

JUNCTION CITY HIGH SCHOOL



2018-2019

COURSE DESCRIPTION CATALOG

- ✦ FRESHMAN SUCCESS ACADEMY
- ✦ BUSINESS INFORMATION TECHNOLOGY ACADEMY
- ✦ FINE ARTS HUMAN SERVICES ACADEMY
- ✦ SCIENCE ENGINEERING TECHNOLOGY ACADEMY

Career Academy Campus
900 North Eisenhower Drive
Junction City Kansas 66441
PH: 785-717-4200
FX: 785-717-4311

Freshman Success Academy
300 West Ninth Street
Junction City Kansas 66441
PH: 785-717-4312
FX: 785-717-4102

“Junction City High School prepares students to become successful workers and citizens by developing Relationships and incorporating Relevance and Rigor into their education.”

USD 475

Board of Education

Dr. Ferrell Miller, President
Tom Brungardt, Vice President
LaDonna Junghans
Dr. Anwar Khoury

Sarah Talley
David Walker
Rina Neal
David Wild, Executive Director
CSM Andrew T. Bristow II, Ft. Riley Representative

Superintendent of Schools

Dr. Corbin Witt

Associate Superintendent

Dr. Beth Hudson

Director of Teaching and Learning

Pam Irwin

Director of Instructional Innovations & Technology

Greg Lumb

Junction City High School Principal

Melissa Sharp—717-4220

Administrators

Jeff Tanner—Freshman Success Academy- 717-4224
Kate Harmison—Freshman Success Academy Assistant Principal/Activities Director-717-4284
Matt Westerhaus—Athletics Director- 717-4226
Kale Katt—Business Information Technology Academy- 717-4222
Doug Sallee—Fine Arts & Human Services Academy- 717-4225
Steve Green—Science Engineering Technology Academy -717-4223
Nate Downs—Special Education Director- 717-4254

Academy Counselors

Sarah Reynolds—Freshman Success Academy- 717-4236
Emily Russell—Business Information Technology Academy- 717-4232
Kris Tanner—Fine Arts & Human Services Academy- 717-4235
Becky Hickert—Science Engineering Technology Academy- 717-4234

Career and College Specialists

Coordinator of Post-Secondary Programs-717-4238
Margie Pinaire— Scholarship/Financial Aid Coordinator-717-4063

Geary County USD 475 does not discriminate on the basis of race, color, natural origin, sex or age, disability, or age in its programs and/or activities and provides equal access to the Boy Scouts and other designated youth groups.

For questions or complaints based on race, color, natural origin, sex or age, please contact Director of Human Resources at:
123 N Eisenhower Dr, Junction City, Kansas 66441. Telephone: 785-717-4000.

For questions or complaints based on disabilities, please contact Student Services at:
123 N Eisenhower Dr, Junction City, Kansas 66441. Telephone: 785-717-4000

TABLE OF CONTENTS

GENERAL INFORMATION

GRADUATION REQUIREMENTS	01
HONOR ROLL and CRITERIA FOR WEIGHTED GRADES	03
ACTIVITY PARTICIPATION/SERVICE LEARNING	04
JUNIOR/SENIOR ENROLLMENT OPTIONS	05
ONLINE, INDEPENDENT STUDY & OFF CAMPUS OPPORTUNITIES	06

COURSES

ADVANCEMENT VIA INDIVIDUAL DETERMINATION.....	07
AGRICULTURE AND NATURAL RESOURCES.....	09
AJROTC	10
AUDIO/VISUAL MEDIA.....	11
BUSINESS	13
COMMUNICATIONS.....	16
FAMILY AND CONSUMER SCIENCE	18
FINE ARTS	20
HEALTH SCIENCES.....	26
LANGUAGE ARTS	28
LAW, PUBLIC SAFETY AND SECURITY.....	32
MATHEMATICS	33
NATURAL SCIENCE.....	36
PHYSICAL EDUCATION	38
SOCIAL SCIENCES.....	39
STUDENT ASSISTANTS	41
TECHNOLOGY EDUCATION.....	42
WORLD LANGUAGES	46
SPECIAL EDUCATION.....	48

COURSE OFFERINGS IMAGE KEY:

	Course Fee
	Meets Qualified Admissions
	Meets NCAA Requirements
	Transportation
	Weighted

GRADUATION REQUIREMENTS

USD 475 High School Graduation Requirements	Board of Regents Qualified Admissions Requirements
4 Credits of English English I, II, III, IV or PreAP/AP equivalents	4 Units of English
3 Credits of Science Physical Science, Biology, Elective	3 Units of Natural Science – Must include Chemistry or Physics
3 Credits of Mathematics Algebra I, Geometry, Algebra II or advanced equivalents	3 Units of Math including Algebra I, Geometry, Algebra II, or any course with Algebra II as a prerequisite AND an ACT score of 22 in Math; OR 4 approved units , one taken in the graduating year designed to prepare students for college
3 Credits of Social Studies World History, US History, US Government or PreAP/AP equivalents	3 Units of Social Studies
1 Credit of Fine Arts, .5 Credit of PE/.5 Credit of Health .5 Credit of Communications	3 Additional Units of electives
8.5 Credits of electives	AND
	Achieve ACT score of 21 or higher; OR SAT score of 980 or higher; OR graduate in the top third of their class
	AND
24 Credits	Achieve a 2.0 GPA or higher on any college credit taken in high school.
Kansas Scholars Curriculum	University of Kansas
English and Social Studies – Same as Qualified Admissions	Complete the Kansas Qualified Admissions Curriculum
Science – Biology, Chemistry and Physics	3.0 overall GPA and a 24+ ACT (1090 SAT) or
Math – 4 approved units starting with Algebra I (Algebra I can be taken in 8 th grade.)	3.25 overall and a 21+ ACT (980 SAT)
Foreign Language – 2 units of one language. Sign Lang. approved	

Technical and Community College Admission Requirements
<p>Scores from a variety of tests can be used for admission.</p> <p>Each college has established their own acceptable scores.</p> <p>Test: COMPASS, Asset, ACT, Accuplacer, and CPASS</p> <p>Some schools may have other testing requirements or curriculum for specific programs.</p>

NCAA / NAIA / NJCAA Eligibility Requirements
<p>There are different requirements for core courses, test scores, and GPA depending upon association and division. Talk with your counselor about your options and eligibility.</p>

ADDITIONAL INFORMATION ABOUT GRADUATION REQUIREMENTS

COURSES FULFILLING THE FINE ARTS REQUIREMENT

Any courses offered in the Audio/Visual Media Department (Pg. 24)

Any courses offered in the Fine Arts Department (Pg. 36)

Additional courses:

Graphic Novels

Creative Writing

Fiction to Film

War Literature

Mythology

Debate

Philosophy of Art and Literature

Forensics

Interior Design

Web Design

HONOR ROLL

To be eligible for the Honor Roll, a student must be enrolled in at least four classes. A student who receives one or more "F's" will not qualify for the Honor Roll in spite of his/her grade point average.

Principal's Honor Roll	4.0 or higher
Blue Jay Honor Roll	3.50-3.99
Honor Roll	3.00-3.49

CRITERIA FOR WEIGHTED GRADES

At Junction City High School, classes designated as "weighted" receive an extra grade point for determining a student's grade point average. The grade point system assigns grades in the following manner:

Regular	Weighted
A-4	A-5
B-3	B-4
C-2	C-3
D-1	D-1
F-0	F-0

The following criteria are used to determine whether a class qualifies for weighted status. Students (and parents) should also evaluate these criteria as they consider enrolling in weighted classes.

1. It is recommended that students enrolling in weighted classes have a B and/or teacher approval from prerequisite classes.
2. Weighted classes provide significantly more content coverage than non-weighted classes.
3. Weighted classes teach to upper level cognitive domains (application to evaluation levels).
4. As a general rule, weighted classes will demand at least five hours of homework per week.
5. Advanced placement classes automatically qualify as weighted classes.
6. For any other classes to be weighted, it must have two full-year classes as prerequisites or a one-year course prerequisite and one other prerequisite that fulfills the unique character of the class/department. Examples include audition, portfolios, projects, etc. The following classes are weighted.

Weighted Classes:

Language Arts:	Pre-AP/Honors English I, II AP Language/Composition AP Literature/Composition	Natural Science:	Pre-AP Biology AP Biology AP Chemistry Anatomy and Physiology I, II AP Physics Emergency Medical Technician (EMT)
Social Science:	Pre-AP World History AP American History AP Government	Communications:	Advanced Debate
Foreign Language:	French III, IV German III, IV Spanish III, IV	Technology Ed:	Mechanical Drafting II Architectural Drafting II Automotive Engines III
Mathematics:	Advanced Algebra II/ III Trigonometry College Trigonometry Pre-Calculus w/ Trigonometry Calculus AP Calculus AP Statistics	Business:	College Accounting: Acct. II Computerized Accounting: Acct III
		Fine Arts & A/V:	Video Production Advanced Graphic Design

***Weighted courses are required for NHS membership: 1 in 9th Grade, 2 in 10th-12th Grades**

ACTIVITY PARTICIPATION/SERVICE LEARNING

Activity Participation

All Junction City High School students must fulfill an Activity Participation requirement. This requirement can be fulfilled by the completion of one full year of participation in a high school club or organization or by participation in one full season of a high school sport.

Following is the list of sports, clubs, and organizations that can be used to fulfill the Activity Participation requirement.

9th Grade Committee	FBLA	Scholars' Bowl
10th Grade Committee	FCCLA	Skills USA
11th Grade Committee	Football	Soccer (Boys)
12th Grade Committee	Forensics	Soccer (Girls)
Anime Club	German Club	Softball
Band	Golf	Student Council (Stu-Co)
Baseball	GSA (Gay-Straight Alliance)	Swimming (Boys)
Basketball (Boys)	JC Players (Drama Club)	Swimming (Girls)
Basketball (Girls)	JROTC	Tennis (Boys)
Bowling	KAY	Tennis (Girls)
Cheerleading	Key Club	Track (Boys/Girls)
Choirs	Komomantyns	Tri-M Music Honor Society
Club 121	MACESA	Volleyball
Cross Country (Boys/Girls)	NHS (National Honor Society)	Wrestling
Dance	Orchestra	
Debate	SADD	

SERVICE LEARNING

In addition to the regular academic requirements necessary for high school graduation, USD 475 has adopted a Service-Learning requirement which must be completed in order to receive a certified diploma or "**Flexible Scheduling**" from JCHS. **Also, the required number of Service-Learning hours must be completed before the student is allowed to participate in graduation ceremonies.**

Hours required; enrolled as a student at Junction City High School for:

4 years – 35 hours required

3 years – 27 hours required

2 years – 18 hours required

1 year – 9 hours required

One-half of a year will count as an entire year. Minimum of 9 hours per year is recommended.

We will accept a student's Service-Learning hours when transferring from another accredited school when recorded as part of the student's official transcript.

A completed "Service-Learning Assignment Form" must be returned to Mrs. Nieves in the SET Office at the Career Academy Campus or FSA Office. This form is available in the Academy Offices, and the USD 475 JCHS Website.LLIL

JUNIOR/SENIOR ENROLLMENT OPTIONS

In recognition of the fact that the 8 semester enrollment requirement may not serve the best interest of some students, the following alternatives are available:

Early Graduation: Per board policy, students who have completed the required credits may terminate their attendance after seven semesters at the high school by following these procedures:

- Submit a written request from parent/guardian to the academy principal. This request must be received by the end of the student's 6th semester.
- Enrollment in Summer School (if available) to complete English IV B and American Government B.
- Students graduating early will be permitted to participate in Prom, Graduation, and Project Graduation.

Flexible Scheduling: A junior/senior may be granted permission to take a partial schedule under the following conditions:

Acceptable Reasons:

- To attend classes at an institution of higher learning. Proof of enrollment will be required.
- Extenuating family circumstances.

Procedure:

- The student must submit a completed application to the academy principal. Applications can be obtained in the academy office.

Requirement:

- Student must maintain full time status (enrolled in at least 5 classes, not including seminar) until semester of graduation.
- Service learning hours must align to student's graduation date.

Internships: Internships are available for either semester and possibly both semesters.

Students are eligible to apply for an internship during their senior year. Internships are intended to give students exposure and training in a job related to their career choice. Placements are made with agencies or businesses in the area, including Fort Riley and Kansas State University. Students who are interns will receive a grade and earn credit equal to a class for the experience. This is a great opportunity for students to work with professionals in the community and have some real experience in their chosen career field. **Note: Students are responsible for their transportation.**

Eligibility:

- Students should have a minimum cumulative GPA of 2.5 or a GPA of 2.5 the previous semester.
- Attendance and behavior need to be excellent. Other graduation requirements, such as service learning and participation, should be completed prior to the internship.

Procedure:

- Complete an Internship Application Form prior to the end of the junior year. Submit the application to coordinator of Post-Secondary Programs in room 106.
- Once the placement is made the student's schedule will be adjusted by their Academy Counselor.

ONLINE, INDEPENDENT STUDY, & OFF-CAMPUS OPPORTUNITIES

JCHS offers the flexibility for qualified students to pursue coursework outside of the standard classroom setting. Please see your counselor for the current list of offerings available through:

- iLearn—online platform for independent study Advanced Placement and World Language courses
- OdysseyWare—online platform for independent study Career & Technical Education Courses
- Cloud County Community College—concurrent enrollment and dual credit options online or at Geary County Campus
- Other post-secondary or online options that become available on a case-by-case basis

ADVANCEMENT VIA INDIVIDUAL DETERMINATION (AVID)

Advancement Via Individual Determination (AVID) is an academic elective course that prepares students for college readiness and success. It provides a combination of careers-related instruction, tutoring for college-level study, motivational activities, and academic skill building. It is for students who know that AP, honors, and weighted courses are the best way to be college-ready, but who would like support as they take those classes. Each week, students receive instruction utilizing a rigorous college preparatory curriculum provided by AVID Center, tutor-facilitated study groups, motivational activities, and academic success skills. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization and reading to support their academic growth.

To be eligible, students must

1. Exhibit **ONE** of the following needs for support: first-generation college goer, ethnic or racial minority, low income, deployed parent(s), special circumstance (divorce, health, single parent, etc.)
2. Take at least one class from the Courses of Rigor chart, appropriate to that student (usually a weighted course or double-math).
3. Possess individual determination, the drive to work hard to succeed.

*AVID application may be obtained from academy counselor.

AVID 9: Advancement Via Individual Determination

Year—Grade: 9—Credit: 1

Prerequisite: Eligibility requirements above AND be selected following the application/interview process

AVID 9 reviews AVID philosophy and strategies. Students work on academic and personal goals and communication, adjusting to the high school setting. Students increase awareness of their personal contribution to their learning, as well as their involvement in JCHS and the community. Analytical writing focuses on personal goals and thesis writing. Students work in collaborative settings, learning how to participate in collegial discussions and use sources to support their ideas and opinions. Students refine study skills and test-taking, note-taking, and research techniques. They take an active role in field trips, college campus visits, and guest speaker presentations. Their college research will include financial topics and building their knowledge on colleges and careers of interest.

AVID 10: Advancement Via Individual Determination

Year—Grade: 10—Credit: 1

Prerequisite: Eligibility requirements above AND be selected following the application/interview process

During AVID 10, students will refine AVID strategies to meet their independent needs and learning styles. Students will adjust their academic learning plans and goals, increasing awareness of their actions and behaviors. As students increase the rigorous course load and school/community involvement, they will refine their time management and study skills accordingly. Students will expand their writing portfolio to include: analyzing prompts, supporting arguments and claims, character analysis and detailed reflections. Students will also analyze various documents, in order to participate in collaborative discussions and develop leadership skills in those settings. Students will expand their vocabulary use, continuing to prepare for college entrance exams and preparation. Text analysis will focus on specific strategies to understand complex texts. Lastly, students will narrow their college and career interests. AVID 10 students prepare for pre-college entrance exams, including the PSAT.

AVID 11: Advancement Via Individual Determination

Year—Grade: 11—Credit: 1

Prerequisite: Eligibility requirements above AND be selected following the application/interview process

AVID 11 helps students select and apply to appropriate colleges and provides preparation for college entrance exams like the ACT and the SAT. The eleventh grade AVID Elective course is the first part in a junior/senior seminar course that focuses on writing and critical thinking expected of first- and second-year college students. In addition to the academic focus of the AVID seminar, there are college-bound activities, methodologies and tasks that should be undertaken during the junior year to support students as they apply to four-year universities and confirm their postsecondary plans.

AVID 12: Advancement Via Individual Determination

Year—Grade: 12—Credit: 1

Prerequisite: None

Prerequisite: Eligibility requirements above AND be selected following the application/interview process

AVID 12 focuses on writing and critical thinking expected of first- and second-year college students. It supports students with college-bound activities, methodologies, and tasks as they apply to four-year universities and confirm their postsecondary plans. The course emphasizes rhetorical reading, analytical writing, collaborative discussion strategies, tutorial inquiry study groups, preparation for college entrance and placement exams, college study skills and test-taking strategies, note-taking and research. AVID 12 also helps students apply for scholarships and prepares them to transition to college living. AVID seniors develop and present a portfolio representing their years of work in the AVID program.

ADVANCEMENT VIA INDIVIDUAL DETERMINATION (AVID)

JCHS AVID Accepted Core Courses of Rigor:

AVID students must take a college-prep (Qualified Admissions) curriculum that includes at least one core course of rigor each year. Choose your course of rigor according to your individual strengths from the list below. In general, courses of rigor fit one or more of the following descriptors: weighted, honors, preAP, AP, math or science ahead of schedule, a Cloud County college class for college credit taken at JCHS.

	9 th Grade	10 th Grade	11 th Grade	12 th Grade
ENGLISH	Honors English I	preAP English II	AP Language & Comp. Eng Comp I, II (Cloud Co.)	AP Literature English Comp I, II (Cloud Co.)
Math	Geometry/Alg I double Algebra II	Adv Algebra II/III Trigonometry preAP preCalc w Trig AP Statistics	Adv Algebra II/III preAP preCalc w Trig College Trigonometry (CC) College Algebra (CC) AP Statistics AP Calculus AB AP Calculus BC	preAP preCalc w Trig College Trigonometry (CC) College Algebra (CC) AP Statistics AP Calculus AB AP Calculus BC
Social Sciences	World Geography	preAP World History	AP US History Intro to Sociology (CC) General Psychology (CC)	AP US Government Intro to Sociology (CC at JCHS) General Psychology (CC at JCHS)
Natural Sciences		PreAP Biology Chemistry I	Human Anat & Phys I, II Physics AP Biology AP Chemistry AP Physics	Human Anat & Physiology I & II Physics AP Biology AP Chemistry Biotechnology II EMT AP Physics

AVID SpEd & ELL students must take ALL courses to the right or substitute with a class of rigor above.	English I Algebra I Physical Science	English II Geometry or Alg II World History Biology	English III Algebra II or Geometry American History Chemistry	English IV Math Elective U. S. Government
--	--	--	--	---

AGRICULTURE AND NATURAL RESOURCES

Intro to Agriscience

Year—Grades: 9-11—Credit: 1

Prerequisite: None

Introduction to Agriscience introduces students to the range of agricultural opportunities and the pathways of study they may pursue. Throughout the course are activities to develop and improve employability skills of students through practical applications. Students will explore career and post-secondary opportunities in each area of the course. Students will experience hands-on activities, projects, and problems. While surveying the opportunities available in agriculture and natural resources, students will learn to solve problems, conduct research, analyze data, work in teams, and take responsibility for their work, actions, and learning. Topics included in Introduction to Agriscience are: Agricultural Education – Agriculture, FFA, and SAE, Communication Methods, Science Processes, Natural Resources, Plants and Animals, Agricultural Mechanics. Students will be able to apply these skills at FFA Career Development Events throughout the year. Class can be taken as a semester or year-long course.

Animal Science I/II

Year—Grade: 10-12—Credit: 1

Prerequisite: Introduction to Agriscience

Animal Science students will explore hands-on projects and activities to learn the characteristics of animal science and work on major projects and problems similar to those that animal science specialists, such as veterinarians, zoologists, livestock producers, and industry personnel, face in their respective careers. Students will investigate, experiment, and learn about documenting a project, solving problems, and communicating their solutions to their peers and members of the professional community. Topics included in this course are: Animal Terminology & Breeds, Background and Social Issues of Animal Science, Anatomy and Physiology, Nutrition, Reproduction, Genetics, Animal Health & Veterinary Terminology, Animal Selection. Students will have opportunities to apply these skills through FFA Chapter Development Events throughout the year. Class can be taken as a semester or year-long course.

Natural Resource Management

Year—Grades: 10-12—Credit: 1

Prerequisite: None

The Natural Resource Management course is a foundation course within Agriculture Pathway. The course provides students a variety of experiences in the fields of natural resources and ecology. Students will explore hands-on projects and activities while studying topics such as biomes, land use, water quality, air, energy, stewardship, and environmental agencies. Students will

also focus on issues surrounding man's interaction with the earth. Throughout the course, students will select an ecosystem to study and apply principles of natural resources and ecology from each unit of study. The lessons in Natural Resource Management include the following: Conservation, Preservation, & Exploitation, Mother Earth, Water Works, Lighter than Air, Earth's Energy, Flora & Fauna, Farming, Forestry & Ferrous, WE are the People, and Past, Present Future.

Research in Agriculture

Year—Grades: 11-12—Credit: 1

Prerequisite: 2 CTE courses on the introductory and technical level specific to the Agriculture Pathway

Agriculture Research and Development (ARD) is the capstone designed to culminate students' experiences in agriculture, based on a pathway of study they choose (Animal Systems, Plant Systems, Mechanical Systems, Environmental Science, Food Science and Technology, or Agricultural Marketing and Communications). Laced throughout the course are projects and problems based in practical applications and designated to develop and improve employability skills of students. Students will further enhance research, critical thinking, and teamwork skills as they expand on content knowledge from previous agriculture courses. Students will work to solve complex, real-world problems through a focused research project. This process will include conducting research, data analysis and communication, and the development of new products.

Students will create an Exploratory Supervised Agricultural Experience and use it to make connections to course lessons. Students will improve investigative, experimental, employability, and communication skills. As a result of the course, students will develop skills in scientific communications about problems, research, and solutions. The knowledge and skills students develop will be valuable for college and career aspirations.

ARMY JUNIOR RESERVE OFFICERS TRAINING CORPS (AJROTC)

The Army Junior Reserve Officer Training Program is a comprehensive character education program that focuses on leadership training and development in an Army staff structure environment. Since this is a voluntary elective class, cadets will be required to maintain Army grooming and uniform wear standards. Army Service Uniforms are issued to each cadet and tailored to them at no cost. Uniforms must be turned in at the end of the academic year. Besides comprehensive leadership instruction, cadets are afforded the opportunity to participate in a variety of extracurricular activities that include Raider Team, Drill Team, Color Guard, Marksmanship, JROTC Leadership and Academic Bowl (JLAB), Junior Guard and Battalion Staff. Cadets may participate in all 4 years of JROTC and are not obligated for any military service.

Leadership Education and Training (LET) 1

Grades: 9-12—Credit: 1

Prerequisites: None

JROTC 1 is an introductory course on leadership and character education. Program of Instruction includes basic leadership principles, drill and ceremonies, citizenship responsibilities and getting involved, study skills, communication skill, physical fitness, conflict resolution, Winning Colors, and the National Endowment for financial education. Entry level cadets will be assigned as squad members in a line company and be expected to perform as a team member in that squad. Uniforms will be worn once a week and is a significant percentage of the cadet's grade. This course teaches responsiveness to delegated authority (followership), the cadet's role as part of a larger organization and personal responsibility.

Leadership Education and Training (LET) 2

Grades: 10-12—Credit 1

Prerequisites- Successful Completion of Leadership Training and Education 1 POI

This midlevel leadership training course is designed to reinforce the lessons learned in the LET 1 program of instruction while addressing new leadership topics. The course work includes training and education in leadership theory and application, wellness, fitness and first aid, emergency situation preparedness, Drug and Alcohol awareness and prevention, land navigation, Constitutional Law and Bill of Rights, citizenship responsibilities, service learning and mid-level National Endowment for Financial Education training. Cadets at this level are expected to act as leaders for an 8-10 man squad of junior cadets and assume responsibility for the performance of those cadets during uniform inspections and drill and ceremonies evaluations.

Leadership Education and Training (LET) 3

Grades: 11-12—Credit 1

Prerequisite: Successful Completion of the LET 2 POI

This course provides cadets with intermediate training in leadership and character education topics that include citizenship, command and staff operations, leadership theory and application, presenting skills, career planning, advance course work in The National Endowment for Financial Education, and teaching skills. Cadets will assume roles as leaders in a company level element or as an assistant staff officer. Cadets are expected to manage a variety of tasks associated with senior leadership. They are expected to lead junior cadets in drill and in inspections and are expected to prepare and teach leadership classes to junior cadets under instructor supervision.

Leadership Education and Training (LET) 4

Grade: 12—Credit 1

Prerequisite: Successful Completion of the LET 3 POI

This course provides cadets with advanced leadership training in citizenship and battalion staff organization and operations as well as advanced leadership concepts. The course is structured to allow cadets a balance of academic instruction and practical application of the previous three years of leadership studies. Cadets will act as senior staff or commanders and are responsible for all command and staff operations for a battalion of six line companies. Cadets will perform staff and leadership operations in accordance with Army doctrine and the unit Standing Operating Procedures (SOP) to support all battalion operations.

Senior Leadership Studies

Year—Grade: 12—Credit: 1

Prerequisite: Be a Leadership Education and Training (LET) 4 Cadet; be serving in a senior leadership position; be approved by the Senior Army Instructor for the course.

This course will instruct senior Army JROTC cadets advanced leadership techniques and studies. Coursework will center on cadets who are in critical leadership positions within the battalion. Cadets will study advanced management techniques and tools while performing in a senior leadership role. Course work will include practical applications of running small group meetings, writing and presenting information in a formal environment (briefings) and supervising junior cadets during the execution phase of battalion operations.

AUDIO/VISUAL MEDIA

Photo Imaging

Semester—Grades: 9-12—Credit: ½

Prerequisite: None

Photo Imaging teaches the technical skills needed to produce quality images for use in a variety of applications. Topics include use of equipment, software and techniques to use, and editing and manipulating of digital images. Students will be required to shoot photos for both the yearbook and newspaper and will be asked to attend a number of after-school events. They will have access to a limited number of school-owned cameras, but are strongly encouraged to have a camera of their own. This course is recommended if a student is interested in joining a JCHS publication staff or plans to take audio/visual communications.

21st Century Journalism

Semester—Grades: 9-12—Credit: ½

Prerequisite: C or better in English

21st Century Journalism promotes the development of the skill set needed today and in the future for the field of journalism. Topics include an exploration of the role media and the communications industry has in society, the development of the technical skills related to journalistic writing and interviewing, as well as forming an understanding of the ethical and legal issues related to the field. Students also study editorial writing, basic desktop publishing principles, headline writing, basic photojournalism and design. This course teaches students to be intelligent consumers of news and prepares interested students for the future work in journalism, including work on such school publications as The Blue Jay (newspaper), The Pow Wow (yearbook) and video production. This course is a must if a student is interested in joining a JCHS publication staff or plans to take courses in audio/visual communications.

Digital Media Design and Production (Digital Yearbook)

Year—Grades: 10-12—Credit: 1

Prerequisite: 21st Century Journalism or Photo Imaging; English Teacher recommendation; Instructor Permission.

Digital Media Design and Production – Yearbook will provide students with the opportunity to apply the fundamental techniques learned in prerequisite courses through the production of multi-media project for public presentation. This course provides “hands-on” experience in writing, designing, photography, and editing for school publications. Staff members have full responsibility for producing the school yearbook and/or newspaper, and maintaining an online presence for those publications. The class also includes the solicitation of advertising adequate to offset the school’s portion of the

publication costs. Teamwork, cooperation, and dependability are stressed, and each student is expected to meet deadlines. After-school work, when scheduled, is mandatory. In addition to meeting the prerequisite requirements, Students must request permission to join the staff and fill out a staff application.

Course may be repeated for credit.

Digital Media Design and Production (Digital Journalism)

Year—Grades 10-12—Credit: ½

Prerequisite: 21st Century Journalism or Photo Imaging; English Teacher recommendation; Instructor Permission.

Digital Journalism - Newspaper will provide students with the opportunity to apply the fundamental techniques learned in prerequisite courses through the production of a multi-media project for public presentation. Students are responsible for all aspects of producing the school newspaper, including story development, reporting, story writing, page design, photography and advertising, as well as maintaining an online presence for that publication. Students in this advanced class will gain a working knowledge of computer programs, including Adobe PageMaker, Photoshop and several aspects of Microsoft Word, word processing, spreadsheet and presentation software. Understanding the hardware and operating systems will also be covered. Students will also have knowledge of internet use and will have a social and ethical understanding of the issues that surround its usage. In addition, students will build skills in communicating messages to the public, to include news releases, pod casts, and electronic bulletins. They will learn to create publicity materials, develop publicity campaigns, and work with the media. This course also provides “hands on” experience in writing, designing, photography, and editing for school publications. Students wishing to take this class should be available for out-of-class work time as needed. Course may be repeated for credit.

Project Management and Resource Scheduling

Semester (2 Blocks)—Grades: 11-12—Credit: 1

Prerequisite: Instructor Permission

Project Management and Resource Scheduling provides students with the information and skills necessary for success in planning, implementing and managing projects. It is designed to take students beyond the day to day classroom and provide the student with career based opportunities based on their pathway focus. This course covers project conception through project completion. It includes resource scheduling of personnel, budget, workloads, timelines, resources, technology, tracking and monitoring, and evaluation. This is an application level

AUDIO/VISUAL MEDIA

course for students who are concentrating in the A/V Communication Pathway, the Health Science Pathway, STEM Pathway and Web and Digital Design Pathway, but it is not limited to those students. Any student that meets the prerequisite regardless of their focused pathway are eligible to enroll in this course.

include video recording and broadcasting of events outside the school day and extra hours outside of the classroom.

Audio/Video Fundamentals

Semester—Grades: 9-12—Credit: ½

Prerequisite: None

This course will provide an introduction to Audio/Video communications technology as well as information technology applications using an array of equipment. Students will be introduced early on to the techniques and functions used to produce an informative video package. Students will learn the importance of digital storytelling using audio and video, and will be required to show their understanding in a variety of student created audio and video packages. Students do not need their own video equipment for this class.

Digital Media Technology

Semester—Grades: 10-12—Credit: ½

Prerequisite: Audio/Video Production Fundamentals

In this course, students will continue to develop technical skills in video production by using various pieces of equipment. Students will be introduced to the production stage by use of the Tricaster system used for live streaming. Production of various types of video packages will be the focus for this course. Content created will be used to support broadcast and livestreaming productions produced by the Video Production course as well as displayed on the Blue Jay Media You Tube page. Students will be given the opportunity to create original content over a variety of topics both assigned to them, and created by themselves individually and in small groups.

Audio/Video Production ^W

Semester (2 blocks)—Grades: 10-12—Credit: 1

Prerequisite: Digital Media Technology

This course will provide students with advance study and experience in communication systems and concepts, multimedia technologies, audio/video productions, and video editing techniques. Adobe Creative Suite software will be used to edit and package video products for airing. Students will also use the Tricaster live editing capabilities to livestream events and to produce shows of interest for students. Students will accomplish major projects for airing to the High School and community through multiple medium forms to include social media sites, JCHS Message Board, Blue Jay Media (Live Stream, Video Recordings) and USD 475 Cable TV Channel 20 as well as through on line providers in the form of podcast and Youtube live stream capabilities. Student requirements

INFORMATION TECHNOLOGY

Computer Applications I

Semester—Grades: 9-12—Credit: ½

Prerequisite: None

This course is designed to introduce students to personal information management using Microsoft Office Suite's Word, Excel, Access, PowerPoint, Outlook applications. The course will expose students to practical examples of each application stressing that ethics and quality assurance are useful tools in any business environment. Students will use these applications to create documents, spreadsheets, databases, and presentations. Additionally, students will apply internet security methods and manage e-mail accounts, address books, and appointments. This class will satisfy the computer technology graduation requirement.

Computer Applications II

Semester—Grades 9-12—Credit: ½

Prerequisite: Computer Applications I

This course is designed to teach the advanced functions of Microsoft Office Suite Word, Excel, Access, PowerPoint, and Outlook. This course will expose the students to advanced examples of using the computer applications as a useful tool in business. In addition, it will provide mastery of the proper procedures to create documents, worksheets, databases, presentations, e-mail, address books, and maintaining appointments. This class will satisfy the computer technology graduation requirement.

Web Page Design

Semester—Grades: 9-12—Credit: ½

Prerequisite: Computer Applications I

Students enrolled in this class will learn the programming languages HTML and touch on JavaScript and CSS. Students will also learn web page design software to create web documents and manage a web site. Students will utilize this knowledge, along with conceptual design models, in creating various World Wide Web pages. This course will rely heavily on self-directed reading, research, and writing assignment.

Advanced Web Page Design

Semester—Grades: 10-12—Credit: ½

Prerequisite: Web Page Design

Students enrolled in this class will learn advanced HTML, CSS, Java Script, Flash and FrontPage. Students will utilize this knowledge, along with conceptual design models, in creating and designing various web pages and web programs and movies. This course will require that students are self-directed and motivated to work and learn new web technologies.

Computer Programming: Visual Basic

Semester—Grades: 10-12—Credit: ½

Prerequisite: C or above in Algebra, Computer Applications I

This course is designed to introduce the student to the Visual Basic programming language. Writing, running, and debugging programs are minimum student objectives. This class will satisfy the computer technology graduation requirement.

Computer Programming: C#/2D Game Design

Semester—Grades: 10-12—Credit: ½

Prerequisite: C or above in Algebra, Computer Applications I, Web Page Design

This course is designed to introduce the student to the C# language and programming C# in the Unity Engine to create 2d games. Writing, running, and debugging programs are minimum student objectives. This class is a prerequisite to Game Design and Programming for the web.

Game Design & Authoring for the Web

Semester—Grades: 11-12—Credit: ½

Prerequisite: Computer Applications, Web Page Design, and Computer Programming or Advanced Web Page Design

This course will explore game design and programming for the web, computer and handheld devices, and game consoles. Students will need some programming experience. Students enrolled in this course must be self-directed learners and have the ability to problem solve, trouble shoot, and work on their own to accomplish a task. This class is the application level course for “web and digital communications pathway”.

*This course is repeatable with instructor permission.

Project Management and Resource Scheduling

Semester (2 Blocks)—Grades: 11-12—Credit: 1

Prerequisite: Instructor Permission

Project Management and Resource Scheduling provides students with the information and skills necessary for success in planning, implementing and managing projects. It is designed to take students beyond the day to day classroom and provide the student with career based opportunities based on their pathway focus. This course covers project conception through project completion. It includes resource scheduling of personnel, budget, workloads, timelines, resources, technology, tracking and monitoring, and evaluation. This is an application level course for students who are concentrating in the A/V Communication Pathway, the Health Science Pathway, STEM Pathway and Web and Digital Design Pathway, but it is not limited to those students. Any student that meets

BUSINESS

the prerequisite regardless of their focused pathway are eligible to enroll in this course.

BUSINESS MANAGEMENT

Business Communications

Semester— Grades: 9-12—Credits: ½

Prerequisite: None

Business Communications will prepare students to communicate effectively in the world of work and will focus on skills demanded by employers. Students will learn and practice effective communication techniques in speaking, writing, and presenting for professional senders and receivers of information. Topics will include appropriate speaking and writing styles, business etiquette, working and communicating on teams, leadership skills, customer service, business presentations, communicating with outside resources, and using technology resources for effective communication.

Business Essentials

Semester— Grades: 9-11—Credits: ½

Prerequisite: None

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.

Marketing

Semester— Grades: 10-12—Credits: ½

Prerequisite: Business Essentials

Marketing addresses the functions involved in the marketing of goods and services and provides students with the competencies necessary for successful marketing employment. The development of competencies in the areas of personal selling, advertising, visual merchandising, physical distribution, purchasing, market planning, product/service technology, and marketing mathematics enable students to become well-

rounded marketing employees who contribute to the success of marketing businesses.

Marketing Workplace Experience (2019-2020)

Semester— Grades: 12—Credits: ½

Prerequisite: Marketing

Marketing workplace experience is an internship learning from a local business the basics of marketing and other relatable business concepts to gain real world experience.

Entrepreneurship

Semester—Grades: 10-12—Credit: ½

Prerequisite: M

This course is an overview in starting a business and creating a comprehensive business plan. In addition, the following will be taught: marketing, advertising, obtaining loans, personnel management, recordkeeping, legal requirements, e-commerce, social and ethical responsibilities as well as problem solving in the work place. This course will rely heavily on research and writing skills. Students enrolled in this course need to have a genuine interest in starting their own business.

Personal Finance

Semester—Grades: 10-12—Credit: ½

Prerequisite: None

Personal Finance teaches students step-by-step methods of approaching smart earning, spending, saving and investing strategies. Topics include everything from earning an income, planning for the future, certificates of deposit to mutual funds, and insurance. Students will learn how to analyze the value of the stock market. Financial planning, banking, credit, online shopping, online investing, and taxes are discussed from a technology perspective.

Accounting I

Year—Grades: 10-12—Credit: 1

Prerequisite: None

Accounting is a lab course which presents a systematic way of keeping records for a sole proprietor and a partnership. Most of the work will be done in class; therefore, attendance is important. This course serves as an introduction to college accounting. This is a hands on class where students will learn to analyze, journalize, and post transactions. They will prepare worksheets, financial statements, adjusting and closing entries. An emphasis on handling a checkbook, writing checks and reconciling a bank statement will be completed. Comprehensive problems will be utilized to complete each semester.

College Accounting: Accounting II W

Year—Grades: 11-12—Credit: 1

Prerequisite: Accounting I

Accounting II will be taught using the same curriculum as Kansas State University and students will be able to take a test through the university at the completion to earn college credit. This class is taught at an advanced level and the grade will be calculated as weighted as it pertains to GPA and graduation. Unlike the procedural approach of Accounting I, this course will be taught from a conceptual approach.

Students will develop an understanding of how accounting is used for operating decisions in business. Students must understand the economic and legal environment of business, gather and summarize data and prepare meaningful reports designed to meet the information needs of decision makers.

Computerized Accounting: Accounting III W

Semester—Grades: 12—Credit: ½

Prerequisite: Accounting I & II, Instructor Permission

Students will learn QuickBooks, a commercial computerized accounting software package.

Finance/Workplace Experience

Semester (Spring)—Grades:11-12—Credit: ½

Prerequisite: Accounting or Personal Finance

Accounting for taxes is a web-based program to provide certification for volunteers to prepare tax returns for the Junction City High School VITA site. Students will assist students and citizens of the Junction City community on filing tax returns either electronically or in paper form.

Investing

Semester—Grades: 11-12—Credit: ½

Prerequisite: Accounting I and Entrepreneurship

Investing emphasizes the formulation of business and individual decisions by comparing and contrasting the investment qualities of cash, stock, bonds, and mutual funds. Students typically review annual reports, predict growth rates, and analyze trends. Stock market simulations will also be incorporated into the class. Student taking this class must have a genuine interest in Finance and investing.

COMMUNICATIONS

Success 101

Year—Grade: 9 —Credit 1

Prerequisite: None

This course is required for all incoming freshman. This course works on three levels: Social, educational achievement, and career and life skills. Socially the students will build interpersonal and communication skills that stem from a strong sense of self and personal identity, while learning about potential stumbling blocks and consequences to a future that they personally envision and create themselves. It helps bolster educational achievement by helping students see the value of education, challenge themselves to strive for more and realize that their educational habits can have a direct impact on their lifestyle, which creates an intrinsic motivation to take personal responsibility for their own learning. It also promotes career and life skills through personally experiencing the career planning process, focusing in on a chosen career path, creating a 10-year plan for achieving those goals, and learning career-specific skills and attitudes that will help them to reach their future goals. This first semester geared toward the social and educational achievement components. The second semester is geared toward developing and creating the 10-year plan.

Success 101 B

Year—Grade: 9 —Credit ½

Prerequisite: None

This course is required for all incoming freshman **who transfer during first semester**. This course works on three levels: Social, educational achievement, and career and life skills. Socially the students will build interpersonal and communication skills that stem from a strong sense of self and personal identity, while learning about potential stumbling blocks and consequences to a future that they personally envision and create themselves. It helps bolster educational achievement by helping students see the value of education, challenge themselves to strive for more and realize that their educational habits can have a direct impact on their lifestyle, which creates an intrinsic motivation to take personal responsibility for their own learning. It also promotes career and life skills through personally experiencing the career planning process, focusing in on a chosen career path, creating a 10-year plan for achieving those goals, and learning career-specific skills and attitudes that will help them to reach their future goals.

Communications



Semester—Grades: 10-12—Credit: ½

Prerequisite: None

This course is designed to develop student speaking skills, create effective communicators and explore the role of communication in society. Topics covered in this course will include personal expression through speech; listening; group discussion; the composition, preparation, and presentation of formal speeches; job interviewing; and elements of mass media.

Introduction to Debate

Semester (Spring)—Grades: 9—Credit: ½

Prerequisite: None

This course is designed to introduce the students to competitive debate and develop research, organization, speaking, listening, and analytical thinking skills. They will explore policy debate and Public Forum policy debate. Tournaments are not required but attendance will be counted as bonus points. Attending JCHS forensics tournament is required. *This course DOES NOT fulfill the Communication requirements for graduations.

Novice Debate

Semester (Fall)—Grades: 9-12—Credit: ½

Prerequisite: KSHSAA eligibility

This course is designed to introduce the student to competitive debate and develop research, speaking, and critical thinking skills. Students enrolling in this course will be required to compete in at least 4 tournaments on weekends, and outside work during the week is to be expected.

COMMUNICATIONS

Advanced Debate ^W

Semester (Fall)—Grades: 10-12—Credit: ½

Prerequisite: Novice Debate; KSHSAA eligibility

This is a weighted course that is designed to continue growth as a debater. More independent responsibility will be expected from the debater and the debater will be expected to lead the team in creating complex arguments. Students enrolling in this course will be required to compete in at least 5 tournaments on weekends, and outside work during the week is to be expected. In addition to meeting all the requirements to enroll in novice debate, they will also be expected to gather research during the summer.

Introduction to Forensics

Semester (Fall)—Grades: 9-12—Credit: ½

Prerequisite: None

This course serves as an introduction to the forensics program. It focuses on the skills needed to prepare and present speeches, monologues, oral interpretation of literature, and Student Congress. Students will be required to complete a performance portfolio. *This course DOES NOT fulfill the Communications requirement for graduation.

Forensics: Argumentation

Semester (Spring)—Grades: 9-12—Credit: ½

Prerequisite: KSHSAA eligibility

This course focuses on the debate and argumentation elements of Forensics: Student Congress, Lincoln Douglas Debate, Public Forum Debate, International and Domestic Extemporaneous Speaking, Impromptu Speaking, and Original Oratory. Students will learn elements of argumentation including logic, philosophy, analysis, fallacies, organization, and refutation. Students enrolling in this course will be required to compete in at least 5 tournaments on weekends, and outside work during the week is to be expected.

Forensics: Oral Interpretation

Semester (Spring)—Grades: 9-12—Credit: ½

Prerequisite: KSHSAA eligibility

This course focuses on the oral interpretation elements of Forensics: Humorous and Dramatic Interpretation; Duo interpretation; Oral Interpretation of Prose; Oral Interpretation of Poetry; Humorous, Dramatic, and Duet Acting; Impromptu Speaking; and Informative speaking. Students will read, analyze, and prepare poetry, prose, and plays for performance in front of an audience. Students enrolling in this course will be required to compete in at least 5 tournaments on weekends, and outside work during the week is to be expected.

College Speech (CCCC) ^{\$}

Semester—Grades: 11-12—Credit: ½

Prerequisite: None

Public Speaking is an elementary course in the study and practice of the basic principles of speech and interpersonal communication with an emphasis on critical thinking, organization and oral presentation. Students must pay for tuition, fees and textbooks. Students successfully completing this course will earn 3 hours of CCCC post-secondary credit.

FAMILY AND CONSUMER SCIENCE

EDUCATION AND TRAINING/EARLY CHILDHOOD

Introduction to Family & Consumer Sciences

Semester/Year—Grades: 9-12—Credit: ½ or 1

Prerequisite: None

Students will evaluate the family and its impact on the well-being of individuals and the community, analyze functions and expectations of positive relationships, identify management strategies of personal resources to meet goals, analyze the factors that influence personal and family wellness, demonstrate life literacy skills required for success and analyze personal roles and responsibilities.

Second semester offers a look into the many occupations (paid and unpaid) linked to providing for the basic needs of children, individuals and families. Occupations will include nutrition educator, child care provider, social worker, foster parent, credit counselor, geriatric care provider, senior citizen care provider, senior citizen director, food service provider, restaurant manager, culinary artists, interior/textile designer, event planner and family and consumer sciences teacher.

This course replaces Career Life Planning

Orientation to Early Childhood Development A

Semester—Grades: 10-12—Credit: ½

Prerequisite: Career & Life Planning, or Introduction to Family & Consumer Sciences or concurrent enrollment

Child Care courses provide students with knowledge about the physical, mental, emotional, and social growth and development of children from birth through childhood. Main topics include the fundamentals of working with infants, toddlers, and older children; providing healthy environments; evaluating child care settings; and the practices, regulations, and opportunities in the child care industry. Advanced topics may include various learning theories; development of activities; operation of a child care center; recognition of childhood diseases, abuse, and neglect; and first aid/emergency training.

Orientation to Early Childhood Development B

Semester—Grades: 10-12—Credit: ½

Prerequisite: C or higher in Orientation to Early Childhood Development A

Child Care courses provide students with knowledge about the physical, mental, emotional, and social growth and development of children from birth through childhood. Main topics include the fundamentals of working with infants, toddlers, and older children; providing healthy environments; evaluating child care settings; and the practices, regulations, and opportunities in the child care industry. Students will participate in a preschool childcare lab where they plan and implement lesson plans.

Foundations of Early Childhood Develop.

Semester (2 blocks)—Grades: 11-12—Credit: 1

Prerequisite: C or higher in Orientation to Early Childhood Development B

Child Development classes provide students with knowledge about the physical, mental, emotional, and social growth and development of children from conception to pre-school age, emphasizing the application of this knowledge in child care settings. These courses typically include related topics such as the appropriate care of infants, toddlers, and young children. Students will spend time in the field observing and mentoring students enrolled in Orientation B.

Early Childhood Applications

Sem. (2 Blocks, min.)—Grade: 12—Credit: Variable

Prerequisite: C or higher in Foundations to Early Childhood Development

Workplace Experience courses provide students with work experience in fields related to caring for others. Students will work with the Internship coordinator to arrange a placement. Goals are typically set cooperatively by the student, teacher, and employer (although students are not paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

Teaching as a Career

Year—Grade: 11-12—Credit: 1

Prerequisite: Career and Life Planning and Orientation to Early Childhood Development A (or concurrent enrollment)

Teaching as a career is the first course where students will be given the opportunity to explore working with students in a classroom setting. In the course students will learn how to plan for instruction, establish a positive learning environment, plan lessons that address different learning styles, and identify what their strengths/weaknesses as an instructor are. The students will be placed in a classroom for a short duration to demonstrate all that they have learned throughout the semester.

Teaching Internship

Sem. (2 Blocks, min.)—Grade: 12—Credit: Variable

Prerequisite: C or higher in Teaching as a Career

This course is the field experience component of the education and training cluster. Students will be placed in a classroom and will be supervised by a district teacher. Students will work with the Internship coordinator to arrange an assignment at the grade level and content that is of greatest interest to the student.

FAMILY AND CONSUMER SCIENCE

RESTAURANT AND EVENT MANAGEMENT

Culinary Essentials

Semester—Grades: 9-12—Credit: ½

Prerequisite: None

Students will learn basic food preparation skills. Topics covered include kitchen safety and sanitation, foodborne illness, table etiquette, nutrition, knowledge of food facts, and various cooking methods. Samples prepared during lab are for tasting and evaluating, and will be from the various food groups. By the end of the semester, students will have gained basic food preparation knowledge and have an introduction to the food service industry.

Nutrition and Wellness

Semester—Grades: 10-12—Credit: ½

Prerequisite: Culinary Essentials

This course will provide an introduction to the field of nutrition and wellness including major trends and issues and employment opportunities. Areas of study include an overview of life-span nutrition and wellness, factors contributing to an individual's wellness, and the relationship of health risks, physical activity, food choices, and nutrition to wellness. Application to today's food and eating trends, plus learning to assess for reliable nutrition information is emphasized.

Baking and Pastry

Semester—Grades: 10-12—Credit: ½

Prerequisite: Nutrition and Wellness

This course will prepare students for careers or post-secondary programs related to the baking and pastry culinary business and industry. The student will apply the knowledge and skills of how basic ingredients function, baking/pastry vocabulary, and mixing techniques to produce baking/pastry products based on industry standards. Students will develop skills in basic bread and pastry techniques to produce breads, muffins, biscuits, pies, cakes, pastries, and specialized desserts. Attention to detail and artistic flair are key skills that begin to develop during this class.

Culinary Arts I

Semester (2 blocks)—Grades: 10-12—Credit: 1

Prerequisite: Nutrition and Wellness

This course is developed by the National Restaurant Association. This program prepares students for occupations and higher education programs of study related to the culinary arts and hospitality industry. Topics in this course include food service basics, nutrition, food preparation for industry, and business math. Students will further enhance their skills in culinary arts and restaurant management by catering school events. They will be

trained in the art of serving customers and learn about purchasing and inventory control, as well as be provided with ServSafe certification opportunities.

OTHER FAMILY AND CONSUMER SCIENCE

Apparel Production I

Semester—Grades: 10-12—Credit: ½

Prerequisite: None

Apparel Production I is an in-class lab experience. It will fit the needs of the student with little or no sewing experience. Each student will complete a minimum of 3 projects after demonstrating their knowledge of the basic sewing skills. Projects will include an embroidered pillow, boxers or pajama pants, and a project of student choice with instructor approval. Students are responsible for providing their own fabric and supplies needed during the semester. The school will provide a variety of machines for students to use to complete the projects. May only be taken one semester.

Interior and Textile Merchandising

Semester—Grades: 10-12—Credit: ½

Prerequisite: Apparel Production I

This course is for the student who has an interest in the merchandising of interior and textile products. Topics include exploring cycles, trends and style as well as the techniques in coordination, promotion, display and sales of interior and textile items. Basic management and entrepreneurship will be introduced as will the relationship of the skills to set and exhibit design.

Interior Design

Semester—Grades: 10-12—Credit: ½

Prerequisite: None

This course will help students learn how to choose home furnishings and equipment that will meet the needs of individual, household or social groups. Students learn to select carpet, paint, wallpaper, window treatments, and choose furniture. A whole-house design plan will be the final project. Career exploration is also studied. Speakers and field trips may be included.

FINE ARTS

INSTRUMENTAL MUSIC

*A limited supply of instruments may be available. Please speak with instructor.

Blue Jay Beginning Band

Semester (Fall)—Grades: 9-12—Credit: ½

Prerequisite: None

This band is designed for the student who needs review of fundamental techniques and musicianship or who are learning a new instrument. The goal is to help each student reach a level of proficiency which will allow him/her to participate in other bands. Course may be repeated for credit.

Blue Jay Marching Band

Semester (Fall)—Grades: 9-12—Credit: ½

Prerequisite: Audition, KSHSAA eligibility

For the first part of the school year, the band will function as a marching band, performing at all home football games as well as at parades, marching competitions, and special events. **Students are expected to participate in summer rehearsals before school begins in the fall.**

After the marching season, the band will become a concert ensemble. Students are eligible to audition for district and state honor bands and participate in small ensembles. Course may be repeated for credit.

Concert Band

Semester (Spring)—Grades: 9-12—Credit: ½

Prerequisite: Must play a band instrument, KSHSAA eligibility

The concert band emphasizes the development of fundamental skills and musicianship through the use of appropriate exercises, studies, and band literature. Individual instruction is provided on a regular basis. Performances include school concerts, state musical festival, and other special events. Students enrolled in concert band are eligible to participate in the regional musical festival for solos and small ensembles. Course may be repeated for credit.

Wind Ensemble

Semester (Spring)—Grades: 9-12—Credit: ½

Prerequisite: Audition, KSHSAA eligibility

The wind ensemble emphasizes a high level of musicianship through the study, rehearsal, and performance of recommended band literature. Performances include school concerts, the state music festival, and other special events. Students enrolled in wind ensemble are eligible to participate in the regional music festival for solos and small ensembles. Course may be repeated for credit.

Percussion Ensemble

Semester (Spring)—Grades: 9-12—Credit: ½

Prerequisite: Audition, KSHSAA eligibility

Percussion Ensemble is a unique 9-12 grade learning community for all JCHS percussionists. A variety of musical styles will be explored to help building musicians learn about all aspects of percussion. Students will become well-rounded percussionists by learning to play snare drum, mallets, timpani, auxiliary percussion, drum set, and much more. Each student will be required to learn and become fluent in playing all percussion instruments. Students will prepare percussion solo and ensemble music for regional and state festivals. All percussionists are considered members of the Pep Band, and select students will perform with the Wind Ensemble and Concert Band. Drumline is also part of the percussion class; this course will help students develop the skills needed for both marching band and concert band.

Jazz Lab Band

Year—Grades: 9-12—Credit: ½

Prerequisite: KSHSAA eligibility; Open to any band instrument.

The jazz band will study, rehearse and perform various styles of instrumental jazz music. Emphasis will be placed on learning the basic styles of jazz and development of improvisation skills. Performances will include school concerts, special events, and possibly jazz festivals. Attendance to all performances is expected.

Jazz Band

Year—Grades: 9-12—Credit: 1

Prerequisite: Audition and enrollment in a large music group, KSHSAA eligibility

The jazz band will study, rehearse and perform various styles of instrumental jazz music. Emphasis will be placed on development of improvisations skills. Performances include school concerts, special events, and jazz festivals.

Freshman Orchestra

Year—Grades: 9 —Credit 1

Prerequisite: None

Freshmen Orchestra is a performance based ensemble that is intended for 9th grade string players with one or more years of previous playing experience or have been in Orchestra during their time in middle school. Students will focus on techniques needed for high school orchestral music, learn appropriate solo and ensemble literature, and perform with other high school students. Students will be able to audition in the spring for Concert Orchestra or Chamber Orchestra for their 10th-12th grade orchestra

FINE ARTS

classes, and Freshmen Orchestra will help develop the skills needed for those classes.

Concert Orchestra

Year—Grades: 9-12—Credit: 1

Prerequisite: Must Play a Stringed Instrument, KSHSAA eligibility

Concert Orchestra is a performance-based course for high school string players and emphasizes the development of fundamental technical skills and musicianship through the study of appropriate exercises, etudes, and recommended orchestra literature. Performances include required school concerts and other special events. Student enrolled in Concert Orchestra are eligible to participate in the regional Solo and Ensemble Festival, as well as audition for district and state honor groups. Course may be repeated for credit.

Chamber Orchestra

Year—Grades: 9-12—Credit: 1

Prerequisite: Audition, KSHSAA eligibility

Chamber Orchestra is an advanced string ensemble which emphasizes a high level of musicianship and playing techniques through the study of recommended orchestra literature, including the standard orchestra repertoire, along with solos, etudes, and technical studies. Performances include required school concerts, State Large Ensemble Festival, and other events. Students enrolled in Chamber Orchestra are encouraged to participate in the Regional solo and Ensemble Festival as well as audition for district and state honor groups. Course may be repeated for credit.

Guitar

Semester—Grades: 9-12—Credit: ½

Prerequisite: None

Students will work through Mastering the Guitar book I and II in a self-paced learning environment. In Book I, students will learn the fundamental techniques of playing the guitar including: how to read music as well as tablature, how to read chords, and how to play solos. Students will also develop accompaniment techniques and learn to play some ensemble arrangements. In Book II, students will learn advanced techniques of playing the guitar including: extended chords, harmonics and finger picking style. Students will also develop more accompaniment techniques and learn to play additional ensemble arrangements. Students must provide own acoustic guitar. Course may be repeated for credit with instructor permission. * **Students must supply their own acoustic guitar.**

Piano

Semester—Grades: 10-12—Credit: ½

Prerequisite: Prior Level of Piano

This one semester class is designed to teach piano technique and music theory to students of all levels. Organization, self-discipline, and regular attendance are essential characteristics for student success in this course. Course may be repeated for credit.

Music Theory

Semester—Grades: 11-12—Credit: ½

Prerequisite: One year in high school performance group

For students who are interested in understanding music education, performance, or composition. Course will cover the contents of a first semester collegiate music theory class through computer and written work. Students will also gain a working knowledge of notation software. This course is designed for the student pursuing a music career.

VOCAL MUSIC

Freshman Women's Chorus

Year—Grades: 9 —Credit 1

Prerequisite: None

This choir is designed to introduce and prepare students for the opportunities and requirements of the vocal music department. The course of study includes vocal technique, music theory, history, stage presence, performance, and concert etiquette. Students are expected to participate as part of the performing ensemble in the fall, winter and spring concerts. Students must have appropriate attire for performances.

Concert Choir

Year—Grades: 10-12—Credit: 1

Prerequisite: None

The Concert choir will study and perform all styles of music literature. The course of study includes vocal technique, intermediate music theory, history, cultural study, stage presence and performance. Students are expected to participate as part of the performing ensemble in the fall, winter and spring concerts. Students must have appropriate attire for performances.

Men's Chorus

Year—Grades: 9-12—Credit: 1

Prerequisite: None

This choir will study and perform various styles of literature arranged for men's voices. Included in this class will be the study of basic music theory, vocal technique, and vocal performance. Students must have appropriate

FINE ARTS

attire for performances. Course may be repeated for credit.

Chamber Choir

Year—Grades: 10-12—Credit: 1

Prerequisite: Audition, KSHSAA eligibility

Students will be performing at an advanced level and will need a basic knowledge of music theory and singing technique in order to be successful with the material.

This is the most advanced large ensemble at JCHS with emphasis placed on study and performance of the finest global choral literature. The course study will include the rudiments of music, vocal technique, theory, history and culture, stage presence, and performance etiquette.

Students will be eligible to audition for District and State Honor Choirs. Students must have appropriate attire for performances. Course may be repeated for credit.

Lady Blues Women's Choir

Year—Grades: 10-12—Credit: 1

Prerequisite: Audition, KSHSAA eligibility

This choir will study and perform various styles of literature arranged for women's voices. Included in this class will be the study of basic theory, vocal technique, and performance. Performance attire is provided by the Vocal Music Department. Students must have appropriate attire for performances. Course may be repeated for credit.

JC Singers

Year—Grades: 10-12—Credit: 1

Prerequisite: Audition, KSHSAA eligibility

This mixed ensemble is chosen by audition in the spring. This is the premier vocal ensemble at JCHS and each member is required to enroll in Chamber Choir. JC Singers will perform mostly Acappella, with the addition of a musical theatre unit. Students must have appropriate attire for performances. Course may be repeated for credit.

DRAMATIC ARTS

Introduction to Drama

Semester—Grades 9-12—Credit: ½

Prerequisite: None

This course is a survey course, in that many different aspects of Theatre are studied. Some of the major areas covered are Basic Acting Skills, Plot, Comedy, History, Musical Theatre, Voice, Make-up, Film and Improvisation. Grades will be based on class work, tests and performance/participation.

Acting I

Semester—Grades 10-12—Credit: ½

Prerequisite: C or better in Intro to Drama

This course further teaches basic acting skills. Topics covered are oral interpretation, readers' theatre, improvisation, and duet acting. Students will also produce and perform a children's play in the Traveling Children's Theatre Tour, which will account for the majority of the semester's grade. Imagination and good oral reading skills are a must. Class participation and performance will determine student grades. Course may be repeated for credit.

Acting II

Semester—Grades 10-12—Credit: ½

Prerequisite: Acting I and instructor permission

This course will advance the student's acting skills. This course will concentrate on improvisation and characterization. Along with performing in the Traveling Children's Theatre Tour, students will produce one-act plays, and participate in duet acting scenes. As in Acting I, class participation and performance will determine student grades. Course may be repeated for credit.

Stagecraft I/II

Semester—Grades 11-12—Credit: ½

Prerequisite: Drawing I or Painting I

Technical theatre skills are the focus of this class. This course teaches safety, set design, stage management, set construction and painting, and actual production work. Students must be able to work with hand tools. Previous background in wood working and/or electronics is preferred. Work outside of class time may be necessary for shows. Grades will be determined by test scores and class participation/work. Course may be repeated for credit with instructor permission.

Sound Production and Recording

Semester—Grades: 11-12—Credit: ½

Prerequisite: None

This course offers hands-on experience in the areas of running live sound and studio recording/editing. This semester course covers basic sound setup and techniques in running sound for a live event, in addition to setup and techniques in using digital recording and editing equipment. Software used includes: Acid Music, Studio and Audacity. Class work, Acid assignments and other projects, tests, and class participation will determine the grade. Students must provide their own headphones, which will be used every day.

FINE ARTS

VISUAL ARTS

Introduction to Art and Design

Semester—Grades: 9-12—Credit: ½

Prerequisites: None

Introduction to Art and Design is a class for students who have not taken a semester long art class previously in middle school or high school. The class will teach students fundamental vocabulary including the elements of art and the principles of design as well as basic drawing skills with pencil, colored pencil, charcoal, and pastels as well as painting skills with watercolor and acrylic paint.

Drawing I

Semester—Grades: 9-12—Credit: ½

Prerequisites: None

Drawing I will deal with the elements of design and the introduction of art methods, styles, and media in drawing. Students will focus on line, shape, form, value, texture, space, and color, the basic elements. The elements will be used to explore drawing with the following media; pencil, charcoal, chalk pastel, colored pencil, and crayon.

Drawing II

Semester—Grades: 9-12—Credit: ½

Prerequisites: C or better in Drawing I

Drawing II will deal with the principles of design and more advanced levels of art methods, styles, and media in drawing. Students will focus on balance, movement, rhythm, contrast, emphasis, pattern, and unity; the basic principles. The principles will be used to explore drawing with the following media; pencil, charcoal, chalk pastel, colored pencil, and crayon.

Advanced Drawing

Semester—Grades: 10-12—Credit: ½

Prerequisites: C or better in Drawing II

Advanced Drawing will deal with an advanced level of drawing using elements and principles of design. Students will be exposed to various drawing media including pencil, charcoal, chalk pastel, colored pencil, and crayon. Advanced Drawing is an individualized class with the students proposing their own course study to be designed with the instructor with deadlines and project outcomes. Those outcomes will be finalized with the instructor by the end of the 2nd day of class. Students can choose to do three 6 week units or one full semester unit. Grading will be based on a written agreement between the student and instructor. Course may be repeated for credit with instructor permission.

Painting I

Semester—Grades: 9-12—Credit: ½

Prerequisites: None

Painting I will deal with the elements of design and the introduction of art methods, styles, and media in painting. Students will focus on line, shape, form, value, texture, space, and color, the basic elements. The elements will be used to explore painting with the following media; watercolor pencils, watercolor, oil pastel, acrylic, and tempera.

Painting II

Semester—Grades: 9-12—Credit: ½

Prerequisites: C or better in Painting I

Painting II will deal with the principles of design and more advanced levels of art methods, styles, and media in painting. Students will focus on balance, movement, rhythm, contrast, emphasis, pattern, and unity; the basic principles. The principles will be used to explore painting with the following media; watercolor pencils, watercolor, oil pastel, acrylic, and tempera.

Advanced Painting

Semester—Grades: 10-12—Credit: ½

Prerequisites: C or better in Painting II

Advanced Painting will deal with an advanced level of painting using elements and principles of design. Students will be exposed to various painting media including watercolor, acrylic, tempera, and oil. Advanced Painting is an individualized class with the students proposing their own course study to be designed with the instructor with deadlines and project outcomes. Those outcomes will be finalized with the instructor by the end of the 2nd day of class. Students can choose to do three 6 week units or one full semester unit. Grading will be based on a written agreement between the student and instructor. Course may be repeated for credit with instructor permission.

3-D Design I

Semester—Grades: 10-12—Credit: ½

Prerequisites: C or better in Drawing I or Painting I

3-D Design I will explore three-dimensional artwork focusing on the principles of design and art methods, styles, and media in 3-D Design. Students will focus on balance, movement, rhythm, contrast, emphasis, pattern, and unity; the basic principles. The principles will be used to explore 3-D design with the following media; paper, found objects, metal, clay, and plaster.

FINE ARTS

3-D Design II

Semester—Grades: 10-12—Credit: ½

Prerequisites: C or better in 3-D Design I

3-D Design II will explore three-dimensional artwork using more advanced levels of art methods, styles, and media in 3-D Design. The principles will be used to explore 3-D design with the following media; paper, found objects, metal, clay, plaster, wood, and stone using both subtractive and additive methods of sculpture and design.

Advanced 3-D Design

Semester—Grades: 10-12—Credit: ½

Prerequisites: C or better in 3-D Design II

Advanced 3-D Design will deal with an advanced level of working in three-dimensions using elements and principals of design. Students will be exposed to various 3-D design media including paper, found objects, metal, clay, plaster, wood, and stone using both subtractive and additive methods of sculpture and design. Advanced 3-D Design is an individualized class with the students proposing their own course study to be designed with the instructor with deadlines and project outcomes. Those outcomes will be finalized with the instructor by the end of the 2nd day of class. Students can choose to do three 6 week units or one full semester unit. Grading will be based on a written agreement between the student and instructor. Course may be repeated for credit with instructor permission.

Graphic Design Fundamentals

Semester—Grades: 9-12—Credit: ½

Prerequisites: Photo Imaging, Drawing I or Painting I

Graphic Design Fundamentals introduces the students to the elements and principles of design and how they are implemented into the design process. Students will be asked to create designs by hand sketching out their ideas on paper, and progressively moving towards producing those ideas using Adobe Photoshop. Students will learn the basic functions of Adobe Photoshop and be briefly introduced to Adobe InDesign in this course as they move closer to the second tier of the graphic design courses. Students will create projects such as logos, posters, and infographics. They will learn the importance of using graphics to tell a story, and/or promote a product. Infographics will be a main focus in this course as students will be taught how to use an infographic to convey a specific message by creating original content specific to that topic.

Graphic Design

Semester—Grades: 10-12—Credit: ½

Prerequisites: Graphic Design Fundamentals

Students will build on their understanding of the principles of graphic design while applying them to a variety of

projects throughout the course. Projects will include (but not limited to) infographics, logos, brochures, fliers, posters, and promotional graphics. Students will begin to work in more of a “professional setting” as it pertains to their work. Students in this course will also be introduced to the portfolio and its importance as they move further along in their education.

Advanced Graphic Design ^W

Semester—Grades: 10-12—Credit: ½

Prerequisites: C or better in Graphic Design

Advanced Graphic Design is an independent study course that will allow students to use skills from Graphic Design Fundamentals and Graphic Design to create individually planned designs. Students in this course will be given a layout of what their graphic design portfolio should look like, which will include the types of graphics they will need to produce based on category. From there, students will choose topics for each category and complete the preparation portion of each individual assignment before presenting it to the instructor for approval. After approval, students will work independently to complete each of the various sections of their portfolio in order to develop a quality portfolio to be displayed and shared as they move forward in their individual careers.

Junior Studio I

Semester (Fall)—Grades: 11—Credit: ½

Prerequisites: Instructor Permission

Junior Studio Practice is a class for the college/design school. It is an individual independent plan of study that will result in entering the Scholastic Arts competition in January. The student must have a B average in all Art classes taken and must be by instructor approval only. The student will work in the media of his/her choice. Students will produce and agreed upon amount projects with the instructor and will meet all designs. This class will provide the student with the opportunity to prepare for scholarships and a more in depth study into the media of the student’s choice.

Junior Studio II

Semester (Spring)—Grades: 11—Credit: ½

Prerequisites: Junior Studio I & Instructor Permission

Junior Studio 2 is a continuation of Junior Studio I. The student will begin building an actual and an electronic portfolio. These portfolios will be used to apply for scholarship related to art as a career. Students will be encouraged to contact different types of art related programs at colleges, universities, art institutes, and graphic design schools. Students will have entered the Scholastic Arts contest. Students will learn how to

FINE ARTS

photograph and prepare their art to compete for admission to an Art related educational program. This class will provide the student with the opportunity to prepare for scholarships and a more in depth study into the media of the student's choice.

Senior Art Studies I

Semester (Fall)—Grades: 12—Credit: ½

Prerequisites: Instructor Permission

The student will spend the entire semester working in the media/medias of his/her choice and making application to educational institutions of their choice. Students will learn to frame and mat completed art work and will make application to at least three schools of study by the end of the second six weeks and will learn the process for financial aid. Students will visit a local art gallery to learn about the process of displaying art work. Student will produce a senior show for the Yule Tide concert in December. This class can be taken during any class period the instructor has a class and will be based on an independent course of study. This class will provide the student with the opportunity to prepare for scholarships and a more in depth study into the media of the student's choice.

Senior Art Studies II

Semester (Spring)—Grades: 12—Credit: ½

Prerequisites: Instructor Permission

The student will spend the entire semester working in the media/medias of his/her choice and making application to educational institutions of their choice. Students will learn to frame and mat completed art work and will make application to at least three schools of study by the end of the second six weeks and will learn the process for financial aid. Students will visit a local art gallery to learn about the process of displaying art work. Student will produce a senior show for the Yule Tide concert in December. This class can be taken during any class period the instructor has a class and will be based on an independent course of study. This class will provide the student with the opportunity to prepare for scholarships and a more in depth study into the media of the student's choice.

HEALTH SCIENCES

Introduction to Health Sciences

Semester—Grades: 9-10—Credit: ½

Prerequisite: None

*While the reading of the medical text will likely be new to students, in-class scaffolding and support will gradually help build the skills needed to read these texts independently. In addition, the writing is intensive. Therefore, students must have strong writing skills.

This class is an introduction to the Health Science Pathway. Students will explore the foundations of the United States health care system. Through a variety of interactive activities students will be introduced to key components of health care history, the Health Science Pathway Clusters, system theories and communication within the health care system. Students will research a variety of opportunities available within the health care industry (e.g., such as nursing, therapy, dental care, administrative services and lab technology).

Health Sciences I

Semester—Grades: 10-11—Credit: ½

Prerequisite: C or better in English and Introduction to Health Sciences; and Biology or concurrent enrollment.

*The medical vocabulary is intensive in this course. Strong reading and writing skills are a necessity.

Students will be introduced to legal and ethical responsibilities of health care. Students will be introduced to the academic foundations of health care as they relate to the basic human structure and function as well as being introduced to basic medical terminology. This course does not replace the anatomy and physiology courses offered by JCHS Science Department.

Health Sciences II

Semester—Grades: 10-12—Credit: ½

Prerequisite: C or better in English, and Health Sciences I; and Biology or concurrent enrollment.

Students will be introduced to information about blood borne pathogens, infectious and non-infectious diseases, the disease process, health care safety practices and other skills necessary to further their education and employment opportunities in a variety of health care professions. Students will also learn the technical skills for first aid and CPR.

Care of Athletes

Semester—Grades: 11-12—Credit: ½

Prerequisite: C or better in Health Science I and C or better in Anatomy and Physiology A.

This course will prepare students with the knowledge and skills to understand and perform therapeutic tasks that would be designated by an athletic or fitness trainer. Course content may include but will not be limited to

taping and bandaging, proper use of protective padding, treatment modalities, anatomy and physiology, and medical terminology. Students will learn to measure cardio-respiratory endurance, flexibility, body composition and blood pressure.

Health Science Internship Orientation

Year—Grades: 12—Credit: ½

Prerequisite: Anatomy and Physiology and Health Science II

This class will provide the orientation necessary to complete a Health Science Internship as a CTE field experience.

This class will be offered as a zero hour.

Health Science Internship

Year—Grades: 12—Credit: 1

Prerequisite: Health Science II and Anatomy and Physiology or concurrent enrollment

This course will provide students with professional learning experience in the five career pathways. The course will include classroom activities involving research of the various careers in the health profession and one rotation within each of the five pathways for Health Science Education cluster. The rotational clinical/shadowing professional learning experience for students may occur at a variety of settings (i.e., dentist office, Therapeutic; occupational therapy, diagnostic; social worker, Health Informatics; interpreter, Support Services; pharmacy, Biotechnology).

Project Management and Resource Scheduling

Semester (2 Blocks)—Grades: 11-12—Credit: 1

Prerequisite: Instructor Permission

Project Management and Resource Scheduling provides students with the information and skills necessary for success in planning, implementing and managing projects. It is designed to take students beyond the day to day classroom and provide the student with career based opportunities based on their pathway focus. This course covers project conception through project completion. It includes resource scheduling of personnel, budget, workloads, timelines, resources, technology, tracking and monitoring, and evaluation. This is an application level course for students who are concentrating in the A/V Communication Pathway, the Health Science Pathway, STEM Pathway and Web and Digital Design Pathway, but it is not limited to those students. Any student that meets the prerequisite regardless of their focused pathway are eligible to enroll in this course.

Emergency Medical Technician (EMT)

Semester (2 Blocks)—Grades: 12—Credit: 1

Prerequisites: C or Better in Anatomy and

Physiology, Instructor Permission with an interview

This program is designed for individuals interested in providing medical care to patients in the pre-hospital setting. It will provide the participants with opportunities to gain information, skills and attitudes necessary for certification and practice as an emergency medical technician (EMT) in the state of Kansas. This program has been approved by the Kansas Board of Emergency Medical Services (BEMS). It addresses information and techniques currently considered the responsibility of the EMT according to the United States Department of Transportation, National Standard Curriculum. The program consists of didactic instruction, practical skill training and clinical experience. Classroom instruction includes anatomy, physiology, recognition and care of medical emergencies, and trauma-related injuries. CPR, bandaging, splinting, childbirth techniques and airway management are among the skills taught. Students in this course must provide their own transportation between the school and the Junction City Fire Department. Students completing this course will be prepared to obtain certification as an EMT in Kansas.

Certified Nurse Aide (CNA)

Semester (Spring)—Grades: 11-12—Credit: 1

Prerequisite: Medical vocabulary and Introduction to Health Care Professions

This ninety-hour course is designed to prepare participants to become certified nurse aides. The State Department of Health and Environment curriculum and guidelines are fully implemented. Clinical hours outside the school day are required. Students will be required to pay for textbooks. Tuition and fees are waived per SB155. Students successfully completing this course will earn 2 hours of CCCC post-secondary credit.

LANGUAGE ARTS

English I



Year—Grade: 9—Credit: 1

Prerequisite: None

This course will provide students with reading and writing skills necessary to advance to the next level of English. English I will focus on literary selections from a broad range of sources. Daily compositions, essay responses, and two research assignments are included in this course. Homework consists of occasional reading assignments and out-of-class writing.

Honors English I



Year—Grade: 9—Credit: 1

Prerequisite: 8th grade teacher recommendation

Honors English I is a course designed to prepare students for advanced study of literature and writing, including Pre-AP courses. Honors English I will include additional reading, writing, and enrichment that will provide deeper and more extensive study than English I. Proficiency in basic skills is required. Out-of-class reading from the ALA Best Books for Young Adults list and writing assignment are frequent. Materials will include short stories, poetry, plays, and nonfiction. Writing assignments include two research projects/papers. Class may include meeting outside of regular class time (i.e. before school and/or during seminar) that students must attend. The Honors class will include but not be limited to: completing a reading list in preparation for Pre-AP English II and compiling an end of the year presentation.

English II



Year—Grade: 10—Credit: 1

Prerequisite: None

This course provides students with language arts skills necessary for college, post-secondary endeavors, and employment. English II provides an overview of literary elements and genres. Compositions, essay responses, and research assignments are included in the course. Daily homework may consist of reading assignments, out-of-class writing, and reviews.

Pre-AP English II



Year—Grade: 10—Credit: 1

Prerequisite: B or better in English I or Honors English I, or instructor permission

Pre-AP English II is a course that emphasizes the development of advanced skills in composition and literary analysis. The course is designed to enable students to develop close reading strategies as well as higher critical thinking skills as preparation for the Advanced Placement courses at the 11th and 12th grade

levels. Literary study covers nonfiction, short stories, poetry, test taking skills, analogies, etc. Expectations for Pre-AP English II are higher and broader than those for English II. All daily discussions, written work, compositions, and tests require higher-level thinking skills, mature responses, and extensive preparation outside of class. Tests will be primarily essay in nature. Extensive research and creative projects are assigned with most units. All reading assignments and most writing will be done outside of class.

English III



Year—Grade: 11—Credit: 1

Prerequisite: None

This course will provide students with the language arts skills necessary for college, post-secondary training, and employment. English III concentrates on American Literature with emphasis on the Native Americans, Puritans, Hawthorne, and Mark Twain. Most of the authors are studied through the use of short story selections rather than novels. Compositions, essay response, and research assignments are incorporated into the course with an emphasis on persuasive writing strategies and skills.

AP English Language and Composition



Year—Grade: 11—Credit: 1

Prerequisite: B or better in English II/Pre-AP or

Instructor Permission. Pre-AP English II recommended.

Students in this introductory college-level course read and thoroughly analyze challenging prose selections, deepening their awareness of writing techniques and language. Through close reading and frequent writing about that reading, students strengthen their abilities to work with language and text with purpose and strategy, becoming more aware of both author's purpose and audience needs. They synthesize information from readings in their own compositions and cite sources according to Modern Language Association standards. Course readings feature expository, analytical, personal, and argumentative texts from a variety of authors and historical contexts. Students examine and work with essays, letters, speech, images, and imaginative literature. As this is a college-level course, performance expectations are appropriately high, and the workload is challenging. It often involves long-term reading and writing assignments to be done outside of class, so time management skills are essential.

LANGUAGE ARTS

English IV



Year—Grade: 12—Credit: 1

Prerequisite: None

This course provides students with language arts skills necessary for college, post-secondary training, and employment. English IV concentrates on British Literature. The course surveys major literary periods and their work: Anglo-Saxon/Beowulf, Middle Ages/Chaucer, Renaissance/Shakespeare, the Romantics, Modern and Post-Modern Era. Compositions, essay responses, and research assignments are included in the course. One major focus is preparation for higher education and job searches, involving a resume and cover letter first semester and a research project second semester.

AP English: Literature and Composition



Year—Grade: 12—Credit: 1

Prerequisite: B or better in English III/ AP Language or instructor's permission. AP Language recommended.

This course provides an opportunity for the senior to earn credit in high school and to simultaneously satisfy the freshmen English requirement for most colleges. As a condition of enrollment in the AP course all students must take the AP exam administered at the end of the course. Extensive reading, writing, and textual analysis will be required; material and instruction will be at the college level. Students may purchase some of their own texts so the books may be used for notes and kept.

Graphic Novels: Image and Text

(offered in odd numbered graduation years)

Semester—Grade: 9-12—Credit: ½

Prerequisite: None

Since the 1980s, the so-called graphic novel, or long-form comic, has become a popular and accomplished literary and artistic form. This evolving and hybrid medium represents, in the words of author and artist Eddie Campbell, “an emerging new literature of our times in which word, picture, and typography interact meaningfully and which is in tune with the complexity of modern life...” This course offers a survey of some of the best graphic novels of the last thirty years, while providing the skills for reading comics critically by analyzing the text and images of the panels, pages, and entire works. The graphic novels read will cover fiction and nonfiction, and both American and Japanese comics, with students making comparisons across genres and cultures.

Fiction to Film

(offered in even numbered graduation years)

Semester—Grade: 9-12—Credit: ½

Prerequisite: None

The course is directly linked to textual analysis/evidence and special attention to visual and auditory elements of film. More specifically, the course will survey landmark moments of cinema, foundational film concepts, and reading strategies for fiction. Students, through project-based learning, will be able to consider how film reflects the roles of characters, plots, themes, settings, and/or values.

Creative Writing



(Offered in even numbered graduation years)

Semester—Grade: 9-12—Credit: ½

Prerequisite: None

Creative Writing is for students who enjoy writing, and have an interest in developing their writing skills through various forms of creative writing. Though the emphasis of this course is writing, some reading is required. Students will write creative pieces that will include multiple poems and short stories. Other assignments may include writing for children, writing for the stage/screen, and creative nonfiction. Students will be required to write original creative pieces, participate in class discussion, share their writing in a workshop format, and present a final portfolio.

War Literature



(offered in even numbered graduation years)

Semester—Grade 9-12—Credit: 1/2

Prerequisite: None

This course will focus on poetry, fiction and nonfiction that are reflections and products of war as experiences by both the soldiers and civilians. This course is designed for students who like to read and are interested in social issues pertaining to the military and war. Students will also respond to literature through writing, analyzing, creating group projects, engaging in class discussions, etc. as a means of expanding their understanding of the selection.

Mythology



(Offered in odd numbered graduation years)

Semester—Grade: 9-12—Credit: ½

Prerequisites: None

The study of mythology and its ancient explanations for the mysteries of the universe will enrich students by giving them insight into their own culture and the universal concept of human experience. We will study what the

LANGUAGE ARTS

myths say about the culture which produced it, how it compares to other cultures and times, and how it has influenced succeeding generations. The knowledge gained will enable the student to understand better many allusions to mythology made in every kind of literature.

Philosophy of Art and Literature

(Offered in odd numbered graduation years)

Semester—Grade: 10-12—Credit: ½

Prerequisite: None

From Aristotle's Poetics to Banksy's Exit at the Gift Shop, thinkers have always been fascinated by the questions "What is art?" and "How do art and literature work?" Students will examine philosophical texts alongside works of art and literature as they seek their own answers to these timeless questions. Beginning in Ancient Greece, students will examine the inner workings of Greek tragedy, create descriptive writing about some important Renaissance paintings, research the many art and poetry movements of the twentieth century, and reflect on how the contemporary art world had made graffiti artists into millionaires. Students will write reflectively on essential questions related to aesthetics, the branch of philosophy that studies art, beauty, and culture.

English Composition I (CCCC)

Fall Semester—Grades: 11-12—Credit: ½

Prerequisite: Appropriate ACT Test score; substitution for English IV

This course stresses writing with emphasis on grammatical correctness, acceptable usage, effective organization, and expression of ideas. Assigned reading, expository writing, and a research paper are required. Student must pay for tuition, fees, and textbook. Student who successfully complete this course will earn 3 hours of CCCC post-secondary credit. ***Fulfills requirement for Senior English.**

English Composition II (CCCC)

Spring Semester—Grades: 11-12—Credit: ½

Prerequisite: English Composition I; substitution for English IV

This course is a continuation of English Composition I with an emphasis on writing and rewriting. A persuasive paper, a literary paper, assigned readings, and themes are included. Student must pay for tuition, fees, and textbook. Student who successfully complete this course will earn 3 hours of CCCC post-secondary credit. ***Fulfills requirement for Senior English.**

ELL Newcomers English I/ELL I Lab

Year—Grade: 9-12—Credit: 2

Prerequisite: Instructor Permission

These classes are designed to develop students' oral language abilities and literacy skills. Students develop oral and written competencies in understanding and generating simple sentences, questions, and commands. Curriculum materials include, but are not limited to, the Oxford Picture Dictionary for the Content Areas, ACCESS Newcomers, and Writing Power 1.

*The ELL Newcomers English I class is counted as an English credit, and the ELL I Lab class is counts toward an elective credit. The ELL teacher meets with these students daily.

ELL Newcomers English II

Year—Grades: 9-12—Credit: 1

Prerequisite: Instructor Permission

This course is an extension of skills learned in ELL Newcomers English I. It provides students with academic and social language skills necessary to function in core curriculum classes and navigate their way through the academic setting. ELL Newcomers English II focuses on syntax, continued vocabulary development, reading, listening, speaking and pronunciation skills, and writing pieces that demonstrate an organization of ideas and supporting elements.

The goal will be to help ELL students become more comfortable in all areas within and outside of the academic setting and increase English language proficiency. Curriculum materials include, but are not limited to, the Oxford Picture Dictionary for the Content Areas, ACCESS Newcomers, and Writing Power 1.

*The ELL Newcomers English II class counts as an English credit. It is a year-long course that meets every other day.

English III (for English Language Learners)

Year—Grade: 11—Credit: 1

Prerequisite: Instructor Permission

This course will provide students with the language arts skills necessary for college, post-secondary training, and employment. English III concentrates on American Literature with emphasis on the Native Americans, Puritans, Hawthorne, and Mark Twain. Most of the authors are studied through the use of short story selections rather than novels. Translation, modifications and adaptations are utilized based on the students' various levels of English proficiency. Composition, essay response, and research assignments are incorporated into the course with an emphasis on argumentation writing strategies and skills. Four essays to be assessed using the Six-Trait Model.

*This is a year-long course that meets every other day.

LANGUAGE ARTS

ELL Tutorial

Year—Grades: 9-11—Credit: 1

Prerequisite: Instructor Permission

This Tier 2 MTSS class focuses on the academic language needed to be successful in core high school and college classes. In addition, students will be taught WICOR strategies to assist them in organization, higher-level questioning, and homework. It provides a combination of strategies to increase English language proficiency along with academic skill building using AVID strategies.

*The ELL Tutorial class counts as an elective credit. It is a year-long course that meets every other day.

ELL Strategies

Year—Grades: 10-12—Credit: 1

Prerequisite: Instructor Permission

This Tier 2 MTSS class provides intensive instruction on the application of strategies and skills necessary for increased independence and academic success as well as vocabulary development. Instruction is designed to improve organizational and study skills such as note taking, test taking, time management, goal-setting, and self-monitoring. Students will work in a collaborative setting and participate in collegial discussions using grade-appropriate oral and written exchanges of information, ideas, and analyses. Life skills such as attendance, punctuality, organization, responsibility, attitude, behavior management, and effort will be reinforced. Materials include, but are limited to, the 3D English curriculum.

*The ELL Strategies class counts as an elective credit. It is a year-long course that meets every other day.

LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY

Intro to Law, Public Safety, Corrections and Security

Semester—Grades: 9-12—Credits: ½

Prerequisite: None

An introductory course designed to provide students with knowledge of occupations available in Law, Public Safety and Security fields and introduce them to the legal system, professional conduct, safety, and types of crime.

Business Law

Semester—Grades: 10-12—Credit: ½

Prerequisite: None

This course is designed to help students learn about ethics and the impact of the law on their daily lives. Some of the topics discussed will be: contract law, consumer protection, employment contracts, property law, credit obligations, bankruptcy and insurance. Students will be required to examine and analyze actual court cases.

Law Enforcement I

Year—Grades: 10-12—Credit: 1

Prerequisite: Intro to Law, Public Safety, Corrections and Security

The first of two courses designed to provide students with the skills and knowledge necessary to obtain entrance to the Law Enforcement or Highway Patrol Academy.

Law Enforcement II

Year—Grades: 11-12—Credit: 1

Prerequisite: Law Enforcement I

The second of two courses designed to provide students with the skills and knowledge necessary to obtain entrance to the Law Enforcement or Highway Patrol Academy. Teen Police Academy may be incorporated into this course.

Public Safety Telecommunications (911 Operator)

Semester—Grades: 12—Credit: ½

Prerequisite: Law Enforcement I; Interview with Instructor

An application level course designed to provide students with the skills and knowledge needed to obtain national certification in PST and enable them to enter employment as a 911 Telecommunicator.

LPSS Internship

Semester—Grades: 12—Credit: ½

Prerequisite: Law Enforcement II

An application level course designed to provide LPSS students with opportunities to apply skills learned in the pathway to real-life situations in various LPSS careers.

Algebra I



Year—Grades: 9-10—Credit: 1

Prerequisite: None

Throughout Algebra I, students will continue to develop proficiency with the Common Core's eight standards of Mathematical Practice. Students will learn to connect patterns to functions, solve, graph, construct and interpret linear and exponential functions, model linear and exponential data graphs, solve and graph linear equations and inequalities including systems, recognize and construct sequences, and data distribution. Graphing calculators will be used periodically.

Geometry/Algebra I



Year—Grades: 9—Credit: 2

Prerequisite: Recommendation of 8th grade math teacher, Pre-Algebra or its equivalent, and SMI scores from 8th grade.

This course is designed for students who wish to accelerate their math classes and receive 2 math credits in one school year. Students would be in a double block math class that would meet every day, learning Geometry first semester and Algebra I second semester. This course will have the same objectives as Algebra I and Geometry as stated in the catalog.

Geometry/Algebra II

Year—Grades: 9—Credit: 2

Prerequisite: Recommendation of 8th grade math teacher, Algebra 1 or its equivalent, and SMI scores from 8th grade.

This course is designed for students who have already taken Algebra 1 in 8th grade and wish to accelerate their math classes and receive 2 math credits in one school year. Students would be in a double block math class that would meet every day, learning Geometry first semester and Algebra II second semester. This course will have the same objectives as Algebra II and Geometry as stated in the catalog. Repetition of Geometry or Algebra II for students who fail must be taken within the twilight or summer school mathematics program.

Geometry



Year—Grades: 10-12—Credit: 1

Prerequisite: Algebra I

Throughout geometry, students will continue to develop proficiency with the Common Core's eight standards of mathematical Practice. This course includes topics on transformations, congruence and similarity, constructions, conjecture, and proof, triangles, quadrilaterals, introduction to trigonometry, circles, 3-D figures, modeling and probability. Graphing calculators and computer software will be used periodically.

Algebra II



Year—Grades: 9-12—Credit: 1

Prerequisite: Geometry

Throughout Algebra II, students will continue to develop proficiency with the Common Core's eight standards of Mathematical Practice. Students will learn the complex number system, to solve, graph, construct, interpret, model, transform, and apply various polynomial functions including quadratic, rational, radical, exponential and logarithmic, and trigonometric functions. Topics also include the design of statistical studies and the normal distribution as a model for data. Graphing calculators will be used periodically.

Advanced Algebra II/III



Year—Grades: 10-11—Credit: 1

Prerequisite: B or better in Geometry with teacher recommendation

This course will have the same objectives as Algebra II while stressing "proofs" and "applications" and devoting more time and energy to the exercises in the "C" sections. The additional topics of Matrices, Determinants, Permutations, and Combinations would be presented. One would normally follow this course with Pre-Calculus.

Algebra III



Year—Grades: 10-12—Credit: 1

Prerequisite: Algebra II

Algebra III courses review and extend algebraic concepts for students who have already taken Algebra II. Course topics include (but are not limited to) operations with rational and irrational expressions, factoring of rational expressions, linear equations and inequalities, quadratic equations, solving systems of linear and quadratic equations, properties of higher degree equations, and operations with rational and irrational exponents. The courses may introduce topics in discrete math, elementary probability and statistics; matrices and determinants; and sequences and series.

Intermediate College Algebra (CCCC)



Semester—Grades: 11-12 —Credit: ½

Prerequisite: Algebra II and ACT math score of 18-21 or CCCC Placement Score

Topics covered will include Number Systems, Linear Equations and Inequalities, Systems of Linear Equations and Inequalities, Polynomials, Exponents, Rational Expressions, and Quadratic Equations. A scientific calculator is recommended. If students pay tuition and fees, they will earn 3 hours CCCC post-secondary credit.

MATHEMATICS

College Algebra (CCCC)



Semester—Grades: 11-12—Credit: ½

Prerequisite: C or better in Algebra II and Intermediate College Algebra or an ACT math score of 22-23 or CCCC Placement Score

This course reviews standard topics of algebra. A student will cover: linear and quadratic equations; graphing linear, quadratic, rational, logarithmic and exponential functions; functional notation; systems of equations; matrix algebra; and determinants. A graphing calculator will be required. If students pay tuition, fees, and textbooks, they will earn 3 hours CCCC post-secondary credit.

Trigonometry



Semester—Grades: 11-12—Credit: ½

Prerequisite: Geometry and Algebra II

This course in analytic trigonometry will include a study of trigonometric functions, solutions to right and oblique triangles, trigonometric identities, circular functions, velocity, inverse functions, even and odd functions, and graphs of trigonometric functions. If time allows, solutions of trigonometric equations and vectors will be taught. Algebraic reviews will be generated to enhance the learning of trigonometry. Also included will be application problems involving the world of work. A scientific calculator is required. A graphing calculator will also be used but will be provided to the student when needed.

College Trigonometry (CCCC)



Semester (Spring)—Grades: 11-12—Credit: ½

Prerequisite: C or better in College Algebra or ACT Math score of 24+ or CCCC Placement Score

This course is a study of trigonometric functions, solutions to right and oblique triangles, trigonometric identities, inverse functions and graphs of trigonometric functions. A graphing calculator will be required. If students pay tuition, fees, and textbooks, they will earn 3 hours CCCC post-secondary credit.

Pre-AP Pre-Calculus with Trigonometry

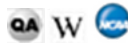


Year—Grades: 11-12—Credit: 1

Prerequisite: C or better in Advanced Algebra II/III or Instructor Permission

This course will consist of all the topics presented in the one-semester course of trigonometry in much more detail and with added emphasis on formal proof. Other topics will include symbolic logic, proof by mathematical induction, abstract math systems, exponential and logarithmic functions, and topics from analytic geometry. A scientific calculator will be required.

Calculus



Year—Grades: 11-12—Credit: 1

Prerequisite: Passing grade in Pre-Calculus or C or better in College Algebra and Trigonometry (or College Trig).

This course will consist of a short review of Pre-Calculus topics and then progress to the study of the main Calculus topics for a first semester college equivalent course: limits, derivatives, applications of the derivative, integrals, applications of the integral and transcendental and inverse functions. Students will learn how to use a graphing utility for calculator based problems.

AP Calculus AB



Year—Grades: 11-12—Credit: 1

Prerequisite: Pre-calculus or College Algebra and College Trigonometry with Instructor Permission

Students enrolled in this course will be prepared to take the Advanced Placement AB Calculus exam and earn college credit. The topics covered include limits, continuity, derivatives and integrals of algebraic, trigonometric and transcendental functions, applications of differentiation and integration and elementary differential equations. Students will also learn how to use a graphing utility for calculator based problem solving. Course guidelines, as set forth by the College Board, will be closely followed.

AP Calculus BC



Year—Grades: 12—Credit: 1

Prerequisite: AP Calculus AB or equivalent high school Calculus course

Students enrolled in this course will be prepared to take the Advanced Placement BC Calculus exam and earn college credit. The topics covered include a review of all topics from the AP Calculus AB course as well as techniques of integration, differential equations and applications, slope fields, sequences, Taylor and MacLaurin series, and parametric, polar and vector-valued functions in Calculus contexts. Students will refine their skills with graphing utilities for calculator based problem solving. Course guidelines, as set forth by the College Board, will be closely followed.

Business Math with Algebra



Year—Grades: 11-12—Credit: 1

Prerequisite: Algebra II

This course offers the students math skills needed for business and personal applications. Applications include bank records, purchasing and pricing merchandise, payroll, taxes, insurance, consumer credit, and interest

that develop critical thinking skills will be introduced. Skills necessary to stay out of debt and grow wealth are covered in depth with applications in investing and the stock market.

Probability & Statistics



Year—Grades: 11-12—Credit: ½

Prerequisite: Algebra II

Those students who are college bound either in mathematics, science, or other areas such as business, economics, psychology, education, biology, medicine, and sociology will benefit from this course. Topics covered include types of data, frequency distributions, measures of location and variation, permutations, combinations, mathematical expectation, rules of probability, and types of probability distributions. A scientific calculator is needed.

AP Statistics



Year—Grades: 11-12—Credit: 1

Prerequisite: Algebra II

Statistics concerns the collection, organization, and interpretation of data. In AP Statistics, students interpret the output generated by statistical software programs.

This two-semester course presents the following topics, among others: organizing data, examining relationships, producing data, probability, random variables, binomial and geometric distributions, sampling distributions, and inference. This course prepares students to take the Advanced Placement Statistics Exam. Students who enroll in AP Statistics must have access to a computer equipped with software capable of doing data analysis. In addition, one of the following Texas Instruments calculators is required: TI-83, TI-83+, TI-84, TI-84+, or TI-89.

NATURAL SCIENCE

Physical Science



Year—Grades: 9—Credit: 1

Prerequisite: None

Physical Science is a year-long course focusing on physics and general chemistry. In physics students will learn about motion, forces, matter, and energy. In chemistry students will learn about matter, its composition and the changes it undergoes. Students will explore many different topics pertaining to physics and chemistry including: effects of forces, transformations of energy, structure of matter, behaviors of matter and the properties pertaining to the changes in matter.

General Chemistry



Year—Grades: 10-12—Credit: 1

Prerequisite: Physical Science

This course will aim to be a tool by which students can learn to understand the methods of scientific inquiry and gain an appreciation and understanding of chemistry concepts. The basic concepts of chemistry including atomic structure, the periodic table and periodic law, bonding, types of reactions, organic chemistry and energy of reactions will be addressed in this course. This course does not qualify as a prerequisite for AP Chemistry.

Chemistry I



Year—Grades: 10-12—Credit: 1

Prerequisite: C or better in Physical Science and Algebra II or concurrent enrollment, 10th graders may enroll with teacher recommendation

This course is a college preparatory course which covers a logical sequential development of major chemistry principles and its relevance to society. Lecture and laboratory topics include structure of the atom, Periodic Law, bonds, types of reactions and energy involved in chemical reactions, and stoichiometry. This course involves problem-solving and mathematical reasoning.

AP Chemistry



Year—Grades: 11-12—Credit: 1

Prerequisite: B or better in Chemistry I. General Chemistry will NOT satisfy the prerequisite for this course; General Chemistry with teacher recommendation

Advanced Placement Chemistry is a second-year chemistry course designed to meet the needs of advanced science-oriented students. This course is roughly equivalent to a college freshman general inorganic chemistry and gives students who seek credit and/or appropriate placement in college chemistry

courses by passing the AP Chemistry Exam. Students are expected to be self-directed as it requires approximately 6 hours of independent study at home every week. Emphasis is on stoichiometry, energy, molecular orbital theory, solutions chemistry, acids and bases, equilibrium, kinetics/rate laws, thermochemistry, and electrochemistry. The course includes an introduction to organic chemistry. Students are engaged in hands-on laboratory work, integrated throughout the course.

AP Physics I



Year—Grades: 10-12—Credit: 1

Prerequisite: Geometry or concurrent Algebra II or equivalent course.

AP Physics I is an algebra based, introductory college level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore these topics: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, torque and rotation motion, electric charge and electric force, DC circuits, and mechanical waves and sounds.

Astronomy



Semester—Grades: 10-12—Credit: ½

Prerequisite: Physical Science

Astronomy provides students with an in-depth exploration of the universe. Topics include historical and technological contributions to astronomy, observational techniques, theoretical origins of the universe and its evolution, formation and evolution of interstellar objects, space exploration, universal laws of motion and interrelationships between astronomical bodies, instructional methods include lecture and demonstrations, labs, classroom activities, and group work.

Geology



Semester—Grades: 10-12—Credit: ½

Prerequisite: Physical Science

Geology students study the physical and historical processes of the earth. They learn the geologic processes of volcanism, earthquakes, plate tectonics, hydrology, the rock cycle and soil formation. There is an emphasis on the effect of geologic processes on society. Instructional methods include lecture and demonstrations, labs, classroom activities, and group work.

NATURAL SCIENCE

BIOLOGICAL SCIENCES

Biology



Year—Grades: 10-12—Credit: 1

Prerequisite: Physical Science

This course is designed to help students learn the principles of biology through active involvement. The students will focus on the following unifying themes of biology: Evolution, Homeostasis, Cellular Function, Genetics, and Ecology. The instructional model used will incorporate activities designed to engage students, while encouraging them to explore, explain, elaborate, and evaluate. Students will be given opportunities to conduct laboratory investigations designed to foster scientific thinking. There will be an emphasis on the connections between biological concepts and real life applications.

Pre-AP Biology



Year—Grades: 10—Credit: 1

Prerequisite: C or better in Geometry/Algebra and earned a B or better in Physical Science or teacher recommendation for the Science Component.

This course will provide students with a fundamental understanding of modern biology and scientific processes, building a foundation of success in the college level AP courses to follow. Course material will include the chemistry of life, evolution and genetics and interactions between organisms and populations. Pre-AP Biology is recommended for high-achieving students and for students who have particular interest in biology and the natural sciences. The Pre-AP curriculum examines topics with more depth and includes more advanced resource material in addition to the adopted text. Labs are more sophisticated than in the regular curriculum and students are expected to design and carry out experiments using appropriate methods and resources.

Biotechnology I



Year—Grades: 10-12—Credit: 1

Prerequisite: Biology, or concurrent enrollment with teacher recommendation

Biotechnology 1 is the first-year course of the Junction City High School Biotechnology Program. Biotechnology 1 is designed to give students an introduction to the scientific concepts and laboratory research techniques currently used in the field of biotechnology.

Students will develop laboratory skills, critical thinking, and communication skills currently used in the biotechnology industry.

Biotechnology II



Year—Grades: 11-12—Credit: 1

Prerequisite: B or better in Biotechnology I

Biotechnology II is designed to give students knowledge of advanced scientific concepts and laboratory research techniques currently used in the field of biotechnology; specifically, in the areas of pharmaceuticals, Agriculture, and genomics. Students will develop laboratory skills, critical thinking, and communication skills currently used in the biotechnology industry. Students will also be prepared for career opportunities in the field of biotechnology.

Human Anatomy and Physiology



Year —Grades: 11-12—Credit: 1

Prerequisites: Biology and Chemistry or concurrent enrollment

This is a weighted course for students who have a sincere interest in understanding the complex workings of the human body. Human Anatomy and Physiology is a fast paced and detailed study of the structures and functions of the human body. In this course, principles of anatomy and physiology are introduced, and concepts in biochemistry, cytology, and histology are studied and applied to systems of the body. Cat dissection is an important part of the teaching/learning process during this course. *This course will be especially helpful to students planning post-secondary work toward careers related to science and health.

AP Biology



Year—Grades: 11-12—Credit: 1

Prerequisite: B or better in Chemistry I and Biology

AP Biology is designed to be the equivalent of a year-long college introductory biology course. Enrolling in AP Biology means that you have undertaken a personal responsibility to work hard by taking notes, reading and studying materials in and outside of class and completing meticulous laboratory work while managing your time to keep up with a rigorous curriculum.

The two main goals of AP Biology are to help students develop a conceptual framework for modern biology and to help students gain an appreciation of science as a process. Primary emphasis in an AP Biology course should be on developing an understanding of concepts rather than on memorizing terms and technical details.

PHYSICAL EDUCATION

Physical Education students will be limited to one PE class per day

PE 1: Physical Dimensions

Semester—Grades: 9-12—Credit: ½

Prerequisite: None

This coed course is primarily for 9th and 10th grade students and is designed to provide young adults with the knowledge and skills needed to engage in a physically active, healthy lifestyle throughout life. This course addresses the importance of physical activity among young adults and instills in students the concept that living life actively and dynamically is vital to a healthy lifestyle.

Health

Semester—Grades: 9-12—Credit: ½

Prerequisite: None

Health is the study of the general condition of the human body. The class is designed to give students an overview of the wellness, managing stress, health related fitness, exercise, nutrition, alcohol, drugs, human sexuality and HIV/AIDS education.

Beginning Athletic Strength and Conditioning

Semester—Grades: 9—Credit: ½

Prerequisite: None

This class is designed for the beginning athlete serious about enhancing their physical abilities. Emphasis is on strength, power, quickness, speed, flexibility, and speed endurance development. Resistance work in the weight room, agility drills, and speed enhancement drills will be used. This class may be repeated with a completion of a B or above and/or Instructors permission. One class per semester.

Advanced Athletic Strength and Conditioning

Semester—Grades: 9-12—Credit: 1

Prerequisite: Instructor permission; Participation in at least one high school sport

This class is designed for the athlete most serious about enhancing their physical abilities. Major emphasis is on speed and agility development. This is accomplished through strength and power resistance work in the weight room, advanced agility drills, advanced upper and lower body polymetric and speed enhancement drills will be used. This class may be repeated with a completion of a B or above or instructor's permission. One class per semester.

Athletic Strength and Conditioning

Semester—Grades: 9-12—Credit: ½

Prerequisite: Instructor permission; Participation in at least one high school sport

This class is designed for the athlete serious about enhancing their physical abilities. Emphasis is on strength, power, quickness, speed, flexibility, and speed endurance development. Resistance work in the weight room, agility drills, and speed enhancement drills will be used. This class may be repeated with a completion of a B or above and/or Instructors permission. One class per semester.

Recreational Strength and Conditioning

Semester—Grades: 10-12—Credit: ½

Prerequisite: None

This coed class is designed for the student interested in strength and conditioning as a life time activity. It is an introduction of the basic techniques of resistance training. Strength, power, flexibility, and endurance development will be emphasized in this class. This class may be repeated with a grade of a C or better. One class per semester.

PE 2: Lifetime Fitness

Semester—Grades: 10-12—Credit: ½

Prerequisite: None; graduation credit for transferring students

In this coed class, students participate in lifetime exercises activities. Activities will include, but are not limited to, aerobics, orienteering, nutrition, Pilates, yoga, and learn about individual, dual and team sports such as bowling, badminton, tennis, golf, basketball, volleyball, flag football, and other gym games. Class activities will also include Aerobic activity, i.e. running, rope jumping, and dynamic movements, this class may be repeated with passing grade. One semester. ***This course replaces Aerobic Fitness and Individual/Dual/Team Sports.**

***Officiating Team Sports**

Semester—Grades: 10-12—Credit: ½

Prerequisite: None

The primary objective of this course is to teach the fundamentals, mechanics and rules of different team sports as well as being active in physically learning the sport. The sports included will be football, volleyball, and basketball in the fall semester and basketball, baseball, soccer, and softball in the spring semester. The KSHSAA rule book will be used and the required open book test will be taken for each sport. Upon completion of this class each student should be prepared to take certifying KSHSAA official exams and will be capable of officiating youth league, middle school level and high school level contests.

SOCIAL SCIENCES

World Geography



Year—Grade: 9—Credit: 1

Prerequisite: None

World Geography is the study of People and their Environment. Students will study the cultures of the World in order to better understand it. They will study the following regions: Latin America, Europe, Africa, the Middle East, Southern Asia, East Asia, and Australia. They will learn to know where places are located, recognize descriptions of places, and study the movement of people, places, and things around the world. In this course students will learn to use computers & the internet for research & projects.

World History

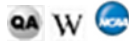


Year—Grade: 10—Credit: 1

Prerequisite: None

World History is a survey of the history of the world from the rise of civilization to today. It is the study of the impact of politics, society, the economy, religion, and the arts. Students will study the impact of individuals and groups on history. They will understand how important ideas and events have changed history.

Pre-AP World History



Year—Grade 10—Credit: 1

Prerequisite: Honors English I or Instructor permission

Advanced World History is designed to prepare students for Advanced Placement History and Social Studies Courses by teaching them the reading, writing, and discussion skills necessary to succeed at the College Board Level. Students will analyze primary and secondary sources as they study the history of the world from the 15th through the 20th century. Students should be willing to do extensive reading and writing using advanced materials. This course is a part of the Pre-AP Initiative designed to engage students in active, high-level learning, thereby ensuring they develop the skills, habits of mind, and concepts they need to succeed in college. This class will become a prerequisite for enrollment in Advanced Placement United States History. This course meets local and state standards for World History. This course will conform to standards set by the College Board for its Pre-AP Initiative.

United States History



Year—Grade: 11—Credit: 1

Prerequisite: None

This course helps students interpret the study of America's past. Students study America's past to learn about our nation's history and learn their responsibilities as active citizens. Emphasis will be placed on students understanding key historical concepts, the role individuals and groups play in history, turning points, and cause and effect relationships.

AP United States History



Year—Grades: 11—Credit: 1

Prerequisite: Pre-AP World History, Pre-AP English II or Instructor Permission

AP American History is an in-depth college level course designed to provide students with the analytical skills and factual knowledge necessary to deal critically with problems in American History. It covers American History from the Age of Discovery to the present. Students should be willing to do extensive reading, writing and research work using college level material. It is a requirement of the course that students in this class take the advanced placement exam. If a student receives a high score on their exam, they can earn 6 hours of college credit in addition to their high school history credit. Students may purchase some of their own texts so the books may be used for notes and kept.

United States Government



Year—Grade: 12—Credit: 1

Prerequisite: None

This course studies the Constitution with emphasis placed on the legislative and executive branches. The Electoral system is also covered. It challenges the student to look deeper into the study of politics and our Constitution. This practical course stresses the government at the state and local levels. Emphasis is placed on the court system and foreign relations.

AP United States Government and Politics



Year—Grade: 12—Credit: 1

Prerequisite: AP US History, AP Language, or instructor permission

This year long course provides students with the opportunity to study the government of the United States as well as the opportunity to compare that government to other governments around the world. This is an in-depth college level Political Science course covering the workings of local, state, and national governments.

SOCIAL SCIENCES

Emphasis is placed upon acquiring skills in interpretation, analysis, comparison, research writing and comprehension. Much time will be spent in the analysis of case studies. This course provides an opportunity for a senior to earn his/her American Government credit in high school and possibly gain college credit. It is a requirement of the course that students enrolling take the advancement placement exam. The material used and the instruction given will be at a college level. Students may purchase some of their own texts so the books may be used for notes and kept.

Current Events



Semester—Grades: 10-12—Credit: ½

Prerequisite: None

This course is designed to help students understand and form opinions on the World, National, and Local news as well as the major events and current issues of the day. Students will be expected to keep up with the news through television, internet, or printed sources of the news. They will participate in class discussions and research current events issues. Students will learn to recognize bias, analyze diverse viewpoints, and interpret political cartoons. *This course may be repeated for credit.

Psychology



Semester—Grades: 11-12—Credit: ½

Prerequisite: None

This course is the study of human behavior. Areas of emphasis include: perception, learning, intelligence, consciousness, emotion, motivation and personality. Good participation, listening and note-taking skills are necessary.

Sociology



Semester—Grades: 11-12—Credit: ½

Prerequisite: None

This course is designed as an introduction to study of the structure and function of the human groups, particularly those which occur in contemporary industrialized cultures. The relationships between the individual and his society, culture and society, and social dynamics of intrusions are investigated. Students must pay for tuition, fees, and textbook. Students who successfully complete this course will earn 3 hours of CCCC post-secondary credit.

Business Economics

Semester—Grades: 10-12—Credit: ½

Prerequisite: Algebra I

Introduction to Economics is designed to prepare students for real world decision making participation in a global story economy. Students will study economic history and theory, and apply economic analysis to their own lives. They will utilize economic skills including market analysis, trend prediction, and game theory to explore the inner workings of both the US and international markets.

General Psychology (CCCC)



Semester—Grades: 11-12—Credit: ½

Prerequisite: None

This course is an introduction to the science of psychology with an emphasis on the principles which lead to a greater understanding of human behavior. Students must pay for tuition, fees, and textbook. Students who successfully complete this course will earn 3 hours of CCCC post-secondary credit.

Introduction to Sociology (CCCC)



Semester—Grades: 11-12—Credit: ½

Prerequisite: None

This is a study of the effect that groups have on individuals. Areas of emphasis include: norms, theory construction, culture and socialization. Topical areas of study include aging, crime, marriage and family, terrorism, and environment. Good participation, listening, and note-taking skills required.

STUDENT ASSISTANTS

*PLEASE NOTE: All student assistants should be academically well-qualified. Students who enroll as a teacher's assistant should have completed that course or be enrolled in a similar course. Students may enroll as a student assistant only once per semester.

Teacher's Assistant

Semester—Grades: 11-12—Credit: ½

Prerequisite: Teacher/Principal Approval

Teacher assistants support classroom teachers by helping them with clerical duties such as sorting, filing, stapling, and organizing materials, or possibly by running errands within the building. Applications to become a T.A. are available from the academy counselors. Interested students need to fill out the application, but final approval will be up to the individual teacher and to the academy principal.

Office Assistant/Counselor Assistant

Semester—Grades: 11-12—Credit: ½

Prerequisite: Counselor/Principal Approval

Office/Counselor Assistants support principals, counselors, academy leaders, and office secretaries by answering the telephone, greeting and helping parents and other adults who visit JCHS, conducting tours for new students, and delivering passes to classrooms. They also may be asked to help with clerical duties such as sorting, filing, stapling, and organizing materials. Students who wish to serve as Office/Counselor Assistants begin the process by talking to their academy counselor.

Media Center Assistant

Semester—Grades: 11-12—Credit: ½

Prerequisite: Librarian/Principal Approval

Media Center assistants manage the routine work of media center operation: checking materials in and out, re-shelving books, keeping the shelves in order, and helping students find materials. Media Center assistants must be able to work quietly, accurately, and diligently. Good attendance is essential. Interested students should see Mrs. Booth in the media center.

Apprenticeships

Semester (2 blocks)—Grades: 11-12—Credit: 1

Prerequisites: Teacher Permission

Apprenticeships support Junction City High School by having students learn a specific job site trade or skill from an instructor or administrator while on campus. The apprenticeship will serve as a work-based learning program so that our students understand the relationship between the information learned in school and the skills necessary to be successful in the work place.

Examples of areas that support an apprenticeship include: building communication responsibilities, sports

information director(s), TV production and promotion, and facilities management. Applications to become an apprentice are available from each Career Academy Counselor, but approval must be granted by the instructor or administrator. The apprenticeship is a daily responsibility in the student's schedule and must align to the student's chosen career pathway.

TECHNOLOGY EDUCATION

CAREER TECHNICAL EDUCATION

Career Cluster and Pathways Exploration

Semester—Grades: 9—Credit: ½

Prerequisite: None

Explore career pathway topics while engaging real-world skills of problem solving, teamwork and leadership skills in a team environment. Topics such as engineering, digital manufacturing, agri/biotechnology, aerospace, forensic science, healthcare/science, and intelligent systems may be addresses.

Introduction to Industrial Technology

Semester—Grades: 9-10—Credit: ½

Prerequisite: None

An introductory course designed to instruct students in the basic skills necessary for all occupations in the Architecture/Construction, Manufacturing, and Transportation and Logistics areas includes: basic safety; industrial math; use of hand/power tools; blueprint reading; communication skills; employability skills; 21st Century foundation skills; and materials handling in a process-oriented manner.

This course will lay the foundation for the Construction, Manufacturing & Transportation pathway in the Career Academy.

Technical Work Experience

Year—Grades: 11-12—Credit: Variable

Prerequisite: Advanced Class in Technical Education

This is an educational opportunity designed for the advanced student that has a vocational interest he/she wishes to pursue. The student may have the opportunity to work in the area of interest with a professional at a business. Class would also be held part time to discuss job related skills need to succeed.

Project Management and Resource Scheduling

Semester (2 Blocks)—Grades: 11-12—Credit: 1

Prerequisite: Instructor Permission

Project Management and Resource Scheduling provides students with the information and skills necessary for success in planning, implementing and managing projects. It is designed to take students beyond the day to day classroom and provide the student with career based opportunities based on their pathway focus. This course covers project conception through project completion. It includes resource scheduling of personnel, budget, workloads, timelines, resources, technology, tracking and monitoring, and evaluation. This is an application level course for students who are concentrating in the A/V Communication Pathway, the Health Science Pathway, STEM Pathway and Web and Digital Design Pathway, but it is not limited to those students. Any student that meets

the prerequisite regardless of their focused pathway are eligible to enroll in this course.

WELDING PROGRAM

Blueprint Reading for Welding and Production

Semester—Grades: 10-12—Credit: ½

Prerequisite: None

An introductory level course that will introduce students to the various types of blueprints utilized in the manufacturing industry. Emphasis will be placed on welding blueprints and symbols, as well as interpretation of various drawings. Students will learn precision and working measurement methods and interpretation for both Metric and SAE systems.

Welding I

Semester—Grades: 10-12—Credit: ½

Prerequisite: Intro to Industrial Technology or Technical Drafting I or Blueprints for Welders

This course provides the exploration of metal working and joining. Students will study the occupations through use of a textbook and visiting related sites on field trips. Textbook studies are reinforced with hands on activities of sheet metal work, threading, sand casting, use of hand tools, shop machines, (OAW) Oxy-Acetylene welding, (SMAW) Shielded Metal Arc Welding, (GMAW) Gas Metal Arc Welding, (OAC) Oxy-Acetylene Cutting, and (PAC) Plasma Arc cutting. Activities are conducted in a teamwork environment. Students are required to purchase a pair of safety glasses for the course.

Welding II

Semester—Grades: 11-12—Credit: ½

Prerequisite: Welding I

This course provides the study and hands on skills in joining metal. Related areas covered are tool and equipment safety, theory of the welding processes, equipment set-up, corrective actions on identified welding problems, operation of metal shop equipment, basic welding skills and print reading. Hands on activities include Plasma Arc Cutting (PAC), Oxy-Acetylene Cutting (OAC), and building weld pads and weld joints in Oxy-Acetylene Welding (OAW), Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), and Gas Tungsten Arc Welding (GTAW). Activities are conducted in a teamwork environment. Leadership skills are introduced through Skills USA a student vocational organization. This course is the prerequisite for Welding 3. Students are required to purchase a pair of safety glasses for the course.

TECHNOLOGY EDUCATION

Welding III

Semester—Grades: 11-12—Credit: ½

Prerequisite: Welding II

This course provides the study and hands on skills in joining metal. Related areas covered are tool and equipment safety, theory of the welding processes, equipment set-up, corrective actions on identified welding problems, operation of metal shop equipment, welder certification which conforms to American Welding D1.1 welding code and print reading. Hands on activities include Plasma Arc Cutting (PAC), Oxy-Acetylene Cutting (OAC), and performing certification tests and weld joints in Oxy-Acetylene Welding (OAW), Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), and Gas Tungsten Arc Welding (GTAW).

Activities are conducted in a teamwork environment. Leadership skills are introduced through Skills USA, a student vocational organization. The prerequisite for this course is Welding 2. Students are required to purchase a pair of safety glasses for the course.

DRAFTING AND DESIGN PROGRAM

Introduction to Engineering Design

Year—Grades: 9-12—Credit: 1

Prerequisite: None

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects like designing a new toy or improving an existing product. They work both individually and in teams to design solutions to a variety of problems using 3-D modeling software, and use an engineering notebook to document their work.

Technical Drafting I

Semester—Grades: 10-12—Credit: ½

Prerequisite: None

This is a course of mechanical drawing designed to give a basic understanding of all areas of drafting and to develop basic drafting skill. CAD (computer aided drafting and design) will be introduced and used.

Architectural Drafting I

Semester—Grades: 10-12—Credit: ½

Prerequisite: C or better in Technical Drafting I

This course is designed for students to earn fundamental skills and concepts necessary for architectural planning, designing, and drawing. Students will learn to prepare architectural drawings that will be effectively and accurately communicate ideas and designs to clients, contractors, and construction personnel. CAD procedures will be used for drawing and presentations.

Architectural Drafting II

Semester—Grades: 11-12—Credit: ½

Prerequisite: C or better in Architectural Drafting I

This course is designed for students to earn fundamental skills and concepts necessary for architectural planning, designing, and drawing. Students will learn to prepare architectural drawings that will effectively and accurately communicate ideas and designs to clients, contractors, and construction personnel. Advance CAD procedures will be used for drawing, presentations, and design applications.

Mechanical Drafting I

Semester—Grades: 11-12—Credit: ½

Prerequisite: C or better in Tech Drafting I

This is a course of advanced mechanical drawing designed to continue development of drafting skills and procedures used on more complex drawings. Drawings will be produced by use of the CAD (computer aided drafting) system.

Mechanical Drafting II

Semester—Grades: 10-12—Credit: ½

Prerequisite: C or better in Mechanical Drafting I

This is a course study to learn the design of machine parts and the drawings used for manufacturing. Formulas and writing of specifications will be taught. The relationship of CAD/CAM procedures will be discussed. CAD procedures will be used for drawings, presentations, and design applications. 3-D CAD will be introduced and used for some applications.

Robotics I

Semester—Grades: 10-12—Credit: ½

Prerequisite: None

Robotics is an eclectic mix of applied physics and mathematics, computer science, mechanics, engineering design, critical thinking, and problem solving – all combined into hands-on performance-based activities. Students learn technological literacy by engaging with computers, sensors, and electrical-mechanical actuators. Topics covered are lab safety, engineering-design process, technological impacts on society and ethics, careers in robotics, project planning, introduction to programming, basic behaviors, movement, and sensors.

Robotics II

Semester—Grades: 10-12—Credit: ½

Prerequisite: C or better in Robotics I

Robotics II is a continuation of the fundamental STEM principals found in Robotics I. Students will solve engineering problems using advanced programming and mechanical engineering principals. Students will

TECHNOLOGY EDUCATION

mechanically modify and trouble-shoot the robots to explore speed, power, torque, gear train design, and principals of simple machines. Students will learn to program their robots autonomously and through joystick control using while loops, if/else statements, variables, functions, and parameters, and additional sensors.

Engineering Design and Development – Advanced Robotics

Semester—Grades: 11-12—Credit: 1

Prerequisite: C or better in Robotics II and Tech Drafting

This course is designed to draw on then extend previously learned programming and mechanical engineering skills from Robotics I and II in order to research, design, build, test, and compete with a robot solves the current years' national VEX robotics competition. Using VEX EDR equipment and the RobotC program, focus is placed on independent study and research, group collaboration, design documentation, competition programming, advanced mechanics, drivetrain, lifting mechanisms, and end-effector design. Students will travel and compete against other schools – requiring some compromise of personal time outside of normal-class hours.

CONSTRUCTION PROGRAM

Architectural Home Maintenance

Semester—Grades: 10-12—Credit: ½

Prerequisites: None

This class is designed to prepare the student for future home ownership. It will provide some of the basics in home repair and maintenance that will be part of owning a home. Topics to be covered in the class would include plumbing, electrical, HVAC, and other misc. home Improvement and repair procedures. This class is a good chance to learn about some of the systems that make a house function and will include many hands on activities so you can experience the processes covered in the class.

Architectural Construction Framing

Semester (2 blocks, Fall)—Grades:10-12—Credit: 1

Prerequisites: C or better in Introduction to Industrial Tech or Teacher Permission

This is a course designed for a person with an interest in architecture and/or construction. Topics covered in this class will include building materials, safety, hand and machine tool use, and basic construction processes. The main class activity will include the beginning construction of the project house for the school year. Activities will include framing walls, installing trusses, enclosing roof and walls, roofing, and exterior window and door

placement. This class will be responsible for getting the house weather tight before the end of the semester.

Architectural Construction Finishing

Semester (2 blocks, Spring)—Grades: 10-12

Credit: 1

Prerequisites: C or better in Introduction to Industrial Tech or Teacher Permission

This is a course designed for a person with an interest in architecture and/or construction. Topics covered in this class will include building materials, safety, hand and machine tool use, and basic construction processes. The main class activity will include the completion of the of the project house for the school year. Activities will include interior and exterior wall finish, cabinet installation, house trim, and flooring. It is the responsibility of this class to complete the house so it is ready to be sold at the end of the year.

Architectural Cabinetmaking

Semester (Spring)—Grades: 10-12—Credit: ½

Prerequisites: C or better in Technical Drafting I

This class is designed for the student with an interest in finished cabinetry used in modern construction. Topics covered in this class include safety, hand tool use, machine tool use, and various materials used in cabinet and wood construction. Various cabinet construction methods will be discussed as well as planning and completion of the cabinets and trim to be used in the house being constructed in by the Architectural construction process class.

AUTOMOTIVE TECHNOLOGY PROGRAM

Automotive Technology I

Semester—Grades: 10-12—Credit: ½

Prerequisite: B or better in Algebra I

Automotive Technology I is an entry-level course for students entering the automotive program of study. It is designed to enable students to maintain their own vehicles and perform minor adjustments and repairs. Automotive Technology I will make students better consumers for purchasing, driving, and maintaining automobiles. The systems covered in Automotive Technology I are cooling, lubrication, electrical, fuel, brakes, tires, and suspension with shop safety emphasized in all situations. Class time will be approximately 60 percent class work and 40 percent shop work. A basic understanding of mathematics, chemistry, and physics is a must for success. Students should have access to an automobile to work on. Students are required to purchase a pair of safety glasses for the course.

Automotive Technology II

Semester (2 blocks)—Grades: 11-12—Credit: 1

Prerequisite: C or better in Automotive Technology I

This course is designed for students preparing for careers in automotive or related mechanical fields. Electricity and electronics will be stressed throughout the course as a foundation for diagnosis and trouble shooting. Limited major repairs, drivetrains, brakes, suspension and steering systems, air conditioning, and manual and automatic transmission systems will be covered, with emphasis placed on testing and repair. Students will use technical manuals and computer supported data to complete repair orders on a regular basis. Class time will be approximately 30 percent class work and 70 percent shop work. Students should have access to an automobile to work on. Students are required to purchase a pair of safety glasses and pass an online safety test for the course.

Automotive Technology III

Semester (2 blocks)—Grades: 11-12—Credit: 1

Prerequisite: C or better in Automotive Technology II

This course is designed for students preparing for careers in automotive or related mechanical fields. Electricity and electronics will be stressed throughout the course as a foundation for diagnosis and trouble shooting. Limited major repairs, ignition systems, fuel systems, emission control systems, computerized engine controls and engine reconditioning and rebuilding will be covered, with emphasis placed on testing and repair. Students will use technical manuals and computer supported data to complete repair orders on a regular basis. Class time will be approximately 30 percent class work and 70 percent shop work. Students should have access to an automobile to work on. Students are required to purchase a pair of safety glasses and pass an online safety test for the course.

WORLD LANGUAGES

College bound students are strongly encouraged to take a world language course for at least two years, especially if you are interested in the following careers: theater, music, art, mass communication (TV, radio, journalism), business, social work, education, and others that require a Bachelor of Arts degree. Many areas requiring a Bachelor of Science degree, such as science and computers, also require language study. Most Regent universities in Kansas offer retroactive credit for foreign language that students “test out.” This means that you have the opportunity to skip lower levels of language in college, but still receive credit for them without paying for that credit. As a result, it is recommended that you take as many years of the same language as you can in high school.

French I



Year—Grades: 9-12—Credits: 1

Prerequisite: None

French I students will learn the basics of the French language during this year of study. Listening comprehension, speaking, reading, and writing skills in the target language will be acquired by students. Students will participate in games, songs, small group activities, and skits. Students will study the cultural customs and the heritage of France and Francophone cultures. Grades will be based on written and oral assessments, class participation, and individual progress.

French II



Year—Grades: 9-12—Credit: 1

Prerequisite: C or better in French I or Instructor Permission

In French II students will continue to build listening comprehension, speaking, reading, and writing skills. A thorough review of vocabulary and language structures learned in French I will take place throughout the school year as students build on already acquired skills. Students will continue learning about Francophone cultures and lifestyles. Students will participate in games, songs, small group activities, and skits. Grades will be based on written and oral assessments, class participation, and individual progress.

French III



Year—Grades: 10-12—Credit: 1

Prerequisite: C or better in French II or Instructor Permission

French III is a more intensive study of the language. Students will continue to acquire language through listening comprehension, speaking, reading and writing skills. Students will read and discuss short stories and

poetry as well as excerpts from literary sources and current event publications from France and other Francophone cultures. The student will be graded on class participation, written and oral assessments, and interpretations of authentic literature, films, and songs. This course prepares students to enter the second or third semester of college French.

French IV



Year—Grade: 10-12—Credit: 1

Prerequisites: C or better in French III or Instructor Permission

French IV represents college-level learning. It provides an opportunity for the student to apply the language acquired in the first three years of French to the study of literature, poetry, films and current event publications from France and other Francophone cultures. The student will be graded on class participation, written and oral assessments, and interpretations of authentic literature, films and songs. This course prepares students to enter the third or fourth semester of college French.

German I



Year—Grades: 9-12—Credit: 1

Prerequisite: None

Students in this course will learn listening, speaking, reading, writing, and culture skills for real life situations. German I focuses on obtaining a basic knowledge of daily life, the cultures, and the written and spoken language of these countries. At the end of the first six weeks, students will be able to write stories for others to act out! Students will be graded on class participation, written and oral test results, and most importantly, on individual improvement. NOTE: Independent Study is NOT possible at this level. Placement testing is recommended for students with previous knowledge of German.

German II



Year—Grades: 9-12—Credit: 1

Prerequisite: C or better in German I or Instructor Permission

Students will increase their general and specific knowledge of the customs and language of the German speaking peoples. Understanding, speaking, reading, and writing skills will be strengthened and broadened. Students will continue writing stories for themselves and others to act out. Students will be graded on class participation, written and oral test results, and individual improvement. Students will take the National Exam in Jan. NOTE: Independent Study is NOT possible at this level.

WORLD LANGUAGES

German III



Year—Grades: 9-12—Credit: 1

Prerequisite: C or better in German II or Instructor Permission

Students will review the vocabulary and grammar learned in German II and will continue to improve correct listening, speaking, reading, and writing skills. Students will continue writing stories for themselves and others to act out. This course can prepare students to enter the second or third semester of college German. Students will take the National Exam in Jan. Note: Independent Study is possible at this level. Placement will be determined by testing and teacher evaluation.

German IV



Year—Grades: 9-12—Credit: 1

Prerequisite: C or better in German III or Instructor Permission

Students will continue to improve their skills in German with more and more authentic materials. Students will continue writing stories for themselves and others to act out. This course prepares student to enter the third or fourth semester of college German. Students will take the National Exam in Jan. NOTE: Independent study is possible at this level. Placement will be determined by testing and teacher evaluation.

Spanish I



Year—Grades: 9-12—Credit: 1

Prerequisite: None

Spanish I is designed to encompass the areas of reading, writing, and listening comprehension, as well as speaking Spanish. Students are graded on written and oral work, as well as class participation. Class participation is essential in truly understanding the language. Students will also be graded on a number of authentic assessments including projects and performances. Students will also learn about Hispanic culture and customs. Placement tests will be given at the beginning of the year and students with Spanish experiences will be placed accordingly. Placement testing is required for those students already able to read and/or write Spanish.

Spanish II



Year—Grades: 9-12—Credit: 1

Prerequisite: C or better in Spanish I or Instructor Permission

Spanish II is designed for students with prior Spanish experience. Students will develop basic language skills and cultural awareness to function in everyday situations

in Spanish-speaking communities. Students will be graded on class participation, written and oral performance assessments and individual improvement. This class is conducted in Spanish with practice in speaking, listening, reading, and writing.

Spanish III



Year—Grades: 9-12—Credit: 1

Prerequisite: C or better in Spanish II or Instructor Permission

This course enhances skills in reading and analysis to develop novice high proficiency in Spanish. Grammatical structures are presented in context through literary and informational texts and media to promote cultural awareness. Students will be graded on class participation, written and oral performance assessments and individual improvement. This class is conducted in Spanish with practice in listening, reading, speaking and writing.

Spanish IV



Year—Grades: 9-12—Credit: 1

Prerequisite: C or better in Spanish III or Instructor Permission

This course is designed to bridge students to more advanced language, culture and literature study at the college level and draws upon knowledge studied in previous levels. Grammatical structures are studied in context through literary and informational materials. Practice in researching and presenting the history and cultures of Spanish-speaking countries enhances communicative skills. Students will be graded on class participation, written and oral performance assessments and individual improvement. Class is conducted in Spanish.

Spanish for Heritage Learners



Year—Grades: 9-12—Credit: 1

Prerequisite: Spanish spoken as the home language, instructor permission, or score of 400 on Webcape exam.

This class focuses on improved academic speaking, listening, reading, and writing skills in Spanish. Through culturally acclaimed short stories, dramas, and expository texts students review grammatical structure and build on writing skills, while expanding cultural awareness. In addition, students develop positive attitudes by gaining a better understanding of their heritage language and identity. This class is conducted in Spanish.

SPECIAL EDUCATION

These courses are offered to students 9-12 who have been eligible for services under IDEA guidelines and receive those services through an Individualized Education Plan (IEP).

Functional Living Skills Classroom (FLS): Students recommended for FLS classes have an identified disability or multiple disabilities that significantly impact intellectual functioning and adaptive behavior essential for someone to live independently and to function safely in daily life. Classes are geared toward post-school life of supported employment and semi-independent to dependent living arrangements. **Classes offered:**

Functional Independent Living

Grade: 9-12—Credit: 1

Prerequisites: Enrollment permission required

This course is designed to focus on daily living skills at the functional level. Students will focus on self-help skills such as: laundry, cooking, table setting, grooming, following instructions, and demonstration of knowledge of personal information.

Functional English I-IV

Grade: 9-12—Credit: 1

Prerequisites: Enrollment permission required

This course is built upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and includes the four aspects of language use: reading, writing, speaking, and listening at the students' individual level.

Functional I Math I-IV

Grade: 9-12—Credit: 1

Prerequisites: Enrollment permission required

This course emphasizes number operation and quantitative reasoning patterns; patterns, relationships, and algebraic thinking; geometry and spatial reasoning; and measurement. This course requires students to improve their numerical fluency in and solve problems using addition, subtraction, money, time, and measurement at the students' individual level.

Functional History I-III

Grade: 10-12

Credit: World History–1, U.S. History–1 U.S.

Government–1

Prerequisites: Enrollment permissions required

This course explores the world history and the history of the United States. This course also explores government and economic topics at each student's individual ability level.

Functional Science I-III

Grade: 9-12

Credits: Physical Science–1, Biology–1, Science Elective I

Prerequisites: Enrollment permission required

These classes are on a rotation basis with Physical Science, Life Science and Space/Earth Science. The Physical Science portion explores fundamental forces of nature. The Life Science portion is designed to help students learn and make connections between biological concepts and real life applications. The Earth science portion is intended to give the student a better understanding of the planet and the forces of nature at work in our planet. The Space Science portion is designed to teach the student about the universe, the solar system, the moon and the sun.

Functional Reading I-IV

Grade: 9-12—Credit: 1

Prerequisites: Enrollment permission required

This course will focus on improving a students' on reading, letter recognition, phonics, and vocabulary at each student's individual ability level.

Functional Pre-Vocational Training

Grade: 9-10—Credit: ½ or 1

Prerequisites: No job experience, enrollment permission required

This class is designed for FLS students. In this class students are helped to develop job skills that will be beneficial in the workforce and in selecting a career. Students will be able to select a career based on realistic expectations, career research, occupational assessment and self-evaluation. Students will learn key workplace skills such as work ethics, responsible conduct, self-management skills, finance management, decision making process, leadership skills and integrity. In addition to this, students will build skills in reading, vocabulary, memory techniques, oral presentation, interpersonal skills and writing skills. Students will develop a Career Portfolio throughout the term which they will keep as a resource for future reference. Students will use cooperative learning techniques while developing these basic concepts.

SPECIAL EDUCATION

Foundational Classes are recommended for students with identified disability that significantly impact intellectual functioning and are eligible for services under IDEA guidelines. Students recommended for foundational classes require extensive, repeated individualized instruction and support, and uses substantially adapted materials in order to learn the same content standards as general education grade level classes.

Foundational Freshman Communications

Grade: 9—Credit: 1

Prerequisites: None

Foundational Freshman Communications is a core course where students will learn the fundamentals of interpersonal and intrapersonal communication and the basics of public speaking. The first semester portion of Foundational Freshman Communications serves as an elective credit. The first semester of Freshman Communications will focus on life skills such as time management, study skills, listening, positive lifestyle choices/habits, leadership and organizational skills. Self-concept, public etiquette, career exploration, and service learning units are emphasized as well. Public Speaking will be emphasized in the second semester. The second semester of Foundation Freshman Communications will fulfill the communication graduation requirement.

Foundational English I

Grade: 9—Credit: 1

Prerequisites: Enrollment permission required

English I is a course built upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and includes the four aspects of language use: reading, writing, speaking, and listening. This course will provide students with reading and writing skills necessary to advance to the next level of English.

Foundational English II

Grade: 10—Credit: 1

Prerequisites: Enrollment permission required

English II is a course built upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and includes the four aspects of language use: reading, writing, speaking, and listening. This course will provide students with reading and writing skills necessary to advance to the next level of English.

Foundational English III

Grade: 11—Credit: 1

Prerequisites: Enrollment permission required

English III is a course built upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and includes the four aspects of language use:

reading, writing, speaking, and listening. This course will provide students with reading and writing skills necessary to advance to the next level of English.

Foundational English IV

Grade: 12—Credit: 1

Prerequisites: Enrollment permission required

English VI is a course built upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and includes the four aspects of language use: reading, writing, speaking, and listening.

Foundational Pre-Algebra

Grade: 9—Credit: 1

Prerequisites: Enrollment permission required

Throughout Foundational Algebra I students will continue to develop proficiency with the Common Core's eight Standards of Mathematical Practice. This class provides student with opportunities to learn or improve their foundational math skills (addition, subtraction, multiplication, division, solving word problems, working with money, time, clocks, percent's, interests, counting calories, measurement) and prepare them for Algebra I by covering a variety of topics such as properties of rational numbers, ratio, proportion, estimation, exponents, radicals, the regular coordinate system, sets and logic, formulas, and solving first-degrees equations and inequalities. This course will provide students with the skills necessary to advance to the next level of math.

Foundational Algebra I

Grade: 10—Credit: 1

Prerequisite: Enrollment permission requirement

Throughout Foundational Algebra I students will continue to develop proficiency with the Common Core's eight Standards of Mathematical Practice. This course includes the study of properties and operations of the real number system, evaluating rational algebraic expressions; solving and graphing first degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simple quadratic equations. Mastering basic concepts will also be focused on as well as repetition of basic skills to improve mastery to move to more complex. This course will provide students with the skills necessary to advance to the next level of math.

Foundational Geometry

Grade: 11—Credit: 1

Prerequisite: Enrollment permission required.

Throughout Foundational Geometry students will continue to develop proficiency with the Common Core's eight Standards of Mathematical Practice. They will review concepts in arithmetic, pre-algebra and Algebraic

SPECIAL EDUCATION

concepts. This course includes an emphasis on transformations, congruence and similarity, constructions, conjecture and proof, triangles, quadrilaterals, introduction to trigonometry, circles, 3-D figures, modeling, and probability. Graphing calculators and computer software will be used periodically. Mastering basic concepts will be focused on as well as repetition of basic skills to improve mastery to move to more complex Geometric concepts.

Foundational Business Math with Algebra

Grade: 12—Credit: 1

Prerequisite: Enrollment permission required.

Business Math with Algebra teaches students to apply algebra concepts to a variety of business and financial situations. Applications include income, insurance, credit, banking, taxation, stocks, and bonds.

Foundational Physical Science

Grade: 9—Credit: 1

Prerequisites: Enrollment permission required

Foundational Physical Science is a year course focusing on physics and general chemistry. In physics, students will be exposed to concepts about motion, forces, matter, and energy. In chemistry, students will be exposed to concepts about matter, its composition and the changes it undergoes. Students will explore many different topics pertaining to physics and chemistry including: effects of forces, transformations of energy, structure of matter, behaviors of matter, and the properties pertaining to the changes in matter. Mastering basic concepts will be stressed prior to moving to more complex concepts.

Foundational Biology I

Grade: 10—Credit: 1

Prerequisites: Enrollment permission required

Foundational Biology is designed to help students learn the principles of biology through active involvement. The students will focus on the following unifying themes of biology: Evolution, Homeostasis, Cellular Function, Genetics, and Ecology. The instructional model used will incorporate activities designed to engage students, while encouraging them to explore, explain, elaborate, and evaluate. Students will be given opportunities to conduct laboratory investigations designed to foster scientific thinking. There will be an emphasis on the connections between biological concepts and real life applications. Mastery of basic concepts will be emphasized prior to moving to complex concepts

Foundational Biology II

Grade: 11—Credit: 1

Prerequisites: Enrollment permission required

Foundational Biology II is designed to help students learn the principles of biology through active involvement. Foundational Biology II is a continuation of Foundational Biology I exploring concepts at a more complex level. There will be an emphasis on the connections between biological concepts and real life applications. Topics covered may include ecology and environmental problems such as overpopulation and pollution as well as cells, types of organisms, evolutionary behavior, and inheritance.

Foundational World History

Grade: 10—Credit: 1

Prerequisite: Enrollment Permission Required

Foundational World History provides students with an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. Students will study the impact of individuals and groups on history. They will understand the important ideas and events have changed history.

Foundational U.S. History

Grade: 11—Credit: 1

Prerequisites: Enrollment permission required

This course provides students with an overview of the history of the United States, examining time periods from discovery or colonialism through World War II and after. This course includes a historical overview of political, military, scientific, and social developments. Emphasis is placed on key historical concepts, roles of the individual and groups play in shaping history. Students will work intensively in smaller classes allowing frequent feedback and review of material to promote optimal learning experiences.

Foundational U.S. Government

Grade: 12—Credit: 1

Prerequisites: Enrollment permission required

This class provides an overview of the U.S. government structure and functions of the political institutions and examines constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process. This class also studies the structure and function of state, local governments and certain economic and legal topics. This class provides constant review, feedback and encouragement to understand democratic concepts.

SPECIAL EDUCATION

Adaptive Classes are offered to students 9-12 who have been eligible for services under IDEA guidelines, receive those services through an Individualized Education Plan (IEP), and only when the class is related to the educational impact of the identified disability.

Adaptive Academic Strategies

Grade: 9-12—Credit: 1

Prerequisites: Enrollment permission required

Adaptive Academic strategies is an elective class for students needing additional reading, writing, and math support. The class will have several components: teacher lead instruction, independent skill development (Math or English) that develops automaticity in Math/English, content vocabulary, direct instruction that focuses on literacy and/or math IEP goals and skill deficits, explicit instruction and includes Common Core standard work.

Adaptive Behavior Strategies

Grade: 9-12—Credit: 1

Prerequisites: Enrollment permission required

This course prepares students to appropriately apply behavior strategies to a variety of academic and life situations. Course topics include interpersonal social skills, problem solving, anger management, situational perception training, group interaction, career exploration and development, transition, listening skills and goal-setting. Students will also learn key workplace skills such as ethics, responsible conduct, self-management, decision-management, decision-making process, integrity and leadership.

Adaptive Strategies

Grade: 9-12—Credit: 1

Prerequisites: Enrollment permission required

This course prepares students for success in high school and/or postsecondary education. Course topics includes content reading improvement skills, such as scanning, note-taking, outlining, research skills, listening skills, vocabulary skills; interpersonal social skills, problem solving, anger management, situational perception training, group interaction, and supportive models recruitment are all emphasized.

Adaptive Credit Recovery

Grade: 9-12—Credit: Variable

Prerequisites: Enrollment permission required

This computerized educational program is used to recover credit for a course previously taken in the classroom and not successfully completed. Enrollment is based on required permission and can be used to recoup missing credits.

Adaptive Pre-Vocational Training

Grade: 10-12—Credit: 1

Prerequisites: Enrollment permission required

In this class students are helped to develop job skills that will be beneficial in the workforce and in selecting a career. This is an introduction to the Vocational Training Program at JCHS. Students may select a career based on realistic expectations, career research, occupational assessment and evaluation. Students will learn employability skills that include Responsible Decision Making and problem solving, Self-Awareness, Self-Management, Interpersonal Skills, and Social Awareness. Students will complete occupational assessments to determine potential areas of vocational interest for placement in the Vocational Training Program. Student will be concurrently enrolled in Vocational Training during either their junior or senior year (or both) based on their need to continue to develop employability skills.

Vocational Training

Grade: 10-12—Credits: 2

Prerequisites: At least 5 credit hours as a sophomore, enrollment permission

The Vocational Training/Work Readiness Program is a 2-hour block elective class offered for one or two semesters. The course allows students the opportunity to gain real-life work experiences within the business community. Job placement is based on the student's career interests, strengths, and assessment results. Students also develop a career portfolio as part of the course requirements. Measure of successful job skills are performed every through an evaluation completed by the supervisor/mentor. This form covers behaviors that are relevant to the workforce and encourages job ethics.

Pre-Vocational Training

Grade: 10-12—Credits: 1

Prerequisites: Enrollment permission required

This class is for students who are banking their diplomas and continuing in high school to work on employability skills. The focus of this class is for students to build a portfolio which is to include a resume, references, cover letters, career interest assessments, job applications, and reflections etc. The focus of the class is to prepare students for public transportation, learning to call and set up rides and using their cell phones. Students may apply for jobs of their interest. Interviewing skills will be covered and practiced in this class. During this class period, students will be taken to businesses to apply for jobs, as well as utilizing the Work Force Center. Second semester, students may be placed at a job site during this class so they can start working earlier and building job stamina.

SPECIAL EDUCATION

Employability Skills (18-21)

Grade: 12+ (GD)—Credits: 1

Prerequisites: Completed graduation requirements/Enrollment permission required

Students in this class will continue to work on employability skills that focus on **building an** employability portfolio that includes development of a resume, collecting references, writing cover letters, completion of career interest assessments, completion of job applications, and interviewing skills and reflections on their vocational training placement. This class will also focus on fostering independent living that includes the use of public transportation, learning to use their cell phone and to call and set up rides. Students will have the opportunity to apply for jobs in the community and utilize services through Junction City Work Force Center for additional services. Student should take this course both semesters, each semester is one credit as this course will meet daily.