods, food preservation and event planning are explored throughout the course. Students will take part in Serv Safe Food Handling Training and earn the Serv Safe Food Handlers Certificate as part of this program.

**Grades:** 10, 11, 12

**Prerequisite:** Basic Food Preparation

**Semester:** 1/2 credit

### **Crafts for Leisure and Profit (not offered at this time)**

This course is designed to develop skills for leisure time and/or a career. Knitting and crocheting are required, with other projects being student's choice. Reading, following directions, problem solving and understanding terminology are emphasized. Grading is based on attendance, completion and quality of projects.

**Grades:** 10, 11, 12

**Prerequisite:** None

**Semester:** 1/2 credit

**Supplies:** Students will be responsible for purchasing supplies for their individual projects. They also will need one yarn needle, tape measure, and a small pair of scissors.

## Math

**Algebra I:** 9, 10, 11, 12

**Advanced Algebra I:** 9, 10, 11, 12

**Geometry:** 10, 11, 12

**Advanced Geometry:** 9, 10, 11, 12

**Algebra II:** 11, 12

**Advanced Algebra II:** 10, 11, 12

**Functions/ Statistics/Trigonometry:** 11, 12

**Calculus Methods:** 11, 12

**AP Calculus AB:** 12

**FHSU MATH 110 - College Algebra:** 12

**FHSU MATH 250 - Elements of Statistics:** 12

Students may also earn math credit for graduation by successfully completing the following course with administration approval:

(See NCKTC sections for the following course)

Adv. Auto Mechanics (1/2)

**Algebra I is offered to students at Hays High School in two ways: Algebra I and Advanced Algebra I. Students will be placed according to preferred learning style, test scores, grades, and teacher/counselor recommendation.**

### **Calculator Recommendation:**

**Students enrolled in the following courses will need a scientific calculator:**

Algebra I  
Advanced Algebra I  
Geometry  
Advanced Geometry  
Algebra II

**Students enrolled in the following courses will need a graphing calculator.** HHS recommends a TI83 plus or TI84 if students choose to purchase one. HHS has classroom sets of graphing calculators for Advanced Algebra II, FST, and Calculus Methods students to use in the classroom only.

Advanced Algebra II  
Functions/Statistics/Trigonometry  
Calculus Methods  
College Algebra (required by FHSU)  
AP Calculus - AB  
Elements of Statistics (required by FHSU)

### **Algebra I (QA)**

Algebra I includes units which are algebraic in nature. Students will use the calculator to effectively solve problems associated with learning problem solving techniques; using graphs, charts and tables; dealing with data; using ratios and proportions; using signed numbers; using scientific notation; solving problems with powers and roots; using formulas to solve problems; solving problems involving linear equations; graphing data; and factoring.

**Grade:** 9, 10, 11, 12

**Prerequisite:** None

**Year:** 1 credit

**Supplies:** scientific calculator, notebook paper, 1" 3-ring binder, dry erase marker



**Advanced Algebra I (QA)**

This course offers applications in the use of equations, functions, ratios, rates, and proportions to solve everyday situations. Concentrated study of the coordinate plane and distances, rates of change within the plane and practice in the use of powers; square roots and factoring is included.

**Grades:** 9, 10, 11, 12

**Prerequisite:** None

**Year:** 1 credit

**Supplies:** scientific or graphing calculator, notebook paper, 1” 3-ring binder and ruler, dry erase marker

**Geometry (QA)**

Contextual Geometry concentrates on basic geometry skills. Students will learn basic properties with regard to working with lines and angles, working with shapes in two dimensions, working with shapes in three dimensions, working with scale drawings, using right-triangle relationships, geometry in the workplace, line and triangle proofs, coordinate geometry, and transformations.

**Grades:** 10, 11, 12

**Prerequisite:** Algebra I

**Year:** 1 credit

**Supplies:** scientific calculator (3 trigonometric functions), 3-ring notebook, 1 dry erase marker, Geometer (to be purchased at school)

**Advanced Geometry (QA)**

Advanced Geometry concentrates on topics including: logic, transformations, congruency, proofs, two and three-dimensional figures and their measurement formulas, right triangle trigonometry, ratios and similarity, coordinate proofs, and circles.

**Grades:** 9, 10, 11, 12

**Prerequisite:** Advanced Algebra I

**Year:** 1 credit

**Supplies:** scientific or graphing calculator, 3-ring notebook, notebook paper, pencils, 2 highlighters, Geometer (to be purchased at school)

**Algebra II (QA)**

This course emphasizes algebraic expressions, linear and quadratic equations; powers and roots, and functions based on these concepts. Students study equations and inequalities; systems of equations and inequalities; polynomial, and other special functions as tools for modeling real-world situations. The curriculum applies geometric ideas learned in previous courses, including transformations and measurement formulas.

**Grades:** 11, 12

**Prerequisite:** Geometry/Advanced Geometry

**Year:** 1 credit

**Supplies:** scientific calculator, 3-ring notebook, notebook paper, pencils, ruler, dry erase marker.

**Advanced Algebra II (QA)**

This course emphasizes algebraic expressions, linear and quadratic equations; powers and roots, and functions based on these concepts. Students study logarithmic, trigonometric, polynomial, and other special functions as tools for modeling real-world situations. The curriculum applies geometric ideas learned in previous courses, including transformations and measurement formulas.

**Grades:** 10, 11, 12

**Prerequisite:** Advanced Geometry/Algebra II

**Year:** 1 credit

**Supplies:** graphing calculator, 3-ring notebook, notebook paper, pencils, ruler, dry erase marker

### **Functions/Statistics/and Trigonometry (QA)**

Students will study and explore statistics through the manipulation of functions. The graphing calculator is a necessary tool for this class. Concepts of trigonometry are studied, providing a sufficient background for calculus. This course is highly recommended for students considering a career in business/science/math related fields.

**Grades:** 11, 12

**Prerequisite:** Advanced Algebra II

**Year:** 1 credit

**Supplies:** graphing calculator, 3-ring notebook, notebook paper, pencils, ruler, 1 package of 3x5 notecards, 1 pkg. AAA batteries

### **Calculus Methods (QA)**

This is a full year course in which students can earn up to 6 concurrent credit hours through FHSU. Students can earn 3 credit hours for Pre-Calculus (Math 130) in the fall and 3 credit hours for Calculus Methods (Math 331) in the spring. Pre-Calculus topics include an in-depth study of the polynomial, rational, exponential and trigonometric functions, and their inverses. Review of absolute value equations, exponents, radicals and factoring are also taught. Topics explored in Calculus include functions, limits and continuity, rules of differentiation and integration of algebraic, exponential, and logarithmic functions. Applications of the derivative and integral will be taught.

**Optional:** FHSU tuition for concurrent credit (3 or 6 hrs.). See page 9 - 10

**Grades:** 11, 12

**Prerequisite:** Functions/Statistics/ Trigonometry

**Year:** 1 credit

**Supplies:** graphing calculator

### **FHSU - College Algebra**

College Algebra includes the study of the following topics: absolute value, inequalities, linear and quadratic equations, complex numbers, binomial formula, equations of lines, exponential and logarithmic functions, systems of equations and inequalities, functions and the theory of equations. Students planning to enroll in College Algebra should enroll in the first semester of Functions, Statistics, and Trigonometry to secure background in statistical functions.

**Required:** FHSU tuition for concurrent credit is required (3hrs.). Approximately \$207.24/cr. hr. (See page 10)

**Grade:** 12

**Prerequisite:** Required by the FHSU Department of Mathematics: Advanced Algebra II and one of the following: a score of at least 15 on the FHSU mathematics placement exam, to be given in the Spring of the previous school year and may be taken only one time. If a student does not pass the entrance exam he/she must have supporting ACT scores as follows; Math and Science total of at least 40 with neither score below 18, or ACT PROFILE prediction for 'C or better' in College Algebra of at least .50 to have permission to enroll.

**Semester:** 1/2 credit

**Supplies:** graphing calculator, purchase an access code from [www.mymathlab.com](http://www.mymathlab.com) (\$100)

### **FHSU - Elements of Statistics (not offered at this time)**

Elements of Statistics includes the study of the following topics: creating and analyzing data displays, computing and interpreting descriptive and inferential statistics including distributions, measures of central tendency and dispersion, sampling methods, hypothesis testing, correlation, and regression, and learning basic rules of probability including finding probabilities related to the normal curve.

**Required:** FHSU tuition for concurrent credit (3hrs.). See page 9 - 10

**Grade:** 12

**Prerequisite:** C or better in FHSU MATH 110 - College Algebra

**Semester:** 1/2 credit

**Supplies:** graphing calculator, graph paper, FHSU Elements of Statistics textbook, purchase an access code from [www.mymathlab.com](http://www.mymathlab.com) (\$100)

### **AP Calculus AB (QA)**

This challenging and demanding course emphasizes a multirepresentational approach to calculus with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. Topics covered include: analysis of graphs, limits of functions, asymptotic and unbounded behavior, continuity, derivatives, integrals and their applications, the Fundamental Theorem of Calculus, techniques and applications of antidifferentiation, parametric, polar, and vector functions, and polynomial approximations and series.

**Optional:** Approximately \$90 for AP exam

**Summer Requirements:** There will be assigned work to be completed over the summer, that will be due on the first day of class.

**Grades:** 12

**Prerequisite:** The College Board recommends that before studying calculus, all students should complete four years of secondary mathematics designed for college-bound students: courses in which they study algebra, geometry, trigonometric, inverse trigonometric, and piecewise defined. In particular, before studying calculus, students must be familiar with the properties of functions, the algebra of functions and the graphs of functions. Students must also understand the language of functions and know the values of the trigonometric functions of the numbers  $0, \pi/6, \pi/4, \pi/3, \pi/2$  and their multiples.

\* See college board website for further information at [www.apcentral.collegeboard.com](http://www.apcentral.collegeboard.com).

**Year:** 1 credit

**Supplies:** graphing calculator (see instructor for recommendation as to which one)

## Music

**Marching & Concert Band:** 9, 10, 11, 12

**Orchestra:** 9, 10, 11, 12

**Freshman Choir:** 9 (not offered at this time)

**Chorale:** 9, 10, 11, 12

**Concert Choir:** 9, 10, 11, 12

**Chamber Singers:** 10, 11, 12

### **Marching & Concert Band**

The HHS Marching and Concert Band participates in many activities of the school and community throughout the year. These include football halftime performances, marching festivals, parades, pep band, music festivals, and concerts. It is through these activities that students are able to refine performance skills. There is also opportunity to participate in solo, ensemble, and jazz ensemble performances. The student's grade is determined in part by participation in performances.

**Supplies:** Marching shoes and t-shirt (approx. \$37)

**Grades:** 9, 10, 11, 12

**Prerequisite:** Middle School Band

**Year:** 1 credit

**Note:** Students who successfully complete four years of Marching Band will have a .5 credit of the HHS Physical Education requirements waived.

## **Orchestra**

The HHS Orchestra provides music education and enjoyment through varied repertoire that includes the classics, alternative string styles, and chamber music. Many of the great composers and pieces are studied and performed. Students have opportunities to perform in festivals, concerts, as well as regional and state contests. An annual overnight road trip is also planned. In addition, there may be a small select performing group which plays alternative string music such as fiddle and rock.

**Supplies:** yearly tux rental (\$15); vest purchase (\$15); dress (approx. \$60)

**Grades:** 9, 10, 11, 12

**Prerequisite:** Middle School Orchestra

**Year:** 1 credit

## **Freshman Choir (not offered at this time)**

(Mixed Choir)

Students gain basic music knowledge, while becoming better musicians and singers. Students are expected to attain high performance levels utilizing a wide variety of music, including pop, jazz, and chamber music. Students will attend contests and concerts throughout the academic school year.

**Grades:** 9

**Prerequisite:** None

**Year:** 1 credit

## **Chorale**

(Mixed Choir)

Chorale is an upper-level preparatory choir. This course is for students who want to learn how to sing and perform at a higher level. Students also improve in the area of basic music skills and music reading. Students are expected to participate in community service performances.

**Grades:** 9, 10, 11, 12

**Prerequisite:** None

**Year:** 1 credit

## **Concert Choir**

(Mixed Choir)

Students must have successful past experiences in feeder choirs. Students should also possess a basic knowledge in music reading skills and a willingness to grow as a well-rounded musician. Various styles of music will be studied and performed, including a large scale choral work performed with the Chamber Singers and an orchestra. Students are expected to perform in HHS choral concerts, regional contests, and state level contests. An overnight trip may be planned for the fall.

**Grades:** 9, 10, 11, 12

**Prerequisite:** Audition or Director approval.

**Year:** 1 credit

## **Chamber Singers**

Ensemble members receive a well-rounded music education in basic music fundamentals, as well as proficient performance skills. Musical literature includes pop (with choreography), jazz, madrigal, and chamber music styles. Students selected for this group may participate and perform as members of Concert Choir and Chamber Singers; however, they should enroll in Chamber Singers on the enrollment form. Students also participate in a biannual trip.

**Grades:** 10, 11, 12 or Teacher Recommendation

**Prerequisite:** Audition

**Year:** 1 credit

**Supplies:** Boys - tux rental (\$50) Girls - cost of dress, jewelry and shoes (approx. \$300)

# Physical Education and Health

**Health/Wellness:** 9

**Advanced Health/Wellness:** 11, 12

**Fitness/Aerobics:** 9, 10, 11, 12

**Physical Education Activities:** 9, 10, 11, 12

**Strength and Conditioning:** 9, 10, 11, 12

Students who successfully complete four years of Marching Band will have a .5 credit of the HHS Physical Education requirements waived.

## Health/Wellness

This is a course designed to address the areas of health and wellness from the behavioral perspective. Class activities include demonstrations, guest speakers, and small group activities. Topics such as Stress Management, Substance Use and Abuse, Eating Disorders, Human Sexuality, Safe Dates (which is an adolescent dating abuse prevention curriculum) and Suicide are explored with the goal being healthy choices based on factual information.

**Grade:** 9

**Prerequisite:** None

**Semester:** 1/2 credit

**Supplies:** Single-subject spiral notebook and 2-pocket folder

## Advanced Health/Wellness

This is an advanced Health class. Students will demonstrate the ability to use goal setting and decision-making skills to reduce health risks. The class will include accessing valid information, products, and services to enhance health with the goal being choosing to live a healthier life.

**Grades:** 11, 12

**Prerequisite:** Health and Wellness

**Semester:** 1/2 credit

**Supplies:** 2 pocket folder

## Fitness/Aerobics

Promoting healthy fitness habits is the main focus of this class. Students will participate in a variety of activities and exercises to improve or maintain their current level of fitness. Practicing these activities throughout their lifetime is the ultimate goal. Evaluation is based on attitude, effort, participation, and improvement of fitness. Indian Fitness Assessment (pacer, push-ups, curl-ups and sit & reach) will be utilized to enhance the understanding of fitness measures.

**Grades:** 9, 10, 11, 12

**Prerequisite:** None

**Semester:** 1/2 credit

**Supplies:** Appropriate PE clothing, personal lock

## Physical Education Activities

The physically literate individual demonstrates the knowledge and skills to achieve and maintain a health-enhancing level of physical activity and fitness. This course is designed to promote the overall fitness of the student. Activities will focus on all aspects of fitness and will include a variety of team and individual sports. Evaluation is based on improvement of fitness, participation and knowledge of skills. Indian Fitness Assessment (pacer, push-ups, curl-ups and sit & reach) will be utilized to enhance the understanding of fitness measures.

**Grades:** 9, 10, 11, 12

**Prerequisite:** None

**Semester:** 1/2 credit

**Supplies:** Appropriate PE clothing, personal lock

### **Strength and Conditioning**

This course is designed to maximize speed, quickness, strength, and explosive power through weightlifting, strength training, and plyometrics. The students will demonstrate the knowledge and skills to achieve and maintain a health-enhancing level of physical activity and fitness. Evaluation is based on attitude, effort and participation. Students will also be measured on gains on the bench, power clean, squat, pro-agility run and 20 and 40 yard sprints. Students will be tested at the beginning of the semester, buffer week and at the end of the semester.

**Grades:** 9, 10, 11, 12

**Prerequisite:** None

**Semester:** 1/2 credit

**Supplies:** Appropriate PE clothing, personal lock

## Science

**Integrated Science: 9, 10**

**Integrated Science Honors: 9, 10**

**Biology: 10**

**Biology Honors: 9, 10**

**Chemistry I: 11, 12**

**Chemistry I Honors: 11, 12**

**Chemistry II Honors: 11, 12**

**Scientific Research & Design 9, 10, 11, 12**

**Adv. Field Biology: 11, 12**

**Environmental Science: 9, 10, 11, 12**

**Human Biology: 11, 12**

**Advanced Physics: 11, 12**

Students may also earn science credit for graduation by successfully completing:

(See Agri Science, Family Consumer Science and NCK-Tech sections for the following classes)

Animal Science  
Plant/Soil Science  
Horticulture  
Research In Agriculture Science  
Food Science  
Allied Health

### **Integrated Science**

This science course will draw upon the principles of several scientific specialties—physics, earth science, and astronomy—and organize the material around thematic units. Units will include Newtonian mechanics, energy transformations and conservation, the history and architecture of Earth and its atmosphere, motion beyond the earth, stellar evolution, engineering processes, and the development and organization of the universe. Students will use lab activities and computer models/simulation to enhance coursework. These topics align with the high school Kansas College and Career Ready Standards for science and the course should be considered a starting point for advanced study in physical sciences. Replacement costs for items broken by the student will be charged.

**Grades:** 9, 10

**Prerequisite:** None

**Year:** 1 credit

**Supplies:** loose-leaf paper, non-red writing utensil, calculator, earbuds or headphones

### **Integrated Science Honors**

This science course uses mathematics to seek the understanding of the principles of several scientific specialties—physics, earth science, and astronomy - and organize the material around thematic units. It is taught at an accelerated pace with increased student responsibility and a required original research project. Units will include Newtonian mechanics, energy transformations and conservation, the history and architecture of Earth and its atmosphere, motion beyond the earth, stellar evolution, engineering processes, and the development and organization of the universe. Students will use lab activities and computer models/simulation to enhance coursework. These topics align with the Kansas College and Career Ready Standards for Science and the course is recommended for 9th graders in advanced math and science classes. Replacement costs for items broken by the student will be charged.

**Grades:** 9, 10

**Prerequisite:** Algebra I as an 8th grader

**Year:** 1 credit

**Supplies:** calculator, loose-leaf paper, non-red writing utensil, earbuds or headphones

### **Biology (QA)**

Biology is a course that uses the inquiry process to facilitate student understanding and appreciation of the nature of science, diversity of life, dramatic beauty of the living world, and human influences on natural systems. Biology studies living organisms by asking questions, hypothesizing answers, performing experiments, and recording observations and data used to verify the hypothesis. More guided practice is provided to students in Biology than in Biology Honors. Replacement costs for items broken by the student will be charged.

**Grade:** 10

**Prerequisite:** Integrated Science

**Year:** 1 credit

**Supplies:** loose-leaf paper, black pen, composition book

### **Biology Honors (QA)**

Biology Honors is a college prep course that uses laboratory inquiry to investigate the biology of living things in more depth than Biology. Investigations are used to facilitate student understanding and appreciation of the nature of science, diversity of life, dramatic beauty of living world, and human influences on natural systems. Biology studies living organisms by asking questions, hypothesizing answers, performing experiments, and recording observations and data used to verify the hypothesis. Replacement costs for items broken by the student will be charged.

**Grades:** 10

**Prerequisite:** Integrated Science Honors, or Freshman Science Teacher Recommendation

**Year:** 1 credit

**Supplies:** loose-leaf paper, black pen, composition book

### **Chemistry I (QA)**

Chemistry I is a course, which includes traditional chemical concepts and laboratory skills. Students will develop problem-solving skills to be used throughout the course. Emphasis is placed on the following topics: scientific measurement, states of matter, matter and change, atomic structure, the periodic table, ionic and covalent bonding, chemical naming of pure substances, writing formulas, chemical reactions and stoichiometry. This course is designed for students who might be going to college but not necessarily majoring in math or science. Replacement costs for items broken by the student will be charged.

**Grades:** 11, 12

**Prerequisites:** Integrated Science, Algebra I or concurrent enrollment

**Year:** 1 credit

**Supplies:** black pen, loose-leaf paper, Non-graphing scientific calculator

### **Chemistry I Honors (QA)**

Chemistry I Honors is a rigorous introductory course in chemistry. Upon successful completion of this year long course the student will have demonstrated the minimum knowledge and skills to prepare for a first course in university chemistry. Chemistry I Honors emphasizes lab work in the study of the following topics: classification of matter, atomic structure (to include the modern concept of the atom), ionic and covalent compounds, chemical reactions, and stoichiometry (mathematical determination of reaction amounts). The student will apply algebra concepts in solving chemistry problems. The student is expected to be able to make substitutions and isolate unknown algebraic variables. An additional year of chemistry is suggested for students in which their college major requires a course in university chemistry. *College majors that require university chemistry as a cognate are: Biology, Geology, Physics, Pre-Pharmacy and Pre-Medicine.* Replacement costs for items broken by the student will be charged.

\* **Calculator Policy and Tests:** Use of graphing calculators will not be allowed during testing because of the amount of information pre-programmed in the memory.

**Grades:** 11, 12

**Prerequisite:** Integrated Science, Advanced Algebra I or concurrent enrollment.

**Year:** 1 credit

**Supplies:** black pen, loose-leaf paper

### **Chemistry II Honors (QA)**

Chemistry II Honors is a continuation of Honors Chemistry I. Possible topics include: acids and bases, thermochemistry, electrochemistry, chemical equilibrium, reaction rates, nuclear chemistry and organic chemistry. It should be considered by all students planning on taking university chemistry. University majors requiring chemistry are the pre-professional programs, chemistry, geology and more. Check the requirements of your university major. Replacement costs for items lost or broken by the student will be charged.

**Optional:** FHSU tuition for concurrent credit (3hrs.). See page 9 - 10

**Grades:** 11, 12

**Prerequisite:** Chemistry I Honors or Chemistry I with teacher recommendation.

**Year:** 1 credit

**Supplies:** 3-ring binder, black pen, loose-leaf paper, non-graphing scientific calculator

### **Scientific Research and Design**

In the Scientific Research and Design course, students conceive, design and complete a project using scientific inquiry and experimentation methodologies. Emphasis is placed on safety issues, research protocols, controlling and/or manipulating variables, data analysis, and communicating the project and its outcome(s). Each student is expected to participate in an instructor-sanctioned Science Fair plus one other event such as the following: Science Bowl, Science Olympiad, EcoMeet, Junior Academy of Science, or Junior Science and Humanities Symposium. The class is a science elective for 9-12 grade students. Replacement costs for items broken by student will be charged.

**Projects:** Cost of individual projects will be the responsibility of the student. The total cost of the project must be paid before construction can begin.

**Grades** 9, 10, 11, 12

**Prerequisite:** Instructor approval required for enrollment.

**Semester/Year:** 1/2 credit / 1 credit \*Students may enroll in fall semester or all year.



### **Advanced Field Biology(QA)**

Advanced Field Biology is a course intended to acquaint students with a practical approach to diversity, systematics, biology and identification of terrestrial animals and plants. Students will use theoretical and practical techniques to examine methods of collecting and identifying animals and plants, estimating population size, biodiversity, conducting animal surveys, and data analysis. Subtopics within field biology such as entomology, ornithology, dendrology, agrostology, mammalogy, herpetology, and ichthyology may be studied. Replacement costs for items lost or broken by the student will be charged.

**Grades:** 10, 11, 12

**Prerequisite:** Instructor approval required for enrollment.

**Semester/Year:** 1/2 credit / 1 credit

**Supplies:** black pen, loose-leaf paper

### **Environmental Science**

Environmental Science is the objective study of how the natural world works, how our environment affects us, and how we affect our environment. Environmental science describes how Earth's systems function and how we influence these systems, giving us a big-picture understanding of the world and our place within it. Studying environmental science helps us comprehend the problems we create, and it illuminates ways to fix those problems. This course will help you learn to make decisions based on data and evidence, a hallmark of citizens who are scientifically literate.

Replacement costs for items lost or broken by the student will be charged.

**Grades:** 9, 10, 11, 12

**Prerequisites:** None

**Semester/Year:** 1/2 credit

**Supplies:** 3-ring binder, notebook, paper, black pen

### **Human Biology (QA)**

#### **(FHSU Concurrent Credit Optional)**

Human Biology is a course intended to introduce the student to an overview of structure and of the human body. Since students learn best when the content is applied to themselves, biological principles will be studied. The relationships of humans to other living things will be emphasized. Replacement costs for items broken by the student will be charged. (Can be taken for 1/2 health credit.)

**Optional:** FHSU tuition for concurrent credit (3 or 4 hrs.). See page 9 - 10

**Grades:** 11, 12

**Prerequisite:** Biology or Biology Honors Recommended: Chemistry or Chemistry Honors I

**Semester/Year:** 1/2 credit / 1 credit \*Students may enroll in fall semester or all year. Must enroll in full year for concurrent credit.

**Supplies:** black ball point pen, loose-leaf paper

### **Advanced Physics (QA)**

#### **(FHSU Concurrent Credit Optional)**

Did you know that most science-related college majors require a course in university physics? Completing this class will prepare you for success in those college classes. Along the way, your analytical and problem-solving skills will be strengthened, attributes which are highly desired by employers and undergraduate programs and emphasized on standardized tests such as the ACT and SAT. Twenty-five percent of the Medical College Admissions Test consists of physics applications and concepts, so if you're considering a career in the medical field this is a class you should seriously consider taking. Although mathematics is the language of physics, math merely serves as a description of the physics you'll be studying, not as the cause of the phenomena; success in this course depends on your verbal skills as well as your mathematical prowess. Replacement costs for items lost or broken by the student will be charged.

**Optional:** FHSU tuition for concurrent credit (3hrs.). See page 9 - 10

**Grades:** 11, 12

**Prerequisite:** Chemistry I Honors and Advanced Algebra II

**Year:** 1 credit

**Supplies:** black ball point pen, loose-leaf paper, scientific calculator

# Social Science

**World Geography:** 9, 10, 11, 12

**World History I:** 9, 10, 11, 12 (not offered at this time)

**World History II:** 10

**American History:** 11

**AP U.S. History:** 11

**Current Issues :** 9, 10, 11, 12

**Business Economics :** 10, 11, 12

**Psychology:** 11, 12

**Sociology:** 11, 12

**American Government:** 12

**AP U.S. Government:** 12

**Helping Hands:** 11

## **World Geography (QA)**

The purpose of this course is to educate and encourage the development of globally competent citizens and leaders. The course is designed to provide students with the knowledge, skills and attitudes to be engaged, responsible and effective members of a globally interdependent society. Most importantly, students will be asked to think deeply about their world, including its future, current issues, its impact on their local area, and their personal responsibility as global citizens.

**Grades:** 9, 10, 11, 12

**Prerequisite:** None

**Semester:** 1/2 credit

## **World History I (QA) (not offered at this time)**

This course introduces students to early world civilizations from the Middle East, the birthplace of civilization, through the classical civilizations of Greece and Rome. Students compare and contrast a variety of early civilizations and their impact on world history.

**Grades:** 9, 10, 11, 12

**Prerequisite:** None

**Semester:** 1/2 credit

## **World History II (QA)**

This course covers the political, economic, and social history of the world. It begins with the Renaissance and Reformation. From there the events which occurred in Europe and other parts of the world are covered while examining their immediate impact and also how they affect our world today. This course begins in the 14th century A.D. and concludes with some of the major events in the 20th century.

**Grade:** 10

**Prerequisite:** None

**Semester:** 1/2 credit

## **American History (QA)**

### **(BCC Concurrent Credit Optional)**

Modern American History covers the period beginning with America's second century from 1877 with the settlement of the West, the industrialization of the United States, and the growth of the U.S. as a world power. Other eras covered will be the United States' involvement in two world wars and the rise of superpower confrontations in the Cold War highlight the 20th century history of the nation, as well as the role of the U.S. as a world leader examined in the context of Vietnam and into the 21st century.

**Optional:** BCC tuition for concurrent credit (3hrs.) - See page 9 - 10

**Grade:** 11

**Prerequisite:** None

**Year:** 1 credit

### **Advanced Placement United States History (QA)**

#### **(BCC Concurrent Credit Optional)**

Following the College Board's national curriculum, this course focuses on developing students' understanding of American history from approximately 1491 to the present. Students investigate the content of U.S. history for significant events, individuals, developments, and processes in nine historical periods while developing and using the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course provides seven themes (American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society) that students explore throughout the course in order to make connections among historical developments in different times and places. AP U.S. History is designed to be the equivalent of a two-semester introductory college or university U.S. history course. Students can take the AP United States History exam in the Spring or enroll for concurrent credit through Barton Community College.

**Optional:** Approximately \$90 for AP exam or BCC tuition for concurrent credit (3 or 6 hrs.) - See page 9 - 10

**Grade:** 11

**Prerequisite:** None

**Year:** 1 credit

### **Current Issues (QA)**

Though global in scope, Current Issues will examine newsworthy events, people, and issues as they relate to the United States and to their own world region. The course will utilize skills and knowledge in economics, geography, politics, history, and diversity.

**Grades:** 9, 10, 11, 12

**Prerequisite:** None

**Semester:** ½ credit

### **Business Economics**

This course integrates economic principles (such as free market economy, consumerism, and the role of American government within the economic system) with entrepreneurship/business concepts (such as marketing principles, business law, and risk).

**CTE Career Cluster Pathways:** Marketing and Business Finance

**Grades:** 10, 11, 12

**Prerequisite:** None

**Semester:** 1/2 credit (SS or Business Elective)

### **Psychology (QA)**

(FHSU Concurrent Credit Optional)

This course is designed as a scientific study of human behavior and mental processes. Such topics as learning, memory, motivation, emotion, personality, and emotional disturbances will be studied to gain insight into behavior and to obtain practical information for dealing with situations in everyday life.

**Optional:** FHSU tuition for concurrent credit (3 hrs.). See page 9 - 10

**Grades:** 11, 12

**Prerequisite:** None

**Semester:** 1/2 credit

**Sociology (QA)**

(NCK Concurrent Credit Optional)

Your life experiences have prepared you for the study of sociology. By observing and interacting with the environment around you and by reading about the environment, you have already gained some sense of how people typically behave and how societies are organized. Studying sociology is designed to raise awareness and understanding concerning societal issues and misconceptions. Sociology is a perspective from which we observe and question the world around us.

**Optional:** NCK tuition for concurrent credit (3 hrs.). See page 9 - 10

**Grades:** 11, 12

**Prerequisite:** None

**Semester:** 1/2 credit

**American Government (QA)**

The key principles of American Government are defined and scrutinized as students gain a working knowledge of the complexities of U.S. Government. The need for civic responsibility and participation are stressed.

**Grade:** 12

**Prerequisite:** None

**Semester:** 1/2 credit

**Advanced Placement United States Government and Politics**

**(BCC Concurrent Credit Optional)**

Following the College Board's national curriculum, this course introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. By examining politically significant concepts and themes, students learn to apply disciplinary reasoning, assess causes and consequences of political events, and interpret data to develop evidence-based arguments. Advanced Placement United States Government and Politics is more rigorous and intended to reflect a college POLS 101 course. Students in this course may sit for the College Board Exam in May, enroll to receive college credit through Barton Community College, and/or experience a more challenging course in United States Government and Politics.

**Fee:** Approximately \$90 for AP exam or BCC tuition for concurrent credit (3 hrs.). See page 9 - 10

**Grade:** 12

**Recommendation:** Students planning to take this course for AP credit should plan to take the course during the Spring semester.

**Semester:** 1/2 credit

**Helping Hands**

Helping Hands is a student maintained business providing experience in a commercial bakery setting. Car detailing along with daily business applications round out the student experience in Helping Hands. Students learn how to plan, market, create and provide services to the community. Experience in invoicing, accounts receivable, accounts payable, inventory, advertising and cost analysis of goods are part of this program. Working in a cooperative manner with co-workers, supervisors and customers are topics students are graded on. Students will be trained in food safety procedures and earn the Serv Safe Food Handler Certificate as part of this program. (Can be taken for computer credit.)

**Grade:** 11

**Prerequisite:** None

**Year:** 2 credit block (Concurrent enrollment in Helping Hands - Business and Helping Hands Social Studies)

# Technology Communications

**Audio Video Production Fundamentals:** 9, 10, 11, 12

**Video Production:** 10, 11, 12

**Digital Media Technology :** 10, 11, 12(not offered at this time)

**21st Century Journalism:** 9, 10, 11, 12

**Photo Imaging:** 9, 10, 11, 12

**Applied Graphic Design:** 10, 11, 12

**Digital Media Design and Production:** 10, 11, 12

## AV Communications

### Audio Video Production Fundamentals

This course provides a basic understanding of producing video for a variety of uses. Topics include analyzing the pre-production, production and post-production process, as well as exploring the equipment and techniques used to develop quality videos. Students will learn the basics, from the creation of projects to editing and recording, camera features, angles, lighting, mounts and sound, for delivering a finished product through digital editing. Students will also learn primary operations and functions of the radio and television industry. Emphasis will be placed on news, commercial and interview writing, as well as broadcasting. Requirements may include filming and broadcasting events outside of the school day and extra hours outside of the classroom. Some student projects may be used for USD 489 news production content.

**CTE Career Cluster Pathway:** AV Communications

**Grades:** 9, 10, 11, 12

**Prerequisite:** None

**Semester:** 1/2 credit

### Video Production

This course 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. This course continues to build upon the concepts taught in Audio Video Production Fundamentals. Students will work as a team to complete projects for 489 news productions. Advanced study in communications systems, multimedia production, video editing techniques and concepts will be taught. Students will also participate in public address announcing and/or sports/activity broadcasting. Projects will include filming and broadcasting events outside the school day; production hours outside of the classroom are required. \*Students must apply and interview for a position on the video production media team. (Can be taken for computer credit.)

**CTE Career Cluster Pathway:** AV Communications

**Grades:** 10, 11, 12

**Prerequisite:** Intro to Radio & TV Communications or Video Production Studies or Audio Visual Production Fundamentals, Completed Application, Interview and instructor permission.

**Semester:** 1/2 credit

### Digital Media Technology (not offered at this time)

Digital Media Technology teaches the technical skills needed to work with electronic media. Topics include exploring the use of digital media and video today and in the future, a study of the relationship of work flow to project planning and completion and the software, equipment and tools used in the industry. Requirements include filming and broadcasting events outside the school day and extra hours outside of the classroom. \*Students must apply and interview for a position on the video production media team.

**CTE Career Cluster Pathway:** AV Communications

**Grades:** 10, 11, 12

**Prerequisite:** Intro to Radio & TV Communications or Video Production Studies or Audio Visual Production Fundamentals, Completed Application, Interview and instructor permission.

**Semester:** 1/2 credit

### **21st Century Journalism**

21st Century Journalism promotes the development of skills needed today and in the future. Topics include an exploration of the role media and the communications industry has in society, including the study of social networking sites and their use for promotional, reference and instructional purposes. Additionally, students will develop technical skills related to journalistic writing and interviewing for print and online media, including digital media storytelling in which students will use audio slideshows and video. Additional units of study will focus on the ethical and legal issues related to the field. (Can be taken for computer credit)

**CTE Career Cluster Pathway:** AV Communications

**Grades:** 9, 10, 11, 12

**Prerequisites:** None

**Semester:** 1/2 credit

### **Photo Imaging**

Photo Imaging teaches the technical skills need to produce quality images for use in a variety of applications. Topics include use of equipment, software and techniques to take, edit and manipulate digital images. (Can be taken for computer credit)

**CTE Career Cluster Pathway:** AV Communications

**Grades:** 9, 10, 11, 12

**Prerequisite:** none

**Semester:** 1/2 credit

**Supplies:** Students must provide own digital camera.

### **Digital Media Design and Production (formerly Newspaper)**

Digital Media Design and Production will provide students with the opportunity to apply the fundamental techniques learned in 21st Century Journalism through the planning and production of a variety of communication projects. Topics include developing a production schedule, working as a team, and producing journalistic content for the newspaper's online edition, including news and feature stories as well as audio, video and other content in digital formats. (Can be taken for computer credit)

**CTE Career Cluster Pathway:** AV Communications

**Grades:** 10, 11, 12

**Prerequisite:** Application and/or instructor approval. It is suggested that students complete 21st Century Journalism and/or Photo Imaging to acquire needed technological skills.

**Year:** 1 credit

### **Applied Graphic Design (formerly Yearbook)**

Applied Graphic Design provides students the opportunity to use their language and technical skills to collect the necessary information to produce a major graphic design project. Students will create and refine design concepts, apply principles and elements of design, and use leadership and teamwork skills to complete a collaborative project. (Can be taken for computer credit)

**CTE Career Cluster Pathway:** AV Communications

**Grades:** 10, 11, 12

**Prerequisite:** Application and/or instructor approval. It is suggested that students complete 21st Century Journalism and/or Photo Imaging to acquire needed technological skills.

**Year:** 1 credit

# Technology Education

**Introduction to Metals:** 9, 10, 11, 12  
**Production Welding Processes I (A):** 9, 10, 11, 12  
**Production Welding Processes I (B)** 10, 11, 12  
**Production Welding Processes II (A):** 11, 12  
**Production Welding Processes II (B):** 11, 12  
**Industrial Communications:** 9, 10, 11, 12  
**Auto-CAD I:** 9, 10, 11, 12  
**Architectural Design I:** 10, 11, 12

**Architectural Design II:** 10, 11, 12  
**Auto-CAD II:** 10, 11, 12  
**Research & Design:** 11, 12  
**Woodwork Fundamentals:** 9, 10, 11, 12  
**Production and Wood Techniques I:** 10, 11, 12  
**Production and Wood Techniques II** 11, 12  
**Production and Wood Techniques II** 12

## Manufacturing/Production

### **Introduction to Metals**

This is an introductory level course designed to instruct students in the basic skills of Oxy-Fuel Welding and Cutting, Shielded Metal Arc Welding, Gas Metal Arc Welding, Gas Tungsten Arc Welding, Hand Forging and Sheet Metal Fabrication. Students will learn basic design and drawing principles in the Welding Industry. Students will identify safe practices and follow proper safety procedures.

**CTE Career Cluster Pathway:** Production

**Projects:** Cost of individual projects will be the responsibility of the student.

**Grades:** 9, 10, 11, 12

**Prerequisite :** Industrial Communications (recommended)

**Semester:** 1/2 credit

**Supplies:** Safety glasses, long sleeve cotton shirt, long pants, closed toe shoes, paint pen

### **Production Welding Processes I(A)**

This course is designed to provide students with knowledge and skills in basic welding theories and terminology. The students will perform Oxy-Fuel Welding, Shielded Metal Arc Welding, Gas Metal Arc Welding, and Gas Tungsten Arc Welding in the flat and horizontal positions. The students will be reintroduced to Sheet Metal Fabrication and will identify safe practices and follow proper safety procedures. Design and construction of an approved project will be required.

**CTE Career Cluster Pathway:** Production

**Projects:** Cost of individual projects will be the responsibility of the student.

**Grades:** 9, 10, 11, 12

**Prerequisite:** Introduction to Metals, Industrial Communications (recommended)

**Semester:** 1/2 credit

**Supplies:** Safety glasses, long sleeve cotton shirt, long pants, closed toe shoes, paint pen

### **Production Welding Processes I(B)**

This course is designed to provide students with knowledge and skills in basic welding theories and terminology. The students will perform Oxy-Fuel Welding, Shielded Metal Arc Welding, Gas Metal Arc Welding, and Gas Tungsten Arc Welding in the flat and horizontal positions. The students will be introduced to the Braze Welding process, nondestructive and destructive testing activities and identification of welding symbols. Students will identify safe practices and follow proper safety procedures. Design and construction of an approved project will be required.

**CTE Career Cluster Pathway:** Production

**Projects:** Cost of individual projects will be the responsibility of the student.

**Grades:** 10, 11, 12

**Prerequisite:** Production Welding Processes I (A), Industrial Communications (recommended)

**Semester:** 1/2 credit

**Supplies:** Safety glasses, long sleeve cotton shirt, long pants, closed toe shoes, paint pen

### **Production Welding Processes II (A)**

This course is designed to provide students with knowledge and skills needed for solving fabrication problems. The students will perform Shielded Metal Arc Welding, Gas Metal Arc Welding, Flux Core Arc Welding and Gas Tungsten Arc Welding in the vertical and overhead positions. The students will perform activities with the plasma cutter and will identify safe practices and follow proper safety procedures. Design and construction of an approved project will be required.

**CTE Career Cluster Pathway:** Production

**Projects:** Cost of individual projects will be the responsibility of the student.

**Grades:** 11, 12

**Prerequisite:** Production Welding Processes I(A) and (B), Industrial Communications

**Semester:** 1/2 credit

**Supplies:** Safety glasses, long sleeve cotton shirt, long pants, closed toe shoes, paint pen

### **Production Welding Processes II (B)**

This course is designed to provide students with knowledge to solve written problems in fabrication and to layout and weld a project from a print. The students will identify safe practices and follow proper safety procedures. Design and construction of an approved project will be required.

**CTE Career Cluster Pathway:** Production

**Projects:** Cost of individual projects will be the responsibility of the student.

**Grades:** 11, 12

**Prerequisite:** Production Welding Processes II (A), Industrial Communications

**Semester:** 1/2 credit

**Supplies:** Paint pen, safety glasses, long sleeve cotton shirt, long pants, closed toe shoes

## Design & Pre-Construction

### **Industrial Communications**

Industrial Communications is an intro level course that builds the basic skill and knowledge necessary to effectively communicate within industry. The need for individuals with the ability to convey technical information is in high demand. Mechanical engineering, architecture engineering, manufacturing, welding, sheet metal, metal machining, and the building and construction trades, require strong technical communication skills. These areas will be the focus throughout this course.

**CTE Career Cluster Pathway:** Architecture & Construction

**Projects:** Cost of individual projects will be the responsibility of the student.

**Grade:** 9, 10, 11, 12

**Prerequisite:** None

**Semester:** 1/2 credit

**Supplies:** One 3-ring notebook

### **Auto-CAD I**

Auto CAD I is designed to develop the basic knowledge and skill necessary to use Auto CAD 2006 software. Manual drafting no longer provides architectural and engineering professionals the speed, and versatility needed to communicate technical information. Auto CAD I builds entry level knowledge and skill of 2D graphics necessary to create, develop and test designs, while simulating industrial methods and concepts. (Can be taken for computer credit.)

**CTE Career Cluster Pathway:** Architecture & Construction

**Projects:** Cost of individual projects will be the responsibility of the student.

**Grades:** 9, 10, 11, 12

**Prerequisite:** Industrial Communications

**Semester:** 1/2 credit

**Supplies:** One 3-ring notebook.



## **Auto-CAD II**

Auto CAD II develops advanced 2D & 3D technical communication skills and knowledge in a project-based environment. Using AUTOCAD software students create complete set of 2D & 3D technical drawings of a project or product. Students provide all of the working drawings necessary in a portfolio format. Project related industries include; mechanical engineering, architecture engineering, manufacturing, welding, sheet metal, metal machining, and the building and construction trades. (Can be taken for computer credit.)

**CTE Career Cluster Pathway:** Architecture & Construction

**Projects:** Cost of individual projects will be the responsibility of the student.

**Grades:** 10, 11, 12

**Prerequisite:** Industrial Communications

**Semester:** 1/2 credit

**Supplies:** One 3-ring notebook

## **Architectural Design I**

The design and planning of residential and commercial buildings is an important part of a successful project. Architectural Planning explores design elements and concepts necessary to meet the commercial or residential needs of a client. Students design a residential structure of their choice and complete floor plans, interior and exterior elevations, electrical plans and perspective drawings to communicate their unique design using AutoCAD Software.

**CTE Career Cluster Pathway:** Architecture & Construction

**Projects:** Cost of individual projects will be the responsibility of the student.

**Grade:** 10, 11, 12

**Prerequisite:** Industrial Communications and Auto CAD I

**Semester:** 1/2 credit

**Supplies:** One 3-ring notebook

## **Architectural Design II**

Planning and design plays an immeasurable part in today's world, as every structure must first be visualized, designed and engineered. Architectural Design II studies residential planning and design as well as structural elements of roads, bridges and residential housing. Students design a residential structure of their choice and complete structural plans and plot plans using AutoCAD Software. Students also experience building scale model bridges.

**CTE Career Cluster Pathway:** Architecture & Construction

**Projects:** Cost of individual projects will be the responsibility of the student.

**Grades:** 10, 11, 12

**Prerequisite:** Industrial Communications, Auto CAD I and Architectural Design I

**Semester:** 1/2 credit

**Supplies:** One 3-ring notebook

## Research & Design

Research & Design provides opportunities to explore technical areas of interest, while demonstrating the knowledge and skill gained through a final project. Commercial and residential architectural engineering, mechanical and structural engineering, landscaping design, advanced technical communication are examples of areas that may be researched. Projects may include: scale home and bridge models, landscaping, mapping, technical plans and electric vehicles. Students design and print T-shirts as well.

**Note:** Students may enroll multiple times.

**CTE Career Cluster Pathway:** Architecture & Construction

**Projects:** Cost of individual projects will be the responsibility of the student.

**Grades:** 11, 12

**Prerequisite:** **Engineering Track** (Required: Industrial Communications, Auto CAD I and Auto CAD II. Strongly Suggested: Intro. to Metals and/or Woodwork Fund.); **Architectural Track** (Industrial Communications, Auto CAD I, Auto CAD II, Architectural Design I & II)

**Year:** 1 credit

**Supplies:** One 3-ring notebook

## Construction

### Woodwork Fundamentals

As a basic course in woodworking, students will be afforded the opportunity to identify woodworking machines and their accessories and practice safe use and care. The student will also have the opportunity to study and utilize the materials and processes common to the woodworking area. Students learn to distinguish between various types of furniture construction and their appropriate applications, and how to use various woodworking machines and power tools for cutting and shaping wood. This course covers different methods of joining pieces of wood, how to use mechanical fasteners, and how to attach hardware. Safety will be the main focus for the first portion of this course. The rest of the semester will be designed for the student to manufacture a project that has already been pre-approved by the instructor.

**CTE Career Cluster Pathway:** Architecture & Construction

**Projects:** Cost of individual projects will be the responsibility of the student. The total cost of the project must be paid before construction can begin.

**Grades:** 9, 10, 11, 12

**Prerequisite:** Industrial Communications (recommended)

**Semester:** 1/2 credit

**Supplies:** 3 ring folder, tape measure, approved safety glasses, pencil and sharpie permanent marker.

### Production and Woodworking Techniques I

This is a one year course of study designed to allow the student to further enhance woodworking skills. Students will experience in greater depth the skills and practices needed to prepare for a career in various fields in the woodworking industry. Students will study advanced applications in joinery, finishing, apply spray finishes, special operations, and design. Students will design and construct a project of their choosing and prepare a bill of materials.

**CTE Career Cluster Pathway:** Architecture & Construction

**Projects:** Cost of individual projects will be the responsibility of the student. (75% of the total cost of the project must be paid before construction can begin. The remainder of the cost must be paid before our fall recess.)

**Grades:** 10, 11, 12

**Prerequisite:** Woodworking Fundamentals, Industrial Communications (recommended)

**Semester:** 1 credit

**Supplies:** 3 ring folder, approved safety glasses, pencil and sharpie permanent marker.

### **Production and Woodworking Techniques II**

This is a one year course of study designed to cover specific aspects of cabinetmaking and furniture design. Skill development will include equipment and materials, methods and techniques, custom cabinetmaking, and material management. This course can be taken in conjunction with Production and Woodworking Techniques I to allow the student to build a more detailed and complex project.

**CTE Career Cluster Pathway:** Architecture & Construction

**Projects:** Cost of individual projects will be the responsibility of the student. (75% of the total cost of the project must be paid before construction can begin. The remainder of the cost must be paid before our fall recess.)

**Grades:** 11, 12

**Prerequisite:** Industrial Communications, Woodworking Fundamentals, Production and Woodworking Techniques I

**Semester:** 1 credit

**Supplies:** tape measure, approved safety glasses, pencil and sharpie permanent marker.

### **Production Woodworking III**

This class is a continuation of the Production Woodworking II. It is a progressive application level course furthering the study of CNC equipment, composite panel products, and veneering, and the processes involved with fabricating goods with these technologies. Students will be expected to complete individual advanced projects and will participate in field trips to FHSU and corresponding industry.

**CTE Career Cluster Pathway:** Architecture & Construction

**Projects:** Cost of individual projects will be the responsibility of the student. (75% of the total cost of the project must be paid before construction can begin. The remainder of the cost must be paid before our fall recess.)

**Grades:** 12

**Prerequisite:** Industrial Communications, Woodworking Fundamentals, Production and Woodworking Techniques I & II

**Semester:** 1 credit

**Supplies:** tape measure, approved safety glasses, pencil and sharpie permanent marker.

# North Central Kansas Technical College

## Automotive Technology

High school students attend NKC Tech for half of their school day and receive college credit for coursework. Automotive Technology serves as a lead-in program for post-secondary programs. Hands-on application in the shop and classroom theory of the eight areas of ASE certification are the foundation for the first year of Automotive Technology. Secondary students in the Automotive Technology program begin course work their junior year in high school and return for a second year as a senior. The combination of the two years of study in Automotive Technology allows for completion of the first year requirements toward the post-secondary Automotive Technology AAS Degree Program. Upon completion, students may enter the second year course work immediately after school.

### **Auto Mechanics**

This course is designed to allow students to gain exposure to and knowledge of basic automotive mechanics and build from the base to develop high technology skills enabling them to troubleshoot and service modern vehicles of today.

**Fee:** Approximately \$400 (This includes tool rental, books, shirts and lab fee.) Fee is set by NCKTC and will be finalized in August.

**Grade:** 11

**Prerequisite:** Completed application with NCK Tech

**Year:** 4 credits (HHS) 0 credits (NCK Tech)

### **Advanced Auto Mechanics**

Upon completion of this course students will have received hands-on instruction in Brake Systems, Basic Electrical, Suspension and Alignment, Fuel Systems, Engine Theory, Automatic and Manual Drive Transmissions, and Air Conditioning Systems. (Can be taken for 1/2 math credit and 1/2 computer credit from HHS.)

**Fee:** Approximately \$400 (This includes tool rental, books, shirts and lab fee.) Fee is set by NCKTC and will be finalized in August.

**Grade:** 12

**Prerequisite:** Auto Mechanics, Completed application with NCK Tech

**Year:** 4 credits (HHS) 26 credits (NCK Tech - upon completion of both Auto Mechanics and Adv. Auto Mechanics).

## Electrical Technology

High school students attend NKC Tech for half of their school day and receive college credit for coursework. Electrical Technology serves as a lead-in program for postsecondary programs. The combination of the two years of study in Electrical Technology allows for completion for the first year requirements toward the post-secondary Electrical Technology AAS Degree Program.

Students completing both years of the Electrical Technology program and the general education requirements would qualify for the Certificate Program.

### **Electrical Technology**

This course is designed to allow students to gain exposure to and knowledge of basic electrical circuits, electrical safety, and wiring methods.

**Fee:** Approximately \$1200 (This includes tool rental, books, shirts and lab fee.) Fee is set by NCK Tech and will be finalized in August.

**Grade:** 11

**Prerequisite:** Completed application with NCK Tech

**Year:** 4 credits (HHS) 13 credits (NCK Tech)

### **Adv. Electrical Technology**

This course is designed to provide training for electrical blueprint reading, national electrical code, analog circuits, and electrical motor controls.

**Fee:** Approximately \$1200 (This includes tool rental, books, shirts and lab fee.) Fee is set by NCK Tech and will be finalized in August.

**Grade:** 12

**Prerequisite:** Electrical Technology and Completed application with NCK Tech

**Year:** 4 credits (HHS) 13 credits (NCK Tech)

## Pharmacy Technician

High school students attend NCK Tech for half of their school day and receive college credit for coursework. The high school pharmacy technician program will introduce students to career options such as a pharmacy technician and other health field careers. The program will give the students a sound foundation in health sciences. After graduation students can choose to complete an internship and seminar class along with intermediate algebra to complete the requirements of the first year of the program which is accredited by the American Society of Health System Pharmacists. Courses students will receive NCK credit in are Orientation to Pharmacy Practice, Pharmacy Calculations, Pharmacy Operations, Pharmacology for Pharmacy Technicians I, Medical Terminology, English Composition and Sociology.

**Fee:** Approximately \$400 (This includes books and lab fees)

**Grade:** 12

**Prerequisite:** Completed application with NCK Tech

**Year:** 4 credits (HHS), 21 credits (NCK)

**Block:** Afternoon only

## Allied Health

High school students attend NKC for half of their school day and receive college credit for coursework. Allied Health serves as a lead-in program for post-secondary programs. Priority enrollment is given to seniors. However, juniors who meet qualifications may be accepted into the program. Prospective students should have some aptitude for a health-related field.

- Training in Health Occupations with emphasis on pre-nursing
- CNA and CMA Certification
- First Aid and CPR certification
- Classroom theory with hands-on application in the clinical setting

### Allied Health

This program provides an overview of different healthcare careers, medical terminology used in healthcare, disease transmission, infection control, communication, and safety in the healthcare setting. Student will be made aware of the current and projected needs of the careers discussed in the Allied Health program. Further, students will acquire at a minimum the skills, knowledge and attitude necessary to enter/or advance in the world of work. Coursework within the program enables students to test for certification as a Nurse Aid (CNA), Medication Aid (CMA), and in Healthcare CPR.

(Can be taken for 1 credit of science and 1/2 credit of health.)

**Fee:** Approximately \$400 (This includes books, lab fees, and gait belt.) Fee is set by NCK Tech and will be finalized in August.

**Grade:** 12

**Prerequisite:** Completed application with NCK Tech; MUST be 18 years of age before HHS graduation.

**Year:** 4 credits (HHS), 6 College transfer credits (NCKTC), 14 non-transfer credits (NCKTC)

# Supplemental Support

## **Special Education**

Hays High School offers a continuum of services for those students requiring special education support. Qualified students are placed in the least restrictive environment as determined by a team decision. Students earn credits toward graduation through academic and vocational offerings. Individual case management will focus on opportunities for academic and intra- and inter-personal skills for each student.

Grades: 9, 10, 11, 12

Prerequisite: IEP teams determine enrollment in these classes.

## **Collaborative/Inclusive classes**

Collaborative/Inclusive classes contain both regular and special education students. These classes meet the rigorous demands that are required to meet college admission standards and are taught by a general education teacher specially trained in that content area and a special education teacher or a para educator. Collaborative/Inclusive classes require students to have the necessary skills and motivation to complete and turn in assignments without assistance of an extra learning resource class. Homework will be required. Accommodations in these classes might include but are not limited to: tests and materials read aloud, extra help with organization, notes in modified form, extra one-on-one help, etc. IEP teams determine enrollment in these classes.

## **Resource classes**

Resource classes are taught by a special education teacher and allow for more individual help based on students' instructional levels. *Students progress through a modified general education curriculum aligned with state standards. Resource classes do not meet (QA)Regents curriculum standards, or NCAA eligibility requirements.* IEP teams determine enrollment in these classes.

## **Interrelated Classroom**

Classroom programs for students with significant multiple disabilities are provided in the areas of math, English, science and social studies, based on the Kansas standards. A strong emphasis in developing independent daily living skills through school and community-based activities is the main focus. IEP teams determine enrollment in these classes.

**Work Study** placements for students who are juniors or seniors include opportunities in work-related areas and are available based on individual student needs. Work Study is an elective class and is a non-paid community based placement.

- Work Study/Cooperative Work Experience** (Special Education-focus is work skills related and not necessarily job specific.)

- Work Study /Job Coach** (Special Education-focus is work skills related for students who need job coaching.)

IEP teams determine enrollment in these classes.

**The Gifted program** is designed to meet educational needs of individual students as identified by their IEP team. Services for high school students are generally on a consultative basis. These services may include a wide variety of alternative learning opportunities within the regular curriculum and outside the traditional classroom. IEP teams determine enrollment in these classes.

# English as a Second Language

Students whose first language is not English or who have a language other than English spoken in the home may qualify for this program. Students will participate in English language study to further develop their skills in speaking, listening, reading and writing. They will have additional academic language tutoring in other content areas as needed. Classroom activities will also enhance students' knowledge of culture.

**Grades:** 9, 10, 11, 12

**Prerequisite:** Home Language Survey and Entrance Exam

**Semester/Year:** 1/2 - 1 credit

## Career Exploration

### Work Based Career Exploration Experiences

**Seniors enrolling in any or all work-related experiences will be expected to comply with regulations as prescribed by the individual work site for their employees to include dress code, attendance, orientations, etc. Students must maintain a 95% attendance rate to stay in the class. If students meet the criteria but are not sure if they want to take this class, they should still fill out the application.**

#### Career Exploration

A (non-paid) formal, long-term supportive relationship between a learner and an adult whose knowledge and/or employment will assist the learner in conducting/participating in activities within the career interest. Student must also be enrolled in a class/program at HHS related to the area of career exploration. Requires application. Project development may be included. May not have career exploration supervised by a relative. Is not intended to supplement a job; must be career oriented.

**Pass/Fail Grade**

**Grade:** 12

**Prerequisite:** Completed application required, Attendance rate must be at or above 95% previous year in school

**Semester/Year:** 1 credit

#### Service Learning

A (non-paid) method of instruction which helps learners understand the needs of their local community while gaining valuable skills which benefit them as citizens and employees.

- Leadership Project/SL (Student Council Officers)
- Teacher Assistant/SL
- Guidance Assistant/SL
- Office Assistant/SL
- Media Center Assistant/SL

**Pass/Fail Grade**

**Grade:** 12

**Prerequisite:** Completed application required, Attendance rate must be at or above 95% previous year in school

**Semester/Year:** 1/2 - 1 credit

# THE LEARNING CENTER of Ellis County

Visit the Learning Center at [www.hayslc.com](http://www.hayslc.com)

**The Learning Center** is an alternative and virtual school for those students who are no longer benefiting from the traditional school setting as determined by the Hays High School administration. The Learning Center provides a learning opportunity for not only students attending Hays High School, but also adults in the community and students from anywhere in Kansas who are pursuing a high school diploma program. It provides a self-paced, self-directed, technology-driven program that requires a time commitment of approximately 60 hours per semester credit. Credit for a course is awarded only when all work is completed at a minimum of 80% accuracy.

**Edgenuity** The Learning Center of Ellis County offers a comprehensive online curriculum, **Edgenuity**. **Edgenuity** is a research-based program that allows middle school, high school and adult learners to learn any time, any place, at any pace. **Edgenuity** is aligned to USD 489 and College & Career Ready Standards for all core classes. **Edgenuity** allows The Learning Center to offer a broad scope of courses to meet the needs of a variety of learners through different modalities. All core subjects are available, plus a number of electives.

**Graduation Requirements** Students from Hays High School who enroll at The Learning Center must complete the credit requirements of Hays High School. Students receive a Hays High School diploma upon completion of all coursework. In addition students may make up coursework that has not been successfully completed. Students interested in taking courses at The Learning Center need to meet with the HHS administration for approval to attend.

**NOTE: Edgenuity courses offered through The Learning Center do not count toward the 16 NCAA core courses.**

## COURSE OFFERINGS

### ENGLISH

English 9A/9B  
English 10A/10B  
English 11A/11B  
English 12A/12B  
Intro to Communication & Speech A/B  
Classic Novels A  
Literacy & Comprehension I  
Literacy & Comprehension II  
Literary History  
Literature A  
Expository Reading & Writing A/B

### SCIENCE

Life Science A/B  
Earth Science A/B  
Physical Science A/B  
Biology A/B  
Chemistry A/B  
Environmental Science A/B  
Physics A/B  
Health Science A

### MATHEMATICS

Basic Math A/B  
General Math A/B  
Pre-Algebra A/B  
Algebra 1 A/B  
Geometry A/B  
Applied Algebra II A/B  
Pre-Calculus A/B  
Financial Math A/B  
Trigonometry A/B

### SOCIAL STUDIES

Geography A/B  
World History A/B  
American History A/B  
American Government A  
Economics A  
Psychology A  
Sociology A  
Civics A

### HEALTH/PE

Health A/B  
Physical Education A/B

### ELECTIVES

Art History A  
Digital Arts A/B  
Introduction to Art A  
3D Art IA Modeling  
3D Art IIA Animation  
Computer Applications A  
Computer Science A/B  
Intro to Information Technology A/B  
Engineering Design A/B  
Audio Engineering A  
Game Design A  
Intro to Entrepreneurship A  
Intro to Business A/B  
Consumer Math Skills A/B  
Developing Child A  
Intro to Health Science A/B  
Health Science Concepts A/B  
Medical Terminology A  
Nursing Assistant A/B  
Pharmacy Tech A/B  
Spanish I A/B  
Spanish II A/B  
Career Skills A  
Career Explorations A  
Work Experience I A/B  
(Prerequisite: Career Skills)  
Work Experience II A/B  
Teacher Assistant A  
Strategies for Academic Success A  
Independent Study:  
Reading and Writing (ESL) A/B  
Literature thru Film A/B

Learning Center Hours: 8 a.m. to 4 p.m.  
Monday through Friday

The Learning Center calendar will follow the Hays High School calendar for early release days, in-service days and for days when we will be closed for breaks.



# Summer Opportunities

## Driver's Education

Drivers Education is designed to educate students in the basics of driving. The course is about two weeks and includes three classroom sessions and five driving days. The course is competency-based whereby students must pass the written exams at 80% or higher. Students must also pass driving competencies. Students will work on aspects of driving that include, but are not limited to, basic maneuvers of starting, stopping, turning, negotiating intersections, parking, as well as driving on one-way streets, two-lane highways, and interstate. Student attendance is expected to be 100%.

**Fee:** Summer 2017: To be determined by the USD489 Board of Education. (The fee for Summer 2016 was \$250.00)

**Prerequisite:** Must be 14 years of age prior to the first day of class.

## Remedial Opportunities

### Summer School

During the summer, Hays High School and The Learning Center offer opportunities for credit retrieval. The classes offered each year and their cost are decided by the Board of Education each Spring. **If a student is in need of credit retrieval he/she should contact his/her counselor in early May for more information.**

Course	Location
English.....	The Learning Center
Math.....	The Learning Center

## Sports - High School

Camp/Opportunities	Coach
Baseball Camp.....	Frank Leo
Boys Basketball Camp.....	Rick Keltner
Cheerleading Camp.....	TBD
Football Camp.....	Randall Rath
Girls Basketball Camp .....	Kirk Maska
Softball Camp.....	Erin Wagner
Soccer Camp .....	Silas Hibbs
Summer Weightlifting (optional for PE credit)....	Randall Rath
Volleyball Camp.....	Christin Nunnery

## Academic

### Summer/Opportunities                      Instructor

ACT Prep.....	Martin Straub
State FFA Convention.....	Curt Vajnar
KSHSAA Student Council Summer Workshop.....	Alicia Brungardt
Summer Weightlifting (optional for PE credit).....	Randall Rath
Summer Broadcasting .....	Dan Balman

## Music

### Private Summer Music Lessons

Band (private lessons).....	Matt Rome
Choir (private lessons).....	Johnny Matlock
Orchestra (private lessons).....	Joan Crull

### Summer Camp

Marching Band Jumpstart Week.....	Matt Rome
Orchestra Freshman Jumpstart Day.....	Joan Crull
Chamber Singers Jumpstart Week.....	Johnny Matlock

## Sports - Youth & Middle School

Camp/Opportunities	Coach
Hays Basketball School (gr. 3 - 8).....	Rick Keltner
Middle School Basketball Camp.....	Kirk Maska
Little Kids Basketball Camp.....	Kirk Maska
Middle School Volleyball Camp.....	Christin Nunnery