

Yukon Public Schools 2010-2011 Course Description Guide

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- Biomedical Sciences Academy **
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INTRODUCTION

YUKON HIGH SCHOOL IS CONCERNED ABOUT THE EDUCATION OF EACH STUDENT. LISTED IN THIS COURSE DESCRIPTION GUIDE ARE THE CLASSES IN THE CURRICULUM OF YUKON HIGH SCHOOL (GRADES 9-12).

STUDENTS WILL ENROLL IN A SCHEDULE OF ATLEAST SIX UNITS. COURSES SUCCESSFULLY COMPLETED AT THE CANADIAN VALLEY TECHNOLOGY CENTER EARN THREE UNITS OF CREDIT PER YEAR.

QUESTIONS CONCERNING COURSE OFFERINGS MAY BE DIRECTED TO:

HIGH SCHOOL (9-10) PRINCIPAL	354-6692
HIGH SCHOOL (9-10) COUNSELORS	354-8580
HIGH SCHOOL (11-12) PRINCIPAL	354-6661
HIGH SCHOOL (11-12) COUNSELORS	354-1191

SOPHOMORE STATUS

TO RECEIVE SOPHOMORE STATUS, A STUDENT MUST HAVE SUCCESSFULLY COMPLETED A MINIMUM OF 3 UNITS (6 CREDITS) OF “**CORE**” COURSES (MATH, SCIENCE, ENGLISH, SOCIAL STUDIES) and a total of 4 units (8 credits).

JUNIOR STATUS

TO RECEIVE JUNIOR STATUS, A STUDENT MUST SUCCESSFULLY COMPLETE A MINIMUM OF NINE UNITS (18 CREDITS).

SENIOR STATUS

TO RECEIVE SENIOR STATUS, A STUDENT MUST HAVE SUCCESSFULLY COMPLETED FIFTEEN UNITS (30 CREDITS) AND HAVE A REASONABLE EXPECTATION OF COMPLETING THE UNITS REQUIRED FOR GRADUATION BY THE END OF THE SUMMER TERM IMMEDIATELY FOLLOWING THE CURRENT SCHOOL YEAR.

Oklahoma Requirements for High School Graduation

TOTAL OF 23 UNITS + 1 ARTS COMPETENCY REQUIRED

Meets State of Oklahoma Academic Graduation Requirements
but may not meet college admission

Senate Bill 982 was passed by the Oklahoma Legislature and signed into law by Governor Henry on June 7, 2005. The law requires eighth grade students entering the ninth grade in the 2006-2007 school year to complete a college preparatory curriculum, unless the student's parent or legal guardian approves the student to "opt out" of the college preparatory curriculum.

Choosing the courses a student takes in high school is an important decision for parents and their students. A college preparatory curriculum is challenging and may help determine a student's future success. Research indicates that students who take a college preparatory curriculum and pursue education and training beyond high school have more career opportunities and have a higher income and rate of employment.

UNITS REQUIRED

4 English to include the following:

English I/Grammar & Composition
English III/American Literature

English II/World Literature
English IV/English Literature

This is YHS Standard 1 (English)

4 Mathematics to include the following:*

Algebra I

(Algebra I and Geometry taken in seventh or eighth grade does not count as one of the four math courses required for graduation beginning with class of 2009.)

The second, third and fourth units from:

Geometry	Pre-AP Calculus
+Intro to Algebra II	AP Calculus
Algebra II	+Mathematics of Finance
Algebra III	AP Statistics

+ Intro to Algebra II & Math of Finance are not college preparatory courses.

This is YHS standard 2 (Math)

3 Science to include the following:

Physical Science

Biology

The third unit from:

Chemistry	Zoology	Environmental Science
Physics	Anatomy/Physiology	Biology II

This is YHS Standard 3 (Science)

Oklahoma Requirements for High School Graduation Class of 2010 (continued)

3 Social Studies to include the following:

Oklahoma History World History American History Government

This is YHS Standard 4 (Social Studies)

.5 Keystone*/elective

This is YHS Standard 5 (Keystone)

2 units of the same Foreign Language or non-English language or 2 units of Computer Technology approved for college admission. **

This is YHS Standard 6 (Foreign Language or Career Technology)

1 additional unit listed above or career and technology education courses approved for college admission. **

This is YHS Standard 7

17.5 Required Units

Plus

5.5 elective units to total 23 units (46 credits)

This is YHS Standard 8 – (Free electives)

23 units

Total of 23 units required for graduation

NOTE: The state also requires successful completion of one unit in Fine Arts. This unit is integrated in English and History. This fulfills the requirement for arts competencies.

SOME COURSES MAY NOT MEET NCAA ELIGIBILITY REQUIREMENTS FOR COLLEGE ENTRANCE. CONSULT WITH YOUR COUNSELOR FOR ADDITIONAL INFORMATION!

EVERY STUDENT WHO COMPLETES THE INSTRUCTION FOR THE SPECIFIED SECONDARY LEVEL COMPETENCIES SHALL COMPLETE AN END-OF-INSTRUCTION TEST IN ORDER TO GRADUATE FROM HIGH SCHOOL.

No more than four (4) units of physical education/athletics may be counted toward the units required for graduation.

* By board policy YHS exceeds state requirements in this area.

** With parent permission a student can opt out of this requirement.

Spanish I successfully completed during the 8th grade will count as one of the two foreign language units required for graduation.

Students may earn a **Certificate of Distinction** by completing the following requirements:

- 4 units of English
- 4 units of mathematics
- 4 units of social studies
- 4 units of science
- 2 units of foreign language
- 2 units in the area of technology, the humanities, or the arts (the two art competencies required for graduation will fulfill this requirement)

The student must also have a minimum of 3.25 GPA on a 4.0 scale and achieve a satisfactory (or advanced) score, or its equivalent, on all State end-of-instruction exams.

Please note that this Certificate of Distinction is not a diploma. However, satisfactory completion of these requirements will be noted on the student's diploma.

Call your student's counselor if you have any questions or concerns.

Oklahoma Requirements for High School Graduation BEGINNING WITH THE CLASS OF 2012-EOI REQUIREMENTS

All students must pass Algebra I and English II End of Instruction Exams and must pass two of the remaining five exams:

- **Geometry**
- **Algebra II**
- **Biology I**
- **English III**
- **US History**

FLEX 7 DAILY SCHEDULE

Students may choose one of two daily schedules: first period thru sixth period (A) or second period thru seventh period (B) or students could choose to take seven classes.

Students grades 9-12 enrolling in band must have Schedule A and those enrolling in athletics must have Schedule B or they can take 7 periods a day. 9th grade basketball must take Schedule A. 9th grade football will now be period 7. **Parents please make transportation plans accordingly.**

Freshman enrolling in 7th period football will be able to enroll in first period weight training. If doing so, the student will need to enroll in seven (7) classes. The student will receive a grade from this class.

Transportation for 2010-2011 will run first hour, 6th and 7th hour only. No transportation provided for second hour.

<p>Students pre-enrolling in seven courses will not be allowed to drop a course during the school year.</p>
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See your counselor for more information.

ALL STUDENTS INVOLVED IN ACTIVITIES THAT INVOLVE PARTICIPATION IN CONTESTS WILL BE SUBJECT TO RANDOM DRUG TESTING THROUGHOUT THE SCHOOL YEAR. SEE YOUR COACH OR SPONSOR FOR MORE INFORMATION.

If desiring to attend CVTC and you are relying on school transportation, then you should enroll in the morning session.

SUMMER SCHOOL REQUIREMENTS

The Yukon Public School System will provide a summer school limited to those students who have failed one or more semesters of courses required for graduation. **MINIMUM CLASS SIZE MUST BE MET BEFORE A CLASS WILL BE OFFERED.**

It is imperative that all students, who expect to graduate with their class, make up any units that they have failed which are required for graduation. Oklahoma regulations limit units earned during accredited summer high school to one (1) unit or 2 semesters.

CONCURRENT ENROLLMENT

The concurrent enrollment program provides an opportunity for interested junior and senior students to expand their course studies. Concurrent enrollment is a cooperative program set forth by the State Board of Education and the Regents for Higher Education. It allows junior and senior students enrolled in an accredited Oklahoma high school to be admitted provisionally to a college or university in the Oklahoma State System of Higher Education as special students, provided they meet certain requirements.

Students must be enrolled in less than a full time load at the high school they are attending. The students must be eligible for graduation from high school no later than the spring semester of their senior year. See counselors for details.

ELIGIBLE HIGH SCHOOL SENIORS ARE ENTITLED TO A WAIVER FOR UP TO SIX (6) CREDIT HOURS PER SEMESTER, SUBJECT TO AVAILABILITY OF FUNDS. SEE YOUR COUNSELOR FOR DETAILS. CREDIT IS AVAILABLE SUMMER BEFORE SENIOR YEAR.

NOTE: Concurrent enrollment courses do not carry a weighted grade.

REQUIREMENTS FOR RECOGNITION AS AN OKLAHOMA ACADEMIC SCHOLAR*

Students who meet all the requirements below shall be recognized by the local school district and the State Board of Education as an Oklahoma Academic Scholar.

1. Accumulate over grades 9, 10, 11 and the first semester of grade 12, a minimum grade point average of 3.7 on an unweighted four-point scale or be in the top 10% of their graduating class.
2. Complete (or will complete) 22 units for graduation which consist of at least:
 - ENGLISH (4 Units) - Grammar, Composition, Literature
 - MATHEMATICS (3 Units) - Algebra I, Algebra II, Algebra III, Geometry, Pre-Calculus, Calculus, AP Statistics
 - SCIENCE (3 Units) - Biology I, AP-Biology II, Chemistry I, AP Chemistry II, Physical Science, Botany, Zoology, Physics, Physiology, AP Environmental Science
 - SOCIAL STUDIES (3 Units) - History, Government, Sociology, Psychology, Economics, Anthropology, Geography
3. Score a 27 on the American College Test (ACT) or 1,220 combined score on the Scholastic Aptitude Test (SAT). The SAT or ACT must have been taken on a national test date before the date of graduation.

*The State of Oklahoma annually updates these requirements.

OKLAHOMA COLLEGE OR UNIVERSITY ADMISSION REQUIREMENTS

The required academic preparation for admission to public two-year and four-year colleges and universities in Oklahoma, beginning the fall of 1997, include:

LANGUAGE ARTS (4 UNITS)

English I English II English III English IV

MATHEMATICS (3 UNITS FROM THE FOLLOWING)

Algebra I Algebra II Algebra III AP Statistics
Calculus Geometry Pre-AP Calculus

SCIENCE-LABORATORY (2 UNITS FROM THE FOLLOWING)

Physical Science Biology Chemistry Zoology
Physics Anatomy/Physiology AP Environmental Science

Or any lab science certified by the school district with the exception of General Science with or without a lab.

Agricultural courses, taken as a Science credit, do not qualify for university admission requirements.

HISTORY (2 UNITS)

CITIZENSHIP SKILLS (1 UNIT)

When calculating courses needed, please note that the following required courses will satisfy requirements for these areas:

History 2 units (1 semester Oklahoma History, 1 semester World History, 1 year American (U.S.) History)
Citizenship Skills 1 unit (1 semester Government, 1 semester World History)

ELECTIVE ACADEMIC UNITS -- 3 UNITS

Choose from the subjects listed above if not included in core units or select from the following:

Computer Science World Geography *Foreign Language Economics

*Students may be exempt from taking a foreign language in college if two or more years of a foreign languages are taken in high school.

Two additional units from the following are **recommended** for college preparation:

Fine Arts (music, art, drama) Speech

COLLEGE AND/OR UNIVERSITY ADMISSION ALSO DEPENDS ON:

ACT Score Grade Point Average
Check with your college for specific admission requirements.

PRE-ADVANCED AND ADVANCED PLACEMENT COURSES

The Pre-Advanced Placement and Advanced Placement programs are for college-bound achievers who want a more comprehensive education. It is understood that a successful Pre-AP student may spend an average of 45 minutes each night per class in meaningful homework. An Advanced Placement student may spend an average of 90 minutes per night per class.

WHAT ARE ADVANCED PLACEMENT COURSES?

Advanced Placement** courses give students the opportunity to earn college credit while attending high school. Because the courses require college level performance, students who elect to take advanced placement must be realistic about their commitment. Such courses require self-discipline, above average ability, adequate time for homework and a willingness to see the course through to the final exam. In December of 1999, the Oklahoma State Regents for Higher Education approved a policy where a student's GPA will be adjusted to reflect that they are taking Advanced Placement courses.

WHAT RETURN CAN A STUDENT EXPECT?

Students who elect to take Advanced Placement courses will have the challenge of participating in a class with other students who are motivated and share an appreciation for the value of academic achievement. They may be allowed a reduction in the time required to complete a college degree, along with potential savings of several thousand dollars. Also, they gain the possibility of earning scholarships because of high scores on college placement tests.

We are pleased to offer this opportunity to the students of Yukon and encourage their participation in Pre-Advanced/Advanced Placement programs.

**** AP Courses: At the end of the course, the student will be required to take the Advanced Placement exam for college credit.
Financial assistance available upon need.**

ADVANCED PLACEMENT courses are open to all students. However, to be successful the student should be an A-B student, self-motivated, and an above average reader and willing to do homework every night. These courses are as follows:

PRE-AP ENGLISH I AND II
AP LANGUAGE AND COMPOSITION ENGLISH III
AP LITERATURE AND COMPOSITION ENGLISH IV
PRE-AP GEOMETRY
PRE-AP ALGEBRA II
PRE-AP CALCULUS WITH TRIGONOMETRY
AP CALCULUS
AP STATISTICS
PRE-AP BIOLOGY I
AP BIOLOGY II
PRE-AP PHYSICAL SCIENCE
PRE-AP CHEMISTRY I
AP CHEMISTRY
AP ENVIRONMENTAL SCIENCE
PRE-AP PHYSICS
AP PHYSICS (B)
AP WORLD HISTORY
AP U.S. HISTORY
AP EUROPEAN HISTORY
AP HUMAN GEOGRAPHY
AP GOVERNMENT
AP PSYCHOLOGY
PRE-AP FRENCH III
AP FRENCH LANGUAGE
PRE-AP SPANISH III
PRE-AP SPANISH IV
AP SPANISH LANGUAGE
AP STUDIO ART

In order to assign proper weight to accelerated programs which go beyond basic requirements, additional weighting will be added to G.P.A.'s for students who take PRE-AP or AP courses. All Pre-AP and AP grades of A, B, & C, will have a grade point adjustment of 1.0; no D's or F's will have this adjustment. This Weighted Grade Point average will be used to select VALEDICTORIAN, RANK IN CLASS, NATIONAL HONOR SOCIETY and RENAISSANCE PROGRAM.

GIFTED EDUCATION PROGRAM

The most important emphasis of the Gifted Education Program at the secondary level is its attempt to provide an appropriate academic program. Yukon Public Schools provides a college preparatory academic program by offering Pre-AP and Advanced Placement courses. Gifted students are not required to take all Advanced Placement courses, but they should definitely be enrolled in a reasonably challenging academic program.

OPTIONAL SERVICES OF GIFTED EDUCATION PROGRAM - The optional services available to identified secondary gifted education students are: academic/personal counseling, seminars, field trips, scholastic meets, academic competitions, and creative problem-solving competitions. Students may participate as interest, need, and time permits.

COURSE PLANNING FORM FOR GRADUATING CLASSES
 BEGINNING WITH 2010
YUKON HIGH SCHOOL DIPLOMA
 (23 UNITS REQUIRED)

STATUS	UNITS REQUIRED	COURSE PLANNING NOTES
FRESHMAN	6 UNITS	FRESHMAN PLANNING NOTES
ENGLISH I	1	
KEYSTONE	1/2	
OKLAHOMA HISTORY	1/2	
PHYSICAL SCIENCE	1	
ALGEBRA I	1	
ELECTIVE		
ELECTIVE		
SOPHOMORE	6 UNITS	
ENGLISH II	1	
WORLD HISTORY	1	
MATH	1	
SCIENCE	1	
ELECTIVE		
ELECTIVE		
JUNIOR	6 UNITS	JUNIOR PLANNING NOTES
ENGLISH III	1	"Students classified as Juniors and wishing to take courses at CTVC should delay their required third course in Science until their Senior year."
AMERICAN (U.S.) HISTORY	1	
MATH	1	
SCIENCE (either Junior or Senior year)	1	
ELECTIVE		
ELECTIVE		
SENIOR	6 UNITS	SENIOR PLANNING NOTES
ENGLISH IV	1	See your counselor about concurrent enrollment options.
SCIENCE (either Junior or Senior year)		
MATH ****	1	
AMERICAN (U.S.) GOVERNMENT	1/2	
ELECTIVE		
ELECTIVE		

REQUIREMENT TOTALS FOR YUKON HIGH SCHOOL DIPLOMA

4 ENGLISH
 4 MATH
 3 SOCIAL STUDIES
 3 SCIENCE
9 ELECTIVES
 23 UNITS TOTAL
 (OR 46 CREDITS)

NOTE: Some courses may not meet NCAA eligibility requirements for college entrance. Consult your counselor for additional information!!
 **** A student can waive the fourth year math requirement by successfully completing one year of study (junior or senior) at Canadian Valley Technical Center. See your counselor for more details

If a student has successfully completed Algebra I, Geometry, and Algebra II by the end of their junior year, that student can satisfy their YHS four year math requirement by successfully completing one semester of college math thru concurrent enrollment during their senior year.

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ACTIVITY COURSES

The following courses are listed as activity courses.

No more than four (4) units (8 semesters) of physical education/athletics may be counted toward the units required for graduation.

WELLNESS AND FITNESS

Course ID # 001103

Students will learn a variety of sports and activities that can be used for a lifetime of healthy living. Students will learn basic offensive and defensive patterns and rules for a variety of sports. Students will also increase their health vocabulary and get general information on health and nutrition.

PREREQUISITE: NONE

RECOMMENDATION: A willingness to participate in this exercise program on a daily basis. A desire to learn more about wellness and fitness.

COMPETITIVE SPORTS (ATHLETICS)

Course ID # 001171-001199

Competitive sports are offered in baseball, basketball, cross-country, football, golf, soccer, softball, tennis, track and field, wrestling, cheerleading and pom. Cross-country is a 1st semester sport only. Soccer, golf, track, and tennis are 2nd semester sports only. Varsity football, softball and baseball may be year round sports. **Enrollment in all sports requires approval of respective coaches. Yearly physical to participate is required.**

NOTE: Students enrolling in athletics must take the late Schedule (periods 2-7). However, freshman enrolling in basketball must take the early schedule (periods 1-6).

WEIGHTLIFTING (POWER LIFTING)

Course ID # 001107

This power lifting class is limited to students enrolled in athletics, grades 9-12. It will be offered period one (1) only. To enroll in this class you must enroll in seven (7) classes.

See your coach or the Athletic Director for more information.

All rules of the Secondary School Activities Association will be followed. If additional information is desired or needed, contact the coach of that particular sport or the Athletic Director for Yukon Public Schools.

ACADEMIC COURSES

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ART

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ART I

Course ID # 000501

Art I is a course of instruction divided into two-dimensional and three-dimensional areas. These areas include drawing, painting, and sculpture. The class focuses on career oriented as well as non-career oriented students. Students will be able to demonstrate the Principles and Elements of Art throughout their projects. Art I is the first high school course which gives the students a broad scope of visual art production, aesthetics, art history, criticism, and careers. The students' projects include creative thinking, technical skills, problem solving and expression. All students are encouraged to participate in art exhibits and competitive shows. **Students will be financially responsible for art supplies. (approx. \$25.00)**

PREREQUISITE: NONE

ADVANCED ART

Course ID # 000503

Advanced Art is a continuation of Art I with a review and application of the Principles and Elements of Design. Greater emphasis is placed on creativity and technique, and student media experiences are expanded. The students will explore more diverse styles and subjects using various mediums. **Students will be financially responsible for art supplies. (approx. \$20.00 per semester)**

PREREQUISITE: Successful Completion of Art I

AP STUDIO ART

Course ID # 000512

The AP Studio Art course is designed to provide students with a learning experience equivalent to that of an introductory college course in studio art foundation. Students have the option of submitting one kind of portfolio that the teacher will judge for admittance into the program. Student must have completed Art I and Advanced Art before applying for the studio program. All students who are willing to accept the challenge of a rigorous academic curriculum should consider admission into the Studio AP course. It is understood that they are committed to taking the AP test.

Students will be financially responsible for art supplies. (approx. \$25.00 per semester)

PREREQUISITES: Art I, Advanced Art
Submit Portfolio
Teacher approval

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ART HISTORY

Course # 000510

The Art History course is an introduction to the study of art history. This course will be split into two semesters. The first semester will cover the periods of ancient to impressionism, while the second semester will encompass post-impressionism to contemporary. The Art History course will be taught in the style of a college-level art history class, which will provide a challenging, yet enlightening look at art from across the world.

PREREQUISITE:

Art I or World History or 8th grade Advanced Art

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BUSINESS

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KEYBOARDING AND DOCUMENT PROCESSING (one semester) Grades 9-12
Course ID # 000617

This class teaches students "touch keyboarding" utilizing a keyboarding computer program. Students will learn the keyboard and basic document creation. **This class is a prerequisite for most computer applications classes; if the student demonstrates keyboarding and document processing competencies through a proficiency exam, then the keyboarding class requirement will be waived.**

PREREQUISITES: None

FUNDAMENTALS OF WEB DESIGN Grades 9-12 Course ID # 000660

Students will acquire fundamental web authoring skills and design strategies through the application of XHTML incorporating Cascading Style Sheets and forms development. This course introduces students to the emerging career of web planning and design. During the second half of this course students will be introduced to a WYSIWYG editor, Dreamweaver CS3, and will develop web animation and graphics using Adobe Flash and Fireworks. The final project will be the development of a personal web site. **BPA** is an integral part of this course and therefore students are strongly encouraged to join. While being a member, students will have opportunities to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$25 which includes local, state and national memberships as well as a club t-shirt.

RECOMMENDED: Keyboarding and Document Processing or Performance Based Competency Test

COMPUTER APPLICATIONS Course ID #000619

Students will use the computer as a tool for learning core skills. Course objectives can be applied to school work, personal use, higher education, and business careers. Microsoft Office is integrated utilizing word processing, spreadsheet management, presentation applications, and database principles. This course provides one unit of Computer Technology credit toward OHLAP and graduation requirements.

FULL YEAR REQUIREMENTS: Keyboarding skills including technique and formatting recommended.

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VIDEO PRODUCTION

Grades 9-12

Course ID # 000662

This course introduces students to the principals and emerging careers of Video Production. Students develop in-depth knowledge and skills needed for successful careers in video and broadcast and use state-of-the-art tools (Adobe Premiere Pro CS3, Adobe After Effects CS3, and Adobe Soundbooth CS3) to design, edit, produce and broadcast productions to outside audiences.

BPA is an integral part of this course and therefore students are strongly encouraged to join. While being a member, students will have opportunities to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$25 which includes local, state and national memberships as well as a club t-shirt.

PREREQUISITE: Successful completion of Keyboarding and Document Processing OR Performance Based Competency Test

IMAGE MANAGEMENT TECHNIQUES

Grades 9-12

Course ID # 000664

This course introduces students to the concepts of graphic design and production and document design and production and related careers. Students produce graphic designs using Adobe Photoshop CS3 and Adobe Illustrator CS3.

BPA is an integral part of this course and therefore students are strongly encouraged to join. While being a member, students will have opportunities to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$25 which includes local, state and national memberships as well as a club t-shirt.

RECOMMENDED: Keyboarding and Document Processing

ACCOUNTING I

Grades 10-12

Course ID # 000601

Students will learn the basics of record keeping. This course covers traditional accounting procedures. The student will manually complete worksheets, journals, and financial statements. These activities emphasis the procedures related to one's own small business. The computerized accounting portion utilizes a current small business accounting software.

PREREQUISITE: Successful completion of Keyboarding and Document Processing or a Performance Based Competency Test.

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STREET LAW (one semester)

Grades 9-12

Course ID # 000621

This course provides a study of basic legal principles as applied to personal business activities. Some of the areas of concentration are: development of law, court systems, civil and criminal law, rights and responsibilities of minors, contract law, insurance, consumer protection, commercial paper, and credit. Students will have the opportunity to obtain a working knowledge of the law and an understanding of the effect it has on their personal and business lives.

PREREQUISITE: None

ECONOMICS (one semester)

Grades 10-12

Course ID # 000632

This course will focus on practical, everyday applications of economic principles. The subject deals with the way in which individuals, households, firms, industries, and governments consume, employ talents and material resources. Course materials are provided through Junior Achievement. Combined with this program are several sessions in which students are introduced to the importance of planning, goal setting, and personal financial decisions.

PREREQUISITE: None

MARKETING FUNDAMENTALS

Grades 10-12

Course ID #001679

This course will teach students how businesses and people operate from a marketing point of view. Classroom emphasis will be on promotion, human relations, communication, merchandising, and salesmanship. Special hands-on activities and projects, like working in the DECA store, give students practical application to the theories taught in the course. Students will use virtual simulation software on the computer to test their knowledge of the skills they have learned. These skills will help students be more marketable to the business world.

DECA is an integral part of this course and therefore students are strongly encouraged to join. While being a member, students will have opportunities to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$25 which includes local, state and national memberships as well as a club t-shirt.

PREREQUISITE: Sophomore, Junior, or Senior

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BUSINESS MANAGEMENT AND SUPERVISION

Course ID #001680

This course is an advanced continuation of Marketing Fundamentals. It involves students in various teamwork activities and projects to provide basic knowledge and skills necessary for supervision and management type positions. This course also offers several opportunities to gain experience in various aspects of marketing and management such as human resources, promotion, principals of management, supervisory skills, entrepreneurship, merchandising, security, and international marketing. Students will use computer simulations to operate a virtual reality business that will test their skills in the areas they have learned.

DECA is an integral part of this course and therefore students are strongly encouraged to join. While being a member, students will have opportunities to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$25 which includes local, state and national memberships as well as a club t-shirt.

PREREQUISITE: Successful completion of Marketing Fundamentals or by teacher/counselor approval.

MARKETING EDUCATION WORK-STUDY (ONE YEAR)

Course ID #001681

In this course, marketing students will apply their studies in marketing or management in a business situation. This is a combined effort of the teacher, the student and the employer. To earn school credit, students are required to work at least ten hours a week in an approved, marketing-related occupation. Course content includes job interviews, security precautions, free enterprise, human relations, sales, advertising, and business communications.

PREREQUISITE: Junior or Senior. Must have teacher approval and be enrolled in Business Management and Supervision and have completed Marketing Fundamentals.

SPORTS AND ENTERTAINMENT MARKETING (one semester) Grades 9-12 Course ID # 000612

A specialized course designed for students with a career interest in the entertainment and sports industry. Instructional areas will include: orientation to the entertainment and sports industry, economics, decision making, event marketing, sales and sales promotions, event execution, legal aspects/contracts and career opportunities. Classroom instruction will be reinforced through the use of outside lectures, case studies, field trip experiences, current periodicals, computers and software, in-house projects and constructive/discovery learning.

DECA is an integral part of this course and therefore students are strongly encouraged to join. While being a member, students will have opportunities to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$25 which includes local, state and national memberships as well as a club t-shirt.

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ENTREPRENEURSHIP AWARENESS/BUSINESS OWNERSHIP (one semester) Grades 9-12
Course ID # 000635

Semester course that allows students to discover and determine their entrepreneurial aptitude at an early age. Students will explore the relationship between entrepreneurship, business and marketing skills, creative instincts, self-esteem/discipline, and independence. Career opportunities and pre-employment skills required to help the student be successful in the areas of business, and marketing and management will also be introduced during this course.

DECA is an integral part of this course and therefore students are strongly encouraged to join. While being a member, students will have opportunities to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$25 which includes local, state and national memberships as well as a club t-shirt.

COMPUTER PROGRAMMING * **Grades 11-12**

NOTE: This is a three (3) hour block of study offered at the Czech Hall CVTC campus. See your counselor for more information

Learn how to write object-oriented programs using various programming languages to create event-driven programs. Students will also learn to code game engines to create computer applications with real-time graphics. Various languages covered include HTML, PHP, JAVA, C++,C#, Visual BASIC.Net and my SQL.

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DRAMA

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DRAMA I

Grades 9-12

Course ID # 000125

Students will learn the basics of theater in Drama I. In addition to acting exercises, the student will participate in reading plays, learning the language of the theater, learning how to audition, on-camera slating, improvisation, resume writing and learning how theater began. Most students feel much more comfortable presenting oral presentations after completing this course.

Parents and students should be aware that ad sales are required as part of the curriculum.

PREREQUISITE: NONE

ADVANCED DRAMA

Course ID # 000126

Advanced Drama students will study theater in more detail. They will present monologues, duet acting, and learn how to improve stage diction and projection. They will learn about theater as a business, resume writing/update, and participate in the production process including all school plays. Advanced acting will be part of the class with additional emphasis in "on-camera" performance.

Parents and students should be aware that ad sales are required as part of the curriculum.

PREREQUISITE: Drama I

THEATER PRODUCTION

Course ID # 000127

Admission to Theater Production will be by prepared audition (two contrasting monologues not to exceed three minutes) and written request with explanation of personal goals together with instructor's approval. Students must complete beginning drama. Students must also agree to complete summer assignments and journals due the first day back from summer break. Students enrolled in Theater Production will be required to participate in performances in October, December, and March, April or May as school schedule allows. Guest artists (casting director, talent agency or college professor) will be brought in to view one of the performances and offer special critique. Students should have a sincere and dedicated interest in the performing arts to enroll in this class.

Parents and students should be aware that ad sales are required as part of the curriculum.

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BASIC SPEECH

Grades 9-12

Course ID # 000121

According to the BOOK OF LISTS, the number one fear of Americans is public speaking. This year-long course will help to alleviate those fears because students learn how to write speeches and perform for their classmates. The practical experience helps students develop confidence in their ability to communicate. In addition to public speaking, students study and participate in informal communication activities, such as discussion, conversation, listening, and interviews, which will help them feel more comfortable in all communication situations.

COMPETITIVE SPEECH I, II, III, IV

Course ID # 000122

Competitive Speech prepares students for tournament events such as: humorous and dramatic interpretation of literature, poetry, prose, duet acting, as well as original speech writing. This class requires memorization skills and after-school practice. **Students in competitive speech will be required to compete in at least two tournaments per semester. Tournaments are always on Saturdays.** (Students must be passing all classes for eligibility.) Students in competitive speech are eligible to audition for Mock Trial competition.

DEBATE I, II, III, IV

Course ID # 000120

Debate prepares students to participate in interscholastic tournaments in both team debate and Lincoln Douglas (one on one) debate. Students will also learn extemporaneous speaking skills on current event issues. Debaters are eligible to participate in Mock Trial competition and Student Congress competition. **This class requires extensive research and practice time. Students in Debate will be required to compete in at least two tournaments per semester. Debate tournaments are always on Friday nights and Saturdays.**

BUSINESS AND PROFESSIONAL SPEAKING (one semester) Grades 9-12

Course ID #000123

Corporate employers demand strong communication and presentation skills. As future professionals, students in Business and Professional Speaking, will not only be expected to be confident speakers, but also organize a presentation, solve problems, build arguments and use their creativity.

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TECHNICAL ARTS

Grades 9-12

Course ID # 000130

The focus of the class is to give students an overall knowledge of the theater and how it operates. Students learn how to operate and maintain theatrical equipment such as: light fixtures, spot lights, sounds systems, computerized lighting equipment, video cameras, video switching, audio/video editing, rigging, rappelling equipment, fly systems and various power tools. Students learn to work with members of the class, school personnel as well as professional talent such as bands, orchestras, vocalist, dance companies and speakers.

Requirements:

- Class size will be fifteen students; if the enrollment is larger than fifteen students, a panel consisting of the auditorium director, the student's former principal, counselor, and one teacher will determine the admittance of the student into the class.
- Enrollment is by teacher permission only.
- Class will be held sixth hour of the school day.
- Students may be allowed to work on skills until 4:00 p.m.
- Transportation must be provided by the student.
- Students will be required to occasionally work after school hours and on weekends; students must submit an application and sign an agreement stipulating adherence to the afterschool/weekend work and time requirements.

Class Goals:

- Introduce students to the technical aspects of the entertainment industry
- Safety training and safe effective use of equipment
- Operational skill
- Develop a strong work ethic
- Community Service
- Appreciation for the many forms of theater

STAGECRAFT

Grades 9-12

Course ID # 000128

The Stagecraft course is an introduction to the tool, terminology, materials and principals of stagecraft. The design of the course is to instruct students on the process of technical theater and theater production. The goal is for students to gain a understanding of topics usch as set construction, tools, and materials as well as an overview of inner workings of the theater. Since success in the theater is completely dependant on collaboration and teamwork the motivated student will be presented with many oppourtunities to work both in large and small group environments, learning not only how to work with fellow classmates and adults, but also gaining key problems solving skills in situations that are both complex and time constrained.

REQUIREMENTS:

Students will be required to occasionally work after school hours and on some weekends

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INTRODUCTION TO THEATER (one semester) Grades 11-12 Course ID # 000124

Introduction to Theater will provide students an opportunity to complete all necessary material in one semester to enter advanced drama or to simply learn about theater without being involved for a full year. Sophomores, Juniors and Seniors enrolling in "Introduction to Theater" will have an opportunity to complete the technical work (structure, definitions, reading assignments, etc.) that is normally taught during Beginning Drama during the freshman year. Information that is taught in this course will allow upper classmen to take advanced drama more quickly or it may be paired with other semester courses in order to allow students a more-well rounded education.

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DRIVER EDUCATION

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**Driver Education classes are offered though
Yukon Schools Community Education at 354-2579.**

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FOREIGN LANGUAGE

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*ALL PRE-AP AND AP FOREIGN LANGUAGE COURSES WILL HAVE A WEIGHTED GRADE POINT ADJUSTMENT OF 1.0 **IF MAKING A GRADE OF AN A, B, or C.**

FOREIGN LANGUAGE ENROLLMENT INFORMATION

Students who satisfactorily complete Spanish I in the 8th grade may receive credit on their high school transcripts but it will not be used in calculating high school GPA and/or valedictorian status. Spanish I taken in 8th grade may not be accepted as high school credit by colleges and universities unless an additional higher level Spanish course is taken. (Please check individual colleges for information).

Any student who completes 8th grade Spanish and elects not to enroll in Spanish II may enroll in Spanish I at the 9th grade level. (Maximum of one unit may be earned for Spanish I.)

It is strongly recommended that any student making below an "A" in 8th grade Spanish I retake Spanish I before taking Spanish II.

The goal of the 8th grade Spanish programs at I.M.S. and L.M.S. is to encourage these students to pursue their target language in a five-year language program, to develop fluency, and to strive toward bilingualism.

Foreign Language courses provide units of credit toward OHLAP and graduation requirements.

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FRENCH I

Course ID # 000709

French I covers pronunciation and basic grammar in conversational modes with new vocabulary and structure being continually learned. At various times the student will read, write, speak and understand the language. Acquainting the student with the French culture is also stressed, especially as it differs from the American lifestyle. Students will also be introduced to the French-speaking world. Songs, games, videos and CD's are used as teaching aids.

FRENCH II

Course ID # 000710

This class is a continuation of French I covering language structure, vocabulary and the culture of France and other Francophone countries. Understanding and using compound tenses, developing writing skills, and improving reading comprehension are stressed. Using French in the classroom is encouraged.

PREREQUISITE: Successful completion of French I

PRE-AP FRENCH III

Course ID #000721

Pre AP French is a course in which students will continue to enhance listening, speaking, reading, and writing skills. There will be an emphasis on vocabulary, verb tenses, French literature, and French art, and conversational skills. After this course, students can enroll in AP French.

RECOMMENDATION: Students should have an "A or B" from French II to enroll in this course.

AP FRENCH LANGUAGE

Course ID #000712

Speaking, listening, reading, and writing skills will be emphasized on a daily basis. Students will continue to review and study grammar, vocabulary, verb tenses, and literature from various Francophone countries. Students will also study the history of France. French will be the only language spoken at this level. **At the end of the course, the student will be required to take the Advanced Placement exam for college credit.**

RECOMMENDATION: Students should have a grade of A or B from French III/Pre AP to enroll in this course.

SPANISH I

Course ID # 000705

Spanish I is designed to help the student develop the state-mandated basic language skills of listening, speaking, reading, and writing within a language content which meets the needs of young people. It also expands the students' concept of the cultural background, daily life, customs, history and traditions of the Spanish speaking world. Reading selections assist the study of structure in context. Vocabulary is reinforced and speaking, reading and writing skills are developed.

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SPANISH II

Course ID # 000706

This course is designed to help the students achieve a higher degree of mastery in the basic language skills of listening, speaking, reading and writing within a language content which meets the needs of all learners. Classroom activities will provide contextual environment as well as ample opportunities for language acquisition and usage. Reading selections assist the study of structure in context; vocabulary is reinforced, and speaking /writing skills are developed thru a variety of methods including TPRS (Teaching Proficiency through Reading and Storytelling). The course is taught in compliance with the state mandated PASS skills of Communication, Culture, Connections, Comparisons and Communities.

PREREQUISITE: Successful completion of Spanish I

PRE-AP SPANISH III

Course ID # 000715

This course is designed for students who display an unusual aptitude for reading, writing, and speaking the Spanish language and later may wish to take AP Spanish Language. This course enables students to successfully handle a variety of communications tasks and social situations. Students will develop strategies to help them sustain understanding over longer stretches of time on a number of topics and students will develop an ability to explain cultural differences. Additionally, they will be able to develop practical writing skills and will begin reading literary texts.

RECOMMENDATION: A grade of "C" or above in Spanish II or native speaker status*.

*PRE-AP SPANISH IV

Course ID # 000716

Students enrolling in this course should have already completed extensive studies in vocabulary acquisition and grammar. Intermediate level skills in speaking, writing, reading, and understanding spoken Spanish are expected. Students will communicate and talk casually about topics of current public and personal interest, as well as discuss literacy texts. This course will enhance student preparation for Spanish V and will help prepare students for the Advanced Placement examination.

RECOMMENDATION: A grade of "C" or above in Spanish III or native speaker status*.

*Level placed is determined through an oral interview and/or written testing.

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AP SPANISH LANGUAGE

Course ID # 000719

At the advanced level, communication skills satisfy the requirements of everyday conversations. Reading includes poetry, other literary works, and material written for the general public. Writing will include special assignments on Spanish and Hispanic-American authors, painters, etc. Hispanic literature and culture will continue to be emphasized.

At the end of the course, the student will be required to take the Advanced Placement exam for college credit.

RECOMMENDATION: A grade of "C" or above in Pre-AP Spanish IV or native speaker status *

*Level placed is determined through an oral interview and/or written testing.

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LANGUAGE ARTS

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***ALL PRE-AP AND AP LANGUAGE ARTS COURSES WILL HAVE A GRADE POINT ADJUSTMENT OF 1.0 IF MAKING A GRADE OF AN A, B, OR C.**

ENGLISH I

Course ID # 000103

Language Arts skills, such as reading comprehension and interpretation, are built upon and expanded. Multiple genres of literature are stressed, and composition techniques, including writing a three paragraph essay, are expanded. Grammar and usage skills are reviewed and extended. Vocabulary skills, especially reading in context, are increased.

PREREQUISITE: Freshman Status

ENGLISH II

Course ID # 000104

Language Arts skills, such as reading comprehension and interpretation, are built upon and expanded. Multiple genres of literature are stressed, and composition techniques, including writing a five paragraph essay, are expanded. Grammar and usage skills are reviewed and extended. Vocabulary skills, especially reading in context, are increased.

A state-mandated end of instruction test will be administered. All students must take this exam, and beginning with the Class of 2012 all students must pass this exam to graduate.

PREREQUISITE: Sophomore Status

ENGLISH III

Course ID # 000105

Basic grammar and writing will be reviewed to prepare for the term paper and advanced composition. An emphasis will be placed on increasing vocabulary. American literature will be studied in some depth beginning with early writings of Puritans through the twentieth century. Novels, drama, short stories, and poetry will be read and interpreted for understanding and appreciation.

A state-mandated end-of-instruction test will be administered. All students must take this exam.

PREREQUISITE: Junior Status
Successful completion of English I and II

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ENGLISH IV

Course ID # 000106

Students will review grammar usage by writing long and short compositions. A formal research paper or project will be required. Students will read major literary works of British and World authors and will gain skills in interpretation and criticism. Students will read class novels, as well as other directed outside readings, and will pursue advanced vocabulary development.

PREREQUISITE: Senior Status
Successful completion of English I, II & III

PRE-AP ENGLISH I

Course ID # 000107

This course is designed for students who display exceptional ability in reading, writing, and speaking the English language. Self-motivation and self-discipline are essential factors for the success of students in the AP program. The students have mastered basic mechanics and can compose well-written paragraphs. Stress is placed on writing compositions three to five paragraphs in length. Advanced Placement vocabulary and close reading skills are emphasized in addition to the development of research and grammar skills.

During the school year, outside readings are required.

Summer readings with accompanying response logs are required for Pre –AP and AP English classes prior to the beginning of the course. Once the school year begins, the student will be tested over the content of the summer reading assignment and the response logs will be graded. See your counselor or English teacher for more information.

PREREQUISITE: Freshman Status

PRE-AP ENGLISH II

Course ID # 000108

This course is designed for students who display an unusual aptitude for reading, writing, and speaking the English language. Self-motivation and self-discipline are essential factors for the success of students in the AP Program. The students are capable of mastering logic and reasoning skills necessary for advanced composition and reading analysis. Advanced Placement vocabulary and close reading skills are further enhanced along with research and grammar skills.

During the school year, outside readings are required.

A state-mandated end-of-instruction test will be administered. All students must take this exam, and beginning with the Class of 2012 all students must pass this exam to graduate.

Summer readings with accompanying response logs are required for Pre-AP and AP English classes prior to the beginning of the course. Once the school year begins, the student will be tested over the content of the summer reading assignment and the response logs will be graded. See your counselor or English teacher for more information.

PREREQUISITE: Sophomore Status

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AP LANGUAGE AND COMPOSITION ENGLISH III

Course ID # 000109

This course is designed for students who display an unusual aptitude for reading, writing, and speaking the English language. The students are self-motivated and self-disciplined. Advanced composition

At the end of the course, the student will be required to take the Advanced Placement exam for college credit.

During the school year, outside readings are required.

A state-mandated end-of-instruction test will be administered. All students must take this exam.

Summer readings with accompanying response logs are required for AP English classes prior to the beginning of the course. Once the school year begins, the student will be tested over the content of the summer reading assignment and the response logs will be graded. See your counselor or English teacher for more information.

PREREQUISITE: Junior Status

AP LITERATURE AND COMPOSITION ENGLISH IV

Course ID # 000110

This course is the equivalent of a freshman-level college composition course in which students are required to read novels, short stories, dramas and poetry and write critical analyses of these works. These literary works contain adult situations and problems. Summer reading will be assigned and a research project with a literary topic is required. **At the end of the course, the student will be required to take the Advanced Placement exam for college credit.**

During the school year, outside readings are required.

Summer readings with accompanying response logs are required for AP English classes prior to the beginning of the course. Once the school year begins, the student will be tested over the content of the summer reading assignment and the response logs will be graded. See your counselor or English teacher for more information.

PREREQUISITE: Senior Status

CREATIVE WRITING (one semester)

Grades 11-12

Course ID # 000113

Creative Writing is a one semester elective English course. Students draw from their experiences and imaginations to create poetry, stories, and plays, and they share their writings in class read-arounds. Students write, revise, and edit their works for publication and contests. Students produce a class anthology of their creative writings as a final project.

NOTE: This elective course does not count toward the required English credit.

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BEGINNING JOURNALISM Grades 9-12

Course ID # 000141

This is a fast paced and challenging course that requires dedication and an interest in developing skills in journalism. Students possessing creativity, an eye for art and design, and a good understanding of English grammar and composition will succeed in this class. This class will introduce students to many aspects of scholastic publications, journalism and mass media in preparation of later joining the yearbook and newspaper staffs. Students will study the history of press media ethics and laws as applied to scholastic journalism, functions of the media and elements of news. They will learn newspaper purpose and production including brainstorming ideas, interviewing sources, writing inverted pyramid stories and editing and revising copy to present facts in an interesting and informative manner. Students will study layout and design for yearbook, headline and caption writing, and desktop publishing on Macintosh computers using Adobe InDesign and MSWord. Finally students will understand the purpose of yearbooks; how writing, editing and design differs between "hard" and "soft" news, and they will be introduced to photography composition and developing techniques.

ADVANCED JOURNALISM – YEARBOOK

Course ID # 000145

Students will be responsible for producing *The Miller*. Editorial positions will be assigned on approval of the advisor. Approval for this course will be determined by a student's performance, grades, level of self-motivation and maturity as demonstrated in Beginning Journalism. Successful completion of Beginning Journalism and/or approval by the advisor must be attained by the student. Parents and students should be aware that ad sales are required as part of the curriculum. **After-school hours will be required to meet deadlines and editors will be required to attend summer journalism workshops.**

PREREQUISITE: Sophomore, Junior or Senior Status
 Successful completion of Beginning Journalism
 Advisor Approval
 Overall "C" GPA

Parents and students should be aware that ad sales are required as part of the curriculum.

NEWSPAPER

Course ID # 000143

Students in this course are responsible for producing the *Insight*, Yukon High School's newspaper. This course also will focus on in-depth reporting and peer editing. Students must have excellent writing and design skills and must possess a willingness to become proficient on computers. A successful completion of previous journalism courses and/or advisor approval is required. **After-school hours will be required to meet deadlines and editors will be required to attend summer journalism workshops.**

PREREQUISITE: Sophomore, Junior or Senior Status
 Successful completion of Beginning Journalism
 Advisor approval
 Overall " C " GPA

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PHOTOGRAPHY

Grades 9-12 (one semester)

Course ID #000140

The purpose of this course is to enable students to develop and appreciation for the art of photography. This class will focus primarily on the aspects of digital photography, yet the basics of darkroom procedures required for developing film will also be emphasized. This class spans the realm of visualizing the subject matter to making a print that has been fully manipulated via photo editing software.

The student is strongly recommended to have access to their own digital camera, however, a small class set will also be made available to those students who do not have the means of purchasing their own. Those students who use cameras provided by the Journalism department will be held liable for any damages incurred.

PREREQUISITES: NONE

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LEADERSHIP

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LEADERSHIP

Course ID # 000213

This class is a one or two semester elective course that will train students in various aspects of tasks associated with student leadership. Experiences will include representative student government and human relations. More specifically, students will work together to plan, develop, and manage various school projects such as freshman orientation, elections, assemblies, community service and special school projects. Work will be completed both in class and after school.

RECOMMENDATION: All students holding an elected office in grade 9-12 are encouraged to complete this course.

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ACT PREPARATION

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ACT TEST PREPARATION CLASS (one semester)

Course ID # 000175

The Act Test Preparation Class is a one semester class designed to refresh basic skills and to review test-taking strategies in preparation for the English and Math portions of the ACT test. Sample tests will be given along with review exercises accentuating basic elements of standard written English and basic elements of various math classes. The student will be enrolled in the English portion for 9 weeks and in the Math portion for 9 weeks. This class is highly recommended for those who are college bound and wish to improve their entrance test scores.

PREREQUISITE: Junior or Senior Status and at least concurrent enrollment in Algebra II

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KEYSTONE

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KEYSTONE (one semester)

Course ID # 000245

This course is a required semester long orientation/transition course for all freshman. Students will be introduced to principles of leadership, study skills, test taking skills, decision making skills, resume writing, time management, career investigations, post-secondary opportunities, goal setting, character education, and community service. Freshman will take this course during the fall semester.

PREREQUISITE: Required for all freshmen

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PSYCHOLOGY OF LEARNING

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PSYCHOLOGY OF LEARNING (Academic Tutor)

Course ID # 000220

Enrollment in this class will allow a student to become an academic tutor to students identified by the receiving teacher. The course will be two semesters in length with two credits being given. Goals for the high school student enrolled are: to strengthen self-concept, to provide a valuable service to the community, to sample a career in education, to interact with others, to assume a responsible position and to strengthen the importance of formal education. Applications must be submitted and approved prior to enrollment in this course.

PREREQUISITE: Senior Status
 Approval by a committee
 Criteria: Cumulative GPA - 2.5 minimum
 Excellent Attendance Record
 Student must provide own transportation

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MATHEMATICS

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*ALL PRE-AP AND AP MATHEMATICS COURSES WILL HAVE A GRADE POINT ADJUSTMENT OF 1.0 **IF MAKING A GRADE OF AN A, B, OR C.**

MATH ENROLLMENT INFORMATION

- A. STUDENTS WHO SATISFACTORILY COMPLETE ALGEBRA I AND/OR GEOMETRY IN THE 7TH OR 8TH GRADE:

High school courses (ie.; Algebra I, Geometry, Spanish I) taken as a middle school student will appear on the student's transcript. The course grade will also be listed. However, the grade(s) will not be used in calculating high school GPA and/or Valedictorian status.

Algebra I or Geometry taken in seventh or eighth grade does not count as one of the four math courses required for graduation beginning with class of 2009. Algebra I taken during the 7th or 8th grade year is not presently accepted by the NCAA as high school credit toward the 2 years of math NCAA certification requirements (one year each of Algebra and Geometry). Students taking Algebra I and Geometry must take the state mandated EOI exams for these subjects.

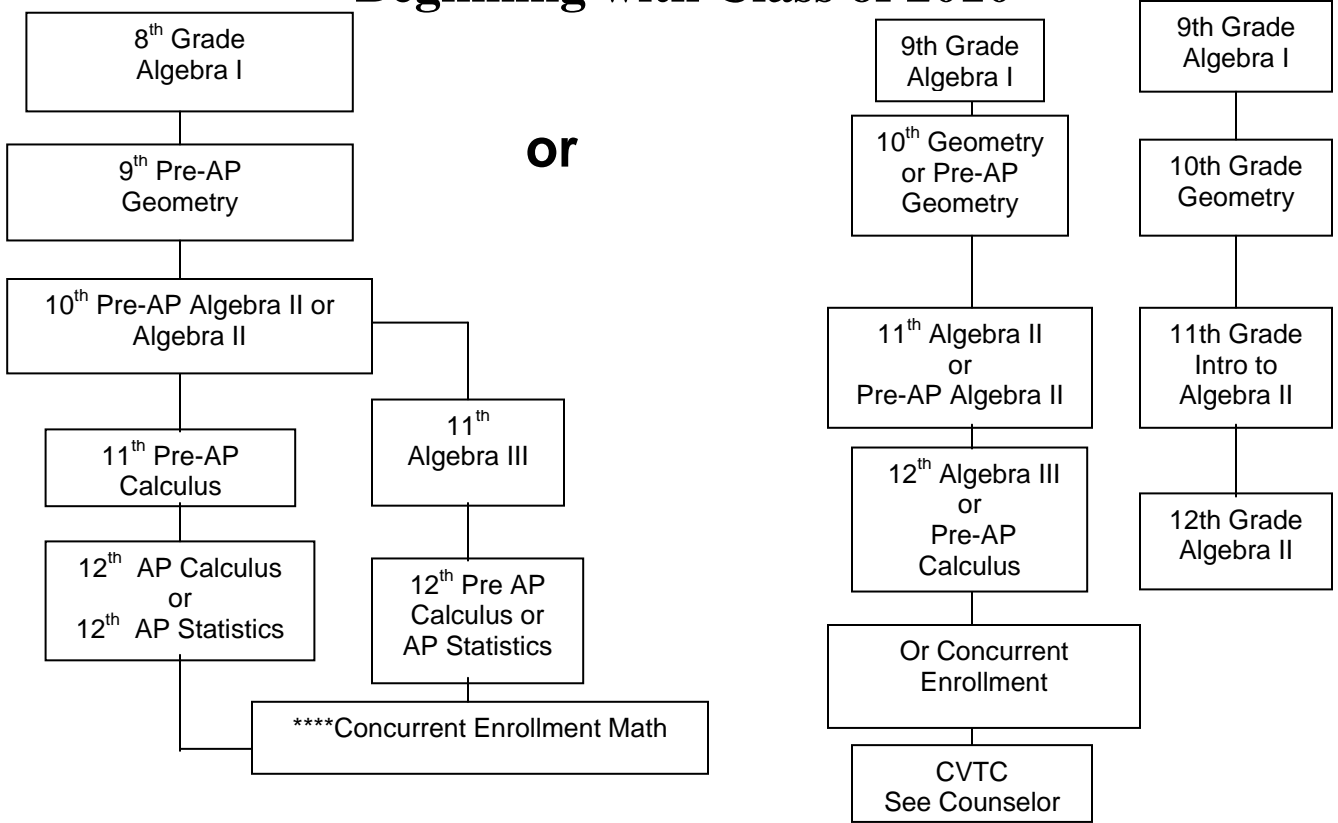
- B. NINTH GRADE MATH ENROLLMENT OPTIONS:

PRE-ADVANCED PLACEMENT GEOMETRY - THIS COURSE IS RECOMMENDED FOR STUDENTS WHO MADE AN A OR B IN ALGEBRA I AND WHO HAVE A STRONG INTEREST IN CONTINUING HIGHER LEVEL MATHEMATICS COURSES.

ALGEBRA I - For all other 9th grade students.

- C. If not making A or B in 8th grade Algebra I then it is strongly suggested the student repeat Algebra I as a freshman.**

Proposed Sequence of Mathematics Courses at YHS Beginning with Class of 2010



A student must satisfactorily complete four units of math from the above courses.

Algebra I, if satisfactorily completed at the seventh or eighth grade level, will be recorded on the high school transcript along with the grade. However, this grade will not be used in determining high school GPA and/or Valedictorian status.

A student must satisfactorily complete four years of math for grades 9-12, regardless of the math course completed at the seventh or eighth grade level.

A student can waive the fourth year math requirement by successfully completing one year of study (junior or senior) at Canadian Valley Technical Center. See your counselor for more details.

****Satisfactory completion of one semester of college math taken through concurrent enrollment (from an accredited Oklahoma college/university) during the senior year will satisfy the district requirement that a student must satisfactorily complete a math course during his/her senior year of high school. To be eligible to take concurrent enrollment math, the student must have satisfactorily completed at least Algebra I, Geometry, and Algebra II. **The student will be responsible for all fees and tuition cost associated with concurrent enrollment.**

Beginning with the Class of 2012, all students must pass the state mandated ACE Algebra I EOI exam.

NOTE: Mathematics of Finance or Intro to Algebra II will not count as a math credit required for college admittance.

NOTE: The scope and sequence of courses may be altered pending passage of legislation.

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ALGEBRA I

Course ID # 000402

This course emphasizes algebraic terms and expressions, relating them to other areas of mathematics and real world situations. Some of the specific topics include functions, equations, inequalities, graphing relation and functions, polynomials, radicals, exponential, and quadratic functions.

A state-mandated end-of-instruction test will be administered. All students must take this exam. Beginning with the Class of 2012, all students must pass the state mandated ACE Algebra I EOI exam.

GEOMETRY

Course ID # 000403

This course covers drawing and analyzing 2-and 3- dimensional figures, finding the area and volume of 2- and 3- dimensional figures, measuring angles and solving problems involving angle measures, working with parallel lines and planes, circles, coordinate geometry, transformations, slopes of lines, midpoints and distance of lines. We will utilize Algebra as we learn Geometry.

A state-mandated end-of-instruction test will be administered. All students must take this exam.

PREREQUISITE: Unit of Algebra I

PRE-AP GEOMETRY

Course ID # 000404

In addition to all the concepts presented in the Geometry course, this class will include, coordinate, transformational, and other non-Euclidean geometries. Outside projects assigned will include perspective drawing, model making, tessellations, polygon snowflakes, circle logic, and Venn diagrams.

A state-mandated end-of-instruction test will be administered. All students must take this exam.

PREREQUISITE: Unit of Algebra I
RECOMMENDED: A or B in the previous Math course

INTRO TO ALGEBRA II

Course ID # 000434

This course is a preview of Algebra II with an emphasis on solving linear and quadratic equations and inequalities by various methods, solving systems, equations, and using coordinate geometry with graphing. This course is designed for those students who had difficulties in Algebra I and Geometry and is used as an introduction to Algebra II.

This course will not fulfill requirements for college entrance.

PREREQUISITE: Algebra I and Geometry

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ALGEBRA II

Course ID # 000405

A continuation of Algebra I with an emphasis on the real and complex number systems, solving linear and quadratic equations and inequalities by various methods, using coordinate geometry with graphing, solving systems of equations, and introducing logarithms, trigonometry, or other areas of mathematics. Emphasis is placed on problem solving and applications.

A state-mandated end-of-instruction test will be administered. All students must take this exam.

PREREQUISITE: Unit of Algebra I and Geometry
RECOMMENDED: A or B in Algebra I and Geometry

PRE-AP ALGEBRA II

Course ID # 000406

This course is a continuation of Algebra I and Geometry topics with an emphasis on the real and complex number systems, using coordinate geometry with graphing, solving systems of equations, and introducing logarithms, trigonometry, or other areas of mathematics. Subject matter in this course will involve problems with more depth in preparation for higher level mathematics such as Analysis and Pre AP Calculus with Trigonometry and Calculus.

A state-mandated end-of-instruction test will be administered. All students must take this exam.

PREREQUISITE: Unit of Algebra I and Pre AP Geometry
RECOMMENDED: A OR B in the previous math course

ALGEBRA III

Course ID # 000414

A course designed for those students not prepared for Pre-Advanced Placement Calculus series, but who feel a need to improve their math background for college entrance exams and/or college itself. The course will include a review of Geometry and Algebra II with topics in Trigonometry.

PREREQUISITE: Unit in Algebra I, Geometry and Algebra II

MATHEMATICS OF FINANCE

Course ID # 000435

This algebra-based course will review areas of finance such as personal earning power, financial management, federal income tax, major purchases, and budgeting. Visual and physical models, calculators, and other technologies are recommended in order to enhance instruction and assessment.

This course will not fulfill requirements for college entrance.

PREREQUISITE: Algebra I & Geometry
Counselor approval

THE FOLLOWING PRE-AP AND AP MATHEMATICS COURSES ARE IDEALLY SUITED FOR STUDENTS WHO ARE INTERESTED IN CONTINUING THEIR STUDY IN MATHEMATICS, PHYSICS, ENGINEERING, OR OTHER TECHNICAL COURSES. A GRAPHING CALCULATOR IS USED FOR THESE COURSES

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PRE-AP CALCULUS WITH TRIGONOMETRY

Course ID # 000431

This course follows the logical development of the six trigonometric functions and their applications to the real world problems, the introduction and solving of the trigonometric identities, conversions of radians to degrees and degrees to radians, solving right triangles and oblique triangles using the law of sines and cosines, and introduces the students to vectors. This course develops an analytic model of plane geometry within the framework of algebra. The course discusses the graphs of functions, in polar and rectangular forms, lines, curves, algebraic equations, and polynomial equations; solving ratio, slope, and distance problems using formulas; transforming rectangular coordinates to polar coordinates and polar to rectangular; writing equations of lines, circles, parabolas, ellipses and hyperbolas.

RECOMMENDATION: A or B in previous math courses.

PREREQUISITE: Unit of Algebra I, Geometry, and Algebra II

*AP CALCULUS

Course ID # 000411

This course is intended for students who have a thorough knowledge of college preparatory mathematics. A brief review of Pre AP Calculus is given, first and second derivatives are determined and their use is developed by solving maximum and minimum problems and related rate problems, calculating definite and indefinite integrals, limits, graphing polynomial functions in X, finding acceleration, velocity, volume, and area using derivatives and integrals.

RECOMMENDATION: A or B in previous math courses.

PREREQUISITE: Unit of Algebra I, Geometry, Algebra II, and Pre AP Calculus

*** At the end of the course, the student will be required to take the Advanced Placement exam for college credit.**

AP STATISTICS

Course ID # 000412

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes. The topics for AP Statistics are divided into four major themes: exploratory analysis (20-30% of the examination), planning and conducting a study (10% - 15% of the examination), probability (20%-30% of the examination), and statistical inference (30%-40% of the examination).

At the end of the course, the student will be required to take the Advanced Placement exam for college credit.

RECOMMENDATION: A or B in previous math courses.

PREREQUISITE: Unit of Algebra I, Geometry, Algebra II, and Pre AP Calculus

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PRE-ENGINEERING

Grades 11-12

NOTE: This is a three (3) hour block of study offered at the Czech Hall CVTC campus. See your counselor for more information.

A college prep program exclusively for high school students. A wide course selection of math and science is taught along with four different engineering courses. Curriculum is taught at the pre-AP and AP level, including Algebra 2, Trig/Pre-Calculus, Calculus, Physics and Chemistry. Students use the design process and critical thinking skills along with modern equipment to build robots, fabricate computer designed objects, design electric circuits and perform labs for real-world application of engineering concepts. Many students earn college credit on AP tests at the conclusion of their first year.

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MUSIC - INSTRUMENTAL AND VOCAL

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INSTRUMENTAL MUSIC

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HIGH SCHOOL BAND (GRADES 9-12)

Course ID # 000550

This group includes both marching and concert bands and students are required to participate in both areas. The marching season begins in August and extends through football season. Students are required to attend the preschool marching rehearsals held in August. Students are encouraged to participate in solo and ensemble contests. Early morning (before school) rehearsals will be held periodically throughout the year and attendance is required. Previous knowledge of an instrument is required before enrolling in Band. Students are required to attend all functions of the band and to devote time to improving themselves on their instruments.

NOTE: All students enrolling in band must take the early schedule.

PREREQUISITE: Successful completion of previous year's band course.

HIGH SCHOOL JAZZ ENSEMBLE (GRADES 9-12)

Course ID # 000551

This course is for the serious musician intent upon advancing his/her talent in instrumental music. Self-discipline, poise, self-confidence, positive attitude, and cooperation with others are qualities that are nurtured in this class. Performance is stressed. All types of pop music are studied: ballad, rock, swing, time, and improvisation. Students are selected from the High School Band and must remain members in good standing of the Yukon High School Band.

PREREQUISITE: Audition required.

* NOTE: Students enrolling in HS band must take the early schedule (periods 1-6).

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VOCAL MUSIC

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MIXED CHOIR (open to all students) Grades 9-12 Course ID # 000575

Students in Mixed Chorus will study a variety of choral literature, music theory, sight reading, musicals and general choral studies. This is a non-audition choir. This course is designed to introduce students to learn to read music, learning the skills of sight reading, and solfeggio, learning vocal and choral techniques and learning skills of musical presentation. Mixed Chorus participates in community performances and concerts but does not participate in competitions. No uniform cost requirements for this class.

CHAMBER CHOIR (audition required) Grades 9-12 Course ID #000560

Students in Chamber Choir will study a variety of choral literature, music theory, sight reading, musicals and general choral studies. This course is designed to reinforce the skills of reading music, sight reading and solfeggio, learning vocal and choral techniques, and musical presentation. This is an auditioned choir with four part mixed voicing. Chamber Choir participates in community performances and concerts as well as competitions. COCDA, OCDA Jr. High All-State, OCDA Jazz ALL-State, and OMEA All-State choirs are all options for this class. OSSA eligibility applies.

UNIFORM REQUIREMENTS:

Women- approx. \$68.00 for black dress (extra fee for some sizes). Women must wear black dress shoes.
Men-approx. \$175.00 for a new full tuxedo. Men must wear black socks and black dress shoes.

JAZZ CHOIR (audition required) Grades 9-12 Course ID #000572

Students in Jazz Choir will study a variety of Jazz literature, music theory, and general choral studies. This course is designed to reinforce the skills of reading music, sight reading and solfeggio, learning vocal and jazz singing techniques, and musical presentation. This is an auditioned choir with four part mixed voicing. Jazz Choir participates in community performances and concerts as well as competitions. COCDA, OCDA Jr. High All-State, OCDA Jazz All-State, and OMEA All-State choirs are all options for this class. OSSAA eligibility applies.

UNIFORM REQUIREMENTS:

Women - Approx. \$68.00 for black dress (extra fee for some sizes). Women must wear black dress shoes.
Men - Approx. \$175.00 for a new full tuxedo. Men must wear black socks and black dress shoes.

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WOMEN'S CHORALE (audition required) Grades 9-12 Course ID #000574

Students in Women's Chorale will study a variety of choral literature, music theory, sightreading, musicals and general choral studies. This course is designed to reinforce the skills of reading music, sight reading and solfege, learning vocal and choral techniques, and musical presentation. This is an audition choir with four part women's voicing. Women's Chorale participates in community performances and concerts as well as competitions. COCDA, OCDA Jr. High and High School All State, OCDA Jazz All-State, and OMEA All-State choirs are options for this class. OSSAA eligibility applies.

UNIFORM REQUIREMENTS: Approx. \$68.00 for black dress (extra fee for some sizes) Women must wear black dress shoes.

MUSIC MENTORSHIP Course ID # 000570

Students will receive preparation and guidance for a career in music. This course will offer practical help in behind the scenes planning for a variety of musical events. Students will work on aural skills, maintaining a music library, basic theory concepts, tech. skills, etc. Student will have the opportunity to critique musical performances and observe skilled musicians and teachers. This class is an opportunity for students wanting to excel in music or pursue a career in music.

PREREQUISITES: Prior or current enrollment in an auditioned high school choir, band, and/or private lessons.

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SCIENCE

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*** ALL PRE-AP AND AP SCIENCE COURSES WILL HAVE A WEIGHTED GRADE POINT ADJUSTMENT OF 1.0 IF MAKING A GRADE OF AN A, B, OR C. **See page 43-44 for Horticulture and Animal Science information (for Science credit)**

PHYSICAL SCIENCE

Course ID # 000301

Through practical application in laboratory exercises and teacher demonstrations, students will explore the basics of chemistry and physics. Methods of identification, classification, and investigation will be used to develop problem-solving skills. Communication of ideas and data will be matured through the use of written expression, models, and graphs.

PREREQUISITE: Physical Science is required for all freshmen

PRE-AP PHYSICAL SCIENCE

Course ID # 000303

Pre-AP Physical Science is an accelerated introduction to Chemistry and Physics. The course will start with the scientific method of investigation for solving problems and study the metric system. The student will solve problems and formulas that are used in basic chemistry and physics.

The chemistry portion will begin with atomic structure and will end with the student writing and predicting balanced equations. Other areas of chemistry that will be studied are acids and bases, carbon chemistry and nuclear chemistry.

The physics portion will cover motion, force, work, power, simple machines, heat, waves, sound, and light. Labs, demonstrations and outside textbooks will be utilized for reinforcement. Projects will be used to further the use of the scientific method of investigation for solving problems, and to promote creativity and higher levels of thinking, while teaching students better planning, preparation and time management. **Only students motivated to do additional assignments and papers are encouraged to consider Pre-AP Physical Science.**

RECOMMENDATION: A or B grade in seventh and eighth grade science courses and a strong interest in continuing with higher-level science classes. Students should be able to maintain at least a B grade in class. It is strongly recommended that the student took Algebra I in eighth grade and made an A or B.

BIOLOGY I

Course ID # 000304

The course will examine the experimentation procedures of the scientific world, the processes and structural organization of living organisms and their relationship to the living world. Some major topics include scientific method, classification, cell structure and function, cell reproduction, DNA, RNA, and protein synthesis, genetics, ecology and diseases. This course will be taught through a variety of methods including, but not limited to, research papers, laboratory activities, reading, and field trips. **A state-mandated end of instruction test will be administered at the completion of the course. All studentS must take the ACE Biology I exam.**

REREQUISITE: Sophomore status

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PRE-AP BIOLOGY I

Grade 10

Course ID # 000323

This course is designed to prepare the student for a college level introductory biology course. This is a recommended course for anyone wishing to enroll in **AP Biology II**. This course will be fast paced and will have a strong laboratory component. Students enrolled in this course must be self motivated. This course uses a variety of resources, including advanced color sheets, college textbooks and lecture materials to prepare the student for the Biology I End of Instruction exam as well as AP Biology II. Exams, laboratories and assignments will be focused on the four general areas required for the Biology EOI and AP Biology II. **A state mandated End of Instruction exam will be administered. All students must take this exam.**

- I. Methods of Science
- II. Molecules and Cells
- III. Heredity and Evolution
- IV. Organisms and Populations

PREREQUISITE: Sophomore status

RECOMMENDATION: A or B in Physical Science

A or B in grade in seventh and eighth grade science classes. Students should be able to maintain at least a B grade in class.
Pre-AP Physical Science

ZOOLOGY

Grades 11-12

Course ID # 000326

This course will be a study of the animal kingdom with a concentration on comparative anatomy and physiology through dissection, lecture notes and lab activities. The overall objective will be to provide "hands-on" learning activities to allow students to see the diversity and unity of animal life beginning with unicellular organisms for working up by levels of hierarchy.

PREREQUISITES: Biology I

CHEMISTRY I

Grades 11-12

Course ID # 000308

This is a course that covers the basic principals of chemistry to help prepare the above average college-bound student. Application of theories and principals that govern the chemistry will be practiced through extensive use of the laboratory. **Good math and writing skills are a must.**

PREREQUISITES:

Algebra I, Physical Science, and Biology I

RECOMMENDATION: C or above in Algebra I and Physical Science

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PRE-AP CHEMISTRY I

Grades 11-12

Course ID # 000312

This is a fast paced course for the above average college bound student. This is recommended for anyone desiring to enroll in AP Chemistry. Application of theories and principles that govern chemistry will be practiced through use of the laboratory. Strong math and writing skills are a must.

PREREQUISITES: Algebra I Physical Science

RECOMMENDATION: A or B in Algebra I and Physical Science

NOTE: A sophomore may enroll in this course but the student will also be enrolled in Biology.

AP CHEMISTRY

Grades 11-12

Course ID # 000314

This is a fast paced course for the above average college-bound student. Emphasis is on preparation for the end of year AP Chemistry Exam. Course work is from a college chemistry book. Applications of theories and principals that govern chemistry will be practiced through extensive use of the laboratory. Strong math and writing skills are a must.

At the end of the course, the student will be required to take the Advanced Placement exam for college credit.

PREREQUISITES: Pre-AP Chemistry I
Algebra II
Biology I

RECOMMENDATION: A or B in Pre AP Chemistry I

HUMAN ANATOMY/PHYSIOLOGY

Grades 11-12

Course ID # 000345

This is a course of fundamental anatomy and physiology principles. This course includes classroom and laboratory study. It includes basic physical and life science and human body structure and function. Selected body systems are explored. The class will be taught through a variety of methods including lecture and discussion, laboratory dissections and human replica models. Students will receive laboratory experience and an understanding of the human body in its entirety.

PREREQUISITES:
Physical Science
Biology I

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ADVANCED HUMAN ANATOMY/PHYSIOLOGY

Grades 11

Course ID # 000351

This year long course will be a complete overview of the human body. The goal of the class is to examine the structures of all twelve systems that make up the body. Students will start at the cellular level and build their knowledge base to understand the multitude of individual structures that make up the entire organism. The class will be taught through a variety of methods including lecture and discussion, laboratory dissections and human replica models. Students will receive college based laboratory experience and an understanding of the human body in its entirety.

Due to the rigor of this course a 1.0 additional weight will be added to a student's GPA beginning with the Class of 2011. A grade of A, B, or C is required to receive this additional weighting. No D's or F's will have this adjustment.

PREREQUISITES:

Physical Science (Grade of A or B)
Biology I (Grade of A or B)

AP BIOLOGY II

Grades 11-12

Course ID # 000310

This course is designed to be the equivalent of a college level introductory biology course. The course will be very fast paced and with a strong laboratory component. Students enrolled in this course must be self-motivated. Exams will be designed to prepare students for the AP Biology Exam in May. Laboratory, text assignments, lecture, and exams will be focused on the three general areas covered on the AP Exam.

At the end of the course, the student will be required to take the Advanced Placement exam for college credit.

- I. Molecules and Cells, 25%
- II. Heredity and Evolution, 25%
- III. Organisms and Populations, 50%

REQUIRED: Physical Science, Biology I, Chemistry

RECOMMENDED: A or B in Chemistry, Pre AP Biology

PRE-AP PHYSICS

Grades 10-12

Course ID #000319

The course will survey the major areas of Physics with a large emphasis on mechanics, electricity, and magnetism. The class is recommended anyone desiring to enroll in AP Physics. Students interested in entering Medicine, Pharmacy, Architecture, Science or Engineering are strongly recommended to take this course. **Good math skills are a must.**

PREREQUISITES: Algebra I
Geometry and current enrollment in Algebra II or higher math.

RECOMMENDED: A or B in Algebra I and Geometry

NOTE: A sophomore may enroll in this course but the student will also be enrolled in Biology

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AP PHYSICS (B)

Grades 11-12

Course ID # 000322

AP Physics (B) is a trigonometry based class that is designed to prepare students for the AP Physics exam at the end of the year. This is a fast paced, challenging course that requires highly motivated students with an aptitude for mathematics. This course covers 6 major areas of study: mechanics, thermodynamics, wave motions, electricity, magnetism, and nuclear physics, with emphasis on the AP exam in order to receive college credit.

At the end of the course, the student will be required to take the Advanced Placement exam for college credit.

PREREQUISITES: Algebra II and concurrent enrollment in Pre-AP Calculus
Recommended: A or B in Algebra II or higher mathematics class

BIOMEDICAL SCIENCES ACADEMY

Grades 10-12

NOTE: This is a three (3) hour block of study offered at the Czech Hall CVTC campus. See your counselor for more information.

This program prepares students for careers as health and science professionals. Lessons will engage students in rigorous and relevant hands-on problems related to the human body, cell biology, genetics, diseases, and other topics. This is a college-prep course. This is a three (3) hour block of study offered at the Czech Hall campus CVTC. See your counselor for more information.

AP ENVIRONMENTAL SCIENCE

Grades 10-12

Course ID # 000342

This class is intended to be the equivalent of a one-semester, introductory college course in environmental science that is designed for self-motivated college bound students who are interested in majoring in a variety of science and non-science areas. The goal of this class is to provide students with the scientific principals, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and man made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. It is an interdisciplinary class that embraces a wide variety of topics from different areas of study. It will include a strong laboratory and field investigation component to complement the classroom portion.

At the end of the course, the student will be required to take the Advanced Placement exam for college credit.

NOTE: A sophomore may enroll in this course but the student will also be enrolled in Biology.

PREREQUISITES:

Biology I (A or B recommended)
Physical Science (A or B recommended)

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SOCIAL STUDIES

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***ALL PRE-AP AND AP SOCIAL STUDIES COURSES WILL HAVE A WEIGHTED GRADE POINT ADJUSTMENT OF 1.0 IF MAKING A GRADE OF AN A, B, OR C.**

OKLAHOMA HISTORY (one semester)

Course ID # 000200

Oklahoma History is a general survey course that examines the geographic and historic foundations of our state. Oklahoma's past is studied from its prehistory to the present. Particular emphasis is given to the relocation of the Five Civilized Tribes and the opening of the Indian Territory for white settlement. This semester course will include the cultural, economic, and political development of Oklahoma.

Required for all freshmen

PSYCHOLOGY

Grades 11-12

Course ID # 000210

Psychology is the scientific study of behavior and mental processes. Current theories such as Structural, Functional, Behavioral, Gestalt, Psychoanalytic, Existential, Humanistic, and Cognitive Psychology will be studied.

We will discuss scientific method of study, physiological structure of the brain and nervous system, perception and consciousness. In addition, the areas of human development, personality development, and psychological disorder/treatment will be studied.

AP PSYCHOLOGY

Grades 11-12

Course ID # 000205

Advanced Placement Psychology is designed to be equivalent to an introductory college course in psychology. The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principals, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. **At the end of the course, the student will be required to take the Advanced Placement exam for college credit.**

CURRENT ISSUES

Grade 12

Course ID # 000212

This course is designed to look at and discuss the issues that are currently in the news. Also included will be all relevant background information that serves to illuminate the current issues situation. This class also produces weekly video news broadcast.

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U.S. HISTORY

Grade 11

Course ID # 000203

The content of this course covers from 1850 to the present. The course looks at the effects of our past on today with a view of the possible effect on America's future. **A state-mandated end-of-instruction test will be administered at the conclusion of course instruction.**

PREREQUISITE: Required for all Juniors

AP U.S HISTORY

Grade 11

Course ID # 000204

This course is designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in American history (colonization to the present). The program prepares students for intermediate and advanced college courses. Students will learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. This course is designed for the student who has a serious interest in history.

At the end of the course, the student will be required to take the Advanced Placement exam for college credit.

The student will be required to take a state-mandated End of Instruction Test.

Summer readings are required. Summer readings prior to the beginning of the course are required for AP History classes. Once the school year begins, the student will be tested over the content of the summer reading assignment. See your counselor or history teacher for more information.

RECOMMENDATION "B" average in both Freshman and Sophomore English and History

U.S. GOVERNMENT (one semester)

Grade 12

Course ID # 000201

American Government will focus on the functions and events leading to the creation of the federal system. Comparisons will be made between different governmental and economic systems. The course will cover historical events that occurred in America from colonization until the War of 1812. Emphasis will be placed on the Constitution and the inner working of the three branches of government.

Beginning with the class of 2008 this course or AP Government is required for all seniors.

AP GOVERNMENT

Grade 12

Course ID # 000241

Advanced Placement United States Government and Politics is a year long course that is equivalent to a college introductory course in government. The course is designed to give students a critical perspective on politics and government in the U.S. and prepare students for the AP exam. The class involves studies of general concepts and analysis of specific case studies. Extensive reading and homework will be required. **At the end of the course, the student will be required to take the Advanced Placement exam for college credit.**

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WORLD HISTORY

Course ID # 000202

This course is a survey of the history of mankind, which begins with prehistory and ends with the fall of conclusion of 20th century. Genres address Priority Academic Student Skills from World History, Geography, and the Arts.

PREREQUISITE: Required for all sophomores

AP WORLD HISTORY

Course ID # 000230

This course is deigned to develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge & appropriate analytical skills. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. It emphasizes relevant factual knowledge used in conjunction with leading interpretive issues and types of historical evidence. The course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage. Periodization, explicitly discussed, forms and a organizing principle for dealing with change and continuity throughout this course. Specific themes provide further organization to the course, along with consistent attention to contacts among societies that form the core of world history as a field of study. Students will be taught the proper way to write an historical essay response.

At the end of the course, the student will be required to take the Advanced Placement exam for college credit.

RECOMMENDATION: "B" average in Oklahoma History and English I classes.

WORLD GEOGRAPHY (one semester) Grades 11-12

Course ID # 000214

This course is a study of the interrelationships among individuals and their environment. Students will explore the use of skills such as thinking, decision making, and problem solving learned in the social studies as a basis for action in a democratic society. The student will analyze contemporary global issues as well as identify and use maps, graphs, and statistical sources.

This course is also a study of the diversity and commonality among nations, races, cultures, and institutions. Students will locate and describe global patterns as well as study the major regions of the world.

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AP HUMAN GEOGRAPHY

Grade 12

Course ID # 000243

This course introduces students to the importance of spatial organization-the location of places, peoples, and events, and the connections among places and landscapes-in the understanding of human life on Earth.

Geographic concepts emphasized throughout the course includes the location, space, place, scale, pattern, regionalization, and globalization. These concepts are basic to students understanding of spatial interaction and spatial behavior, the dynamics of human population growth and movement, patterns of culture, economic use of Earth, political organizations of space, and human settlement patterns, particularly urbanization.

At the end of the course, the student will be required to take the Advanced Placement exam for college credit.

RECOMMENDATION: World Geography

AP EUROPEAN HISTORY

Grades 11-12

Course ID # 000225

This Advanced Placement history course will entail the study of European history since 1450 to end of the Cold War and introduces the students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. In addition to providing a basic narrative of events and movements, the goals of AP European History are to develop (a) an understanding of some of the principals themes in modern European History, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing.

At the end of the course, the student will be required to take the Advanced Placement exam for college credit.

IMPORTANT NOTE: This course is an elective which means it will be taken in addition to any required courses for whichever grade level the student is in. For example, the Junior would take this course in addition to U.S. History. **It is not a substitute for required courses.**

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TECHNOLOGY EDUCATION CABINETRY
Beginning with Class 2010 these courses are considered free electives.

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CABINETRY I

Grades 9-12

Course ID #000920

The introduction to Cabinetmaking program is designed to prepare students to transition into an Advanced Carpentry program. Technology Center program and/or perform beginning-level cabinetmaking tasks under the supervision of an experienced cabinetmaker. Students receive instruction in wood materials selection, general safety, stationary machine safety, and portable power tool safety. Students learn how to create a working drawing and read working plans and blueprints. Students learn basic wood protective finish, and how to apply mathematics and reading comprehension into their daily work. **Class fees: \$50.00**

TSA is an integral part of this course and therefore students are strongly encouraged to join. While being a member, students will have opportunities to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$10 which includes local, state and national memberships

CABINETRY II

Grades 10-12

Course ID# 000921

After completing small, personal projects, this course is designed to produce larger scale projects and is split into two sections, Advanced Cabinetry and Construction I. This continues to build skills and knowledge levels of cabinet making and also includes an Introduction to Carpentry and Design.

Class Fees: \$50.00

Skills USA is an integral part of this course and therefore students are strongly encouraged to join. While being a member, students will have opportunities to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$10 which includes local, state and national memberships.

tudents will receive basic instruction in framing, construction material, blueprint reading, and safety.

COMPUTER AIDED DRAFTING AND DESIGN *

Grades 11-12

.NOTE: This is a three (3) hour block of study offered at the Czech Hall CVTC Campus. See your counselor for more information.

Emphasis is on basic computer aided drafting; technical, architectural, and structural drafting. AutoCAD is used in both basic and advanced drafting. Students will learn geometric dimensioning and tolerancing, drafting theory and techniques, 3-D animation, mechanical and civil drafting, blueprint reading and several of the latest software titles.

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CAREER TECHNOLOGY (AGRICULTURE)
Beginning with Class 2010 these courses are considered free electives.

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INTRODUCTION TO AGRISCIENCE (AG I)

Course ID # 001060

This course is designed to be the introductory course for all courses in Agriculture. Course content emphasizes science-based approaches to the agricultural industry, natural resources, animal science, plant/horticulture and soil science, agricultural safety, agribusiness and economic principles, careers, and agricultural mechanics. FFA is an integral part of this course and therefore students are strongly encouraged to join. While being a member, students will have opportunities to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$15 which includes local, state and national memberships.

Animals are NOT required.

***ANIMAL SCIENCE

Grades 10-12

Course ID # 001061

This course is designed for students interested in learning the fundamentals of science-based animal agriculture. Course contents include the importance and scope of agricultural animals, taxonomy, anatomy, physiology, reproduction, nutrition, health and disease management, facilities and equipment, and production practices of popular species. Evaluation, fitting, showing, marketing, animal ethics and safety are also included. FFA is an integral part of this course and therefore students are strongly encouraged to join. While being a member, students will have opportunities to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$15 which includes local, state and national memberships.

This course counts as a third science requirement for YHS graduation. See your counselor for details.

PREREQUISITE: Agriculture I

*****THIS COURSE WILL NOT FULFILL REQUIREMENTS FOR COLLEGE ENTRANCE**

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EMPLOYMENT IN AGRIBUSINESS I Grades 11-12

Course ID # 001071

This course includes fundamentals of managing and operating agricultural businesses, economic systems and business methods, entrepreneurship, legal regulations, and records and financial analysis as well as agricultural commodity and international marketing, promotion/advertising, and technology in sales and marketing. The course includes a work-study component that is designed for students who have a job in an agriculture-related field. FFA is an integral part of this course and therefore students are strongly encouraged to join. While being a member, students will have opportunities to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$15 which includes local, state and national memberships.

PREREQUISITE:

Completion of one year of Agriculture
Must have teacher approval
Must be currently enrolled in an Agriculture class

AGRICULTURAL WELDING APPLICATIONS

Grades 10-12

Course ID # 001066

Upon completion of this unit, the student will gain a background into the various welding processes used in the agricultural field. This unit will include both the theory and technical practices of the different processes the student chooses. FFA is an integral part of this course and therefore students are strongly encouraged to join. While being a member, students will have opportunities to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$15 which includes local, state and national memberships.

PREREQUISITE: Teacher approval

**HORTICULTURE

Grades 11-12

Course ID # 001068

This course is designed for students who wish to develop knowledge and skills related to ornamental horticulture, including floristry, landscaping, turf, and greenhouse production. Content includes species and importance of horticultural plants, plant safety, plants as living organisms, sexual and asexual reproduction, plant growth, and cultural practices, including the use of greenhouses and other growing structures. Disease and pest management, plant nutrition, and growth regulation are included. FFA is an integral part of this course and therefore students are strongly encouraged to join. While being a member, students will have opportunities to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$15 which includes local, state and national memberships.

This course counts as a third science requirement for YHS graduation.

PREREQUISITE:

Teacher Approval

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****INTRODUCTION TO NATURAL RESOURCES** Grades 10-12 Course ID # 001065

As a one-unit course, Introduction to Natural Resources & Environmental Technology is for students with interest in the overall use and stewardship of natural resources and the environment. Course content includes the meaning, kind, and importance of natural resources, issues associated with preservations and conservation, kinds of resource use, human population demands, recycling, reusing, sustainability, ecology, Earth and solar system, weather and climate, biosecurity, soil, water, air, wildlife, land and land description, energy, minerals, rangeland, owner responsibilities, and waste management. FFA and supervised experience will also be included as appropriate. **Students are strongly encouraged to participate in FFA. DUES are \$15.00**

****THIS COURSE WILL NOT FULFILL REQUIREMENTS FOR COLLEGE ENTRANCE.
SEE YOUR COUNSELOR FOR MORE DETAILS.**

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CAREER TECHNOLOGY (FAMILY & CONSUMER SCIENCE)
Beginning with Class 2010 these courses are considered free electives.

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FAMILY AND CONSUMER SCIENCE I

Grade 9

Course ID # 001056

This is a comprehensive study intended to generate basic knowledge and skills in child development, clothing and textiles, consumer education, food and nutrition, housing and home furnishings, personal development, and personal and family relationships. Attention is also focused toward assisting students in career study and participating in the Family and Consumer Science youth organization, Family, Career and Community Leaders of America (FCCLA).

FCCLA is an integral part of this course and therefore students are strongly encouraged to join. While being a member, students will have opportunities to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$20 which includes local, state and national memberships.

CONSUMER EDUCATION (one semester) Grades 10-12

Course ID #001032

This course is an in-depth study to aide students in becoming productive consumers. They will learn about advertising, and resolving consumer problems, as well as the economy. They will have an opportunity to participate in the Oklahoma stock market game and will have the opportunity to job shadow with emphasis on career planning. The students will develop a personal financial system, explore savings and investment opportunities and learn to resolve credit problems. Students will also learn about transportation and housing, time management, and wills and funerals.

FCCLA is an integral part of this course and therefore students are strongly encouraged to join. While being a member, students will have opportunities to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$20 which includes local, state and national memberships.

FOOD SCIENCE AND NUTRITION (one semester) Grades 10-12

Course ID # 001041

Food Science and Nutrition is designed to help students apply science concepts and principles to their daily lives. Emphasis is placed on food handling and storage, food products and processing and application of specific food science principles. This course will also provide students with accurate information about foods and nutrition basis for making informed choices, address healthy food choices and the relationships among food, nutrients and the body. The class will help students build specific consumer skills important for success in the workplace and home. Using recipes, interpreting food labels, identifying strategies for purchasing and preparing foods, planning meals at home, applying a research-based food guidance system (the Food Guide Pyramid), and modeling appropriate rules of etiquette while eating at home or in professional situations are examples of units and concepts which address this goal. Also incorporated into the class are job-readiness skills, which include preparing a career portfolio and participating in a day of job shadowing

FCCLA is an integral part of this course and therefore students are strongly encouraged to join. While being a member, students will have opportunities to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$20 which includes local, state and national memberships.

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ADULT AND FAMILY LIVING (one semester) Grades 10-12 Course ID# 001053

This class is intended as a guide to independent living. Class content includes: personal and physical development, managing financial resources, clothing care, basic clothing construction, foods and nutrition, housing decisions, with emphasis on career planning. Students will have an opportunity to job shadow an occupation of their choice.

FCCLA is an integral part of this course and therefore students are strongly encouraged to join. While being a member, students will have opportunities to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$20 which includes local, state and national memberships.

PREREQUISITES: Sophomore through Senior status

MARRIAGE AND FAMILY LIFE (one semester) Grades 10-12 Course ID # 001040

Included is a study of personalities, relationship skills, communication skills, planning a wedding, budgeting, and effectively handling crisis. Also incorporated into the class are job-readiness skills, which include preparing a career portfolio and participating in a day of job shadowing.

FCCLA is an integral part of this course and therefore students are strongly encouraged to join. While being a member, students will have opportunities to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$20 which includes local, state and national memberships.

PERSONAL CLOTHING MANAGEMENT (one semester) Grades 10-12 Course ID # 001030

Students learn sewing and construction skills while completing several fun and creative projects using a sewing machine, serger and monogramming machine. The course is designed to encourage student creativity and develop practical skills. **Students are required to supply materials and money for projects.** Also incorporated into the class are job-readiness skills, which include preparing for a career portfolio and participating in a day of job shadowing.

FCCLA is an integral part of this course and therefore students are strongly encouraged to join. While being a member, students will have opportunities to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$20 which includes local, state and national memberships.

APPAREL DESIGN I Grades 11-12 Course ID # 001020

Apparel Design I is a course that focuses on fabrics and textiles, body analysis, altering flat patterns, construction techniques, alterations of ready-made clothing, business principals in custom sewing and merchandising. Students will use sewing machines, sergers, and computerized embroidery/monogramming machines to complete projects in class. **Students are required to supply materials and money for projects.** This class is strongly recommended for anyone wanting to work in the fashion industry.

FCCLA is an integral part of this course and therefore students are strongly encouraged to join. While being a member, students will have opportunities to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$20 which includes local, state and national memberships.

PREREQUISITES: Personal Clothing Management or Instructor's Approval

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APPAREL DESIGN II

Course ID #001022

Apparel Design II is a continuation of Apparel Design I that focuses on fabrics and textiles, fashion sketching, construction techniques, and business principles in custom sewing and merchandising. Students will use sewing machines, sergers, and computerized embroidery/monogramming machines to complete projects. An alterations, repairs, and machine embroidery business will be operated by the apparel design students during class. **Students are required to supply materials and money for projects.**

FCCLA is an integral part of this course and therefore students are strongly encouraged to join. While being a member, students will have opportunities to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$20 which includes local, state and national memberships.

PREREQUISITES: Personal Clothing Management and Apparel Design I

PARENTING AND CHILD DEVELOPMENT (one semester) Grades 10-12 Course ID # 001026

Students learn about children's needs and their development from conception through school age. Students will gain skills by caring for the "Real Care Baby" simulator as part of the curriculum and will have the opportunity to work with day care and/pre-elementary students to enhance their classroom experiences. Also incorporated into the class are job-readiness skills, which include preparing a career portfolio and participating in a day of job shadowing.

FCCLA is an integral part of this course and therefore students are strongly encouraged to join. While being a member, students will have opportunities to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$20 which includes local, state and national memberships.

HOUSING AND HOME FURNISHINGS (one semester) Grades 10-12 Course ID # 001031

This class increases knowledge and develops skills in living space and its design, home selection and home finance, housing exteriors and interiors, selection and purchase of furnishings, and employment opportunities in the area of housing and home furnishings.

FCCLA is an integral part of this course and therefore students are strongly encouraged to join. While being a member, students will have opportunities to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$20 which includes local, state and national memberships.

Students are required to supply materials and money for projects.

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CULINARY ARTS

Grade 11-12

Course ID # 001029

This course will focus on learning and practicing basic culinary skills and techniques used in the food industry focusing on the use of commercial kitchen equipment and quality cooking. Students will be introduced to culinary vocabulary, safety and sanitation, history of the food industry, ingredients, equipment, principles and techniques of cooking, and will learn to prepare food and how to present it, in a fun, professional team environment. Class instruction will include lecture, cooking demonstrations and hands on practice by the students. All basic cooking methods (blanching, poaching, boiling, steaming, sautéing, braising, roasting, baking, etc.) will be covered. These techniques will be practiced by the students with off-site catering opportunities and field trips as they arise as well as in house (YPS school district Activities and Events) that will be required. Full chef uniform is provided for outside activities. Students must purchase an approved knife kit and black closed kitchen shoes.

FCCLA is an integral part of this course and therefore students are strongly encouraged to join. While being a member, students will have opportunities to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$20 which includes local, state and national memberships.

PREREQUISITES: FACS I or Food Science and Nutrition or Teacher Approval

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MEDICAL PROFESSIONS ACADEMY ELECTIVES

Beginning with Class 2010 these courses are considered free electives.

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APPLIED HEALTH (one semester) Grade 10 Course ID # 001091

This course is designed for students interested in pursuing a career in the health field. This course will introduce students to various health concepts and related careers. Medical issues and real patient scenarios will be used to strengthen the students' problem-solving, research, and teamwork skills. Subject matter will prepare students for higher level medical classes such as Medical Terminology, Medical Careers, and First Responder.

HOSA is an integral part of this course and therefore students are strongly encouraged to join. While being a member, students will have opportunities to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$20 which includes local, state and national memberships.

MEDICAL TERMINOLOGY (one semester) Grades 10-11 Course ID # 001092

Medical Terminology is a course designed to teach students the vocabulary used in health care by professions and related areas. In this class students will learn root words, prefixes, suffixes, pronunciation, and abbreviations used in medical terminology. Students will learn how these terms are applied to various body systems (anatomy), diagnostic procedures and pharmacology.

HOSA is an integral part of this course and therefore students are strongly encouraged to join. While being a member, students will have opportunities to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$20 which includes local, state and national memberships.

FIRST RESPONDER (one semester) Grades 11-12 Course ID # 001094

This course is designed to instruct a student to the level of First Aid and Adult/Child/Infant CPR certification that serves as a vital link in the chain of the health care team. This curriculum includes skills necessary for the individual to provide emergency medical care with a limited amount of equipment. This course consists of classroom and laboratory instruction.

HOSA is an integral part of this course and therefore students are strongly encouraged to join. While being a member, students will have opportunities to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$20 which includes local, state and national memberships.

PREREQUISITES: Successful completion of Medical Terminology I and II

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SPORTS MEDICINE (one semester) Grades 11-12 Course ID # 001095

The Sports Medicine industry is one of the fastest growing and most exciting careers in the health industry. This class will give a solid background in Sports Medicine. The class will teach students to create an injury prevention program (physical exam, conditioning programs, equipment fitting, and nutrition). Students will learn to assess injuries, basic musculoskeletal anatomy, and provide emergency care. Along with the skills such as rehabilitation programs, taping, wrapping, and bracing.

HOSA is an integral part of this course and therefore students are strongly encouraged to join. While being a member, students will have opportunities to develop leadership skills, organization skills, participate in community service projects, compete, and much more. Dues are \$20 which includes local, state and national memberships.

PREREQUISITES: Medical Terminology

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TECHNOLOGY EDUCATION

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Course Descriptions for 2010-2011

NOTE: These courses may be taken in two or three hour blocks. See your counselor for more information.

Auto Collision Technology

Learn collision repair with an emphasis placed on late model vehicles. This is an ASE/NATEF certified training facility.

Auto Service Technology II

Offers training in engine performance drivability, engine repair and electrical systems. ASE certified program.

Aviation Maintenance Technology *

Includes both airframe and power plant. Provides experience in aircraft shop practice, maintenance and repair. FAA approved program. ADULTS ONLY.

Business Office Technology *

Offers training in general office skills, office management, administrative assisting, customer service and legal administrative work.

Computer Repair / Networking *

First-year students will learn to build, design, configure, troubleshoot and repair computer hardware, software and operating systems, including LANs and WANs (local and wide area networks) hubs, switches, routers and cabling. Second-year students will focus on cyber-security—learning how to defend computers and networks against cyber attackers.

Construction Trades

Develop skills in current commercial and residential building techniques in frame and finish carpentry. Emphasis is placed on preparing students to build durable, reliable structures. Classroom instruction includes a variety of building projects that allow students to hone expertise and prepare them for building and remodeling.

Cosmetology

Prepares students for the State Board of Cosmetology exam with training that includes hair, nail and facial treatments. Students will study all the latest beauty techniques in CV Tech's full-service on-campus salon. (Must enter as a junior and be at least 16.)

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Diesel Technology

Special emphasis is on preparing students to inspect, maintain and repair heavy duty, over-the-road trucks and equipment. Learn about diesel engines, power train components, fuel and electrical systems, air brake systems and cab air conditioning in an ASE/NATEF certified training facility.

Early Care and Education *

Prepares students for employment in child care occupations. Learn to care for the cognitive, social and developmental needs of children in all stages. Receive hands-on experience in our Child Development Center.

Electrical Trades Technology

Students receive a technical knowledge of electricity and low voltage systems and will be able to repair and install all types of electrical wiring. Graduates are prepared to do everything from wiring a new building for electricity to repairing motor circuits and industrial equipment.

Graphic Design

An excellent primer for careers in graphic design, communications, journalism or advertising. Students learn fundamental design principles and cutting-edge software for the expertise needed to create and produce innovative advertising and promotional materials.

Health Careers *

First-year students gain core knowledge in anatomy, physiology, medical terminology, first aid and more. In year two, students can put their knowledge to use during clinical rotations in hospitals, nursing homes, clinics, dentist's offices, vet clinics and other health agencies.

Heating, Ventilation, Air Conditioning, & Refrigeration

Learn fundamentals of safety, mechanics, refrigeration and electricity for HVACR; residential and light commercial air conditioning; domestic refrigeration; commercial refrigeration; and sheet metal. All training applies toward Journeyman License.

Interactive Media & Web Technology *

Includes web design and digital media production. Learn how to create and animate graphics using programs such as PhotoShop, ImageReady, Illustrator and Flash. Digital Media students will focus on Adobe Premiere, After Effects and Final Cut.

Medical Office Technology *

Students learn administrative medical assisting; medical coding; ICD-9 & CPT; medical billing; computerized accounting; medical insurance; transcription; office assistance and medical terminology.

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Precision Machining Technology

Instruction is given in setup and operation of machine tools such as lathes, grinding and milling machines. Students will learn blueprint reading, math and measuring and will set up, operate and manually program CNC (Commercial Numerical Control) equipment in designing and fabricating machined parts. Many graduates enter the workplace in the aerospace parts industry or oil field supply industry in the Oklahoma City metro area.

Project Connect

This is an alternative education program designed to assist students ages 16-19 obtain a marketable skill and at the same time earn the credits necessary to receive a high school diploma. Students must be referred by home school principal or counselor.

Service Careers

Learn horticulture, floral design, custodial skills and customer service. Emphasis is on the development of employability skills and attitudes.

Welding

Obtain qualifications to become a certified welder in Shielded Metal Arc Welding (STICK), Gas Metal Arc Welding (MIG), Flux Cored Arc Welding, and Gas Tungsten Arc Welding (TIG). Instruction is also given in oxy-fuel cutting and weld shop blueprint reading.

The following courses are offered at the Dr. Earl Cowan Campus on
Czech Hall Road & SW 15th.

Biomedical Sciences Academy ** **Grades 10-12**

This program prepares students for careers as health and science professionals. Lessons will engage students in rigorous and relevant hands-on problems related to the human body, cell biology, genetics, diseases, and other topics. This is a college-prep course. This is a three (3) hour block of study. See your counselor for more information.

Computer Aided Drafting and Design * **Grades 10-12**

Emphasis is on basic computer aided drafting and technical, architectural, and structural drafting. AutoCAD is used in both basic and advanced drafting. Students may also learn about the fast-growing 3D animation field. Prepare for entry into TV animation, 3D illustration, digital art, video production and video game design. Graduates may choose self employment or continue studies in college to prepare for further career opportunities.

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Computer Programming *

Learn how to write object oriented programs using various programming languages to create event-driven programs. Students will also learn to code game engines to create computer video games or other interactive applications with real-time graphics. The various languages covered include HTML, PHP, JAVA, C++, C#, Visual BASIC.Net and MySQL.

Health Careers *

First-year students gain core knowledge in anatomy, physiology, medical terminology, first aid and more. In year two, students can put their knowledge to use during clinical rotations in hospitals, nursing homes, clinics, dentist's offices, vet clinics and other health agencies.

Pre-Engineering **

A college prep program exclusively for high school students. A wide course selection of math and science is taught along with four different engineering courses. Curriculum is taught at the pre-AP and AP level, including Algebra 2, Trig/Pre-Calculus, Calculus, Physics and Chemistry. Students use the design process and critical thinking skills along with modern equipment to build robots, fabricate computer designed objects, design electric circuits and perform labs for real-world application of engineering concepts. Many students earn college credit on AP tests at the conclusion of their first year.

Pre AP and AP courses taken through Pre-Engineering will receive a 1.0 weighted grade for grades of A, B, or C.

**Pre AP and AP courses taken will receive a 1.0 weighted grade for grades of A, B, or C.

*** College Credit Available**

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TRANSITION PROGRAMS

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COOPERATIVE SCHOOL/REHABILITATION WORK-STUDY PROGRAM

The main objective of the Cooperative Work-Study Program is to prepare students with disabilities for competitive employment within the community. This course will promote successful transition from school to post-school employment. Enrollment in this program will be determined by the IEP team.

TRANSITION CENTER

To provide students with disabilities the necessary educational experiences that are needed to develop the skills required for successful employment. Students will receive training in the transition center to develop necessary employment skills. When they demonstrate competency in these skills, they will move into the community to practice these skills within the appropriate businesses. The goal is for the students to secure competitive employment within their own community.