

Labette County High School 2010-2011 Curriculum Catalog

Labette County High School has a rich tradition of excellence in academic, athletic and vocational (career & technical) education. This course catalog will give a list of the courses, a description of each course, and the course prerequisites. Please pay careful attention to the prerequisites (in the course description in bold), as this statement will tell you what you must do in order to take the class.

Career & Technical Education

Labette County High School offers a variety of Career & Technical Education programs to students: Agriculture, Business Technology, Building Trades, Health Careers, Family & Consumer Sciences, Technology (Machine Tool and Welding), Automotive Service, Cabinetmaking/Wood Technology, Graphic Arts, Drafting, and Electronics. Many of these programs give students the opportunity to become involved in on-the-job training activities.

Special Services & Credit Completion

Labette County High School offers a variety of programs for students who are experiencing difficulty or who are struggling with traditional courses. In addition to offering individual education services, LCHS also has a "Transition for Success" program for students who have experienced limited success or are behind on credits. Grade 8 parents and students should consult your teacher(s); or Mr. Spruill, Guidance Counselor (784-5321 ext. 1043).

Power School

Labette County High School has started a program, called Power School, that allows you to see your grades, attendance, lunch balance, and other information online. You will be able to access this information from any computer that can access the internet. You will receive a user id and password at final enrollment.

Enrollment Information & Instructions

Enrollment begins in March and is completed in mid-April. Grades 9-11 will receive instructions in class meetings and work on enrollment through homeroom. All students should take enrollment seriously as the courses chosen will determine what and when courses are offered. A master schedule is built from the number of requests for each course. Students should consult their parents and teachers for help as well as check graduation requirements to insure a successful high school program of studies. Students will be able to pre-enroll in courses through Power School. All students are required to complete final enrollment in August.

Graduation Requirements

Subject	Required Courses	Class of 2014 (9)	Class of 2013 (10)	Class of 2012 (11)	Class of 2011 (12)
English		4 credits	4 credits	4 credits	4 credits
Math		3 credits	3 credits	3 credits	3 credits
Science	(Including Biology or Honors Biology)	3 credits	3 credits	3 credits	3 credits
Social Studies	(Including 1 sms W. History, 1 sms Constitution, & 1 year American History)	3 credits	3 credits	3 credits	3 credits
Physical Education		1 credit	1 credit	1 credit	1 credit
Fine Arts		1 credit	1 credit	1 credit	1 credit
Career & Technical Ed.	(Any course in Career & Technical Ed—must be taken in Grade 9 or 10)	1 credit	1 credit	1 credit	1 credit
Electives		9 credits	9 credits	9 credits	9 credits
TOTAL CREDITS		25 credits	25 credits	25 credits	25 credits

Check your credits before you complete enrollment. (1) Using your transcript and current course schedule, write next to the number of credits required for graduation how many credits you currently have; (2) Cross off the names of the courses required for graduation that you have taken and (3) make a list of what you need to take and consult the curriculum catalog.

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English				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
English I	9	1101	1 Cr.	English I is designed to introduce the elements of literature and apply them to a variety of short stories, plays, poetry, and novels. Reading strategies to further student comprehension will be practiced. Development in the fundamentals of writing and oral communication will be continued.
Honors English I	9	1113	1 Cr.	In this course, students will be expected to continue to develop in the fundamentals of writing, reading, and oral communication with greater sophistication. Elements of literature will be introduced and applied to short stories, classical and contemporary plays, poetry and novels. Students will also use the QAR (Question-Answer-Relationship) and 6-Trait Writing strategies.
English II	10	1201	1 Cr.	Students will use elements of literature to analyze, critically think about, and respond to multicultural stories, novels, plays, and poetry. Expository and persuasive writing skills will be polished through the development of different compositions. Placement in this course follows successful completion of English I or Honors English I.
English II Honors/AP	10	1243	1 Cr.	This course is designed to challenge the student with the examination of various literary genres and forms of self-expression through composition and discourse—including but not limited to narrative, description, persuasion, and exposition. Students will be introduced to the fundamentals needed to be successful in the AP program nationwide as well as in the collegiate setting. Students enrolled will be expected to complete a summer reading assignment. Successful completion of English 1 with a C or better. Successful completion of Honors English I.
English III	11	1301	1 Cr.	English III is American literature, including short stories and novels with the outcome of reading comprehension. Various strategies will enhance writing techniques, note taking skills, and vocabulary. Emphasis is placed on a fusion of reading and writing. Students will use 6-trait writing strategies. Course will include portfolios, college applications, and real world writing experience. Successful completion of English II required.

English				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
English III Honors/AP	11	1310	1 Cr.	The essential focus of this course is to specifically prepare students to write confidently and effectively in their college courses, across the curriculum and in their professional and personal experiences. Students read and analyze an array of complex texts from classics like Common Sense and The Crisis (Paine), Remarks Concerning The Savages of North America (Franklin), Letters From An American Farmer (Crevecoeur), Narrative Of the Life of Frederick Douglass (Douglass) to contemporary pieces such as Things Fall Apart (Achebe), What Should I do with My Life (Bronson), The Great Gatsby (Fitzgerald), Why Schools Don't Educate (Gatto). Students glean information about strategies and stylistic devices used by writers of both fiction and nonfiction. Students study the connotation of vocabulary used by these professionals in order to develop their skill of vocabulary mastery for composition and reading comprehension purposes.
				Students practice timed writing responses in the 5 paragraph model to the analysis of a variety of texts in preparation for the AP national test and for the variety of written composition that education and life in general require--narrative, expository, persuasive and descriptive. Students complete a college research project in which they must peruse the current literature available as well as communicate with former students about their college selection process and experience. The end result is a presentation to their classmates regarding the information they have gathered. They sustain a challenging outside reading program focused on the College board's current suggested reading list. That reading program culminates with a presentation as well--from power point to storyboard. As a result of this rigorous exposure to fine literature and composition, the student will compile a personal writing portfolio. Students have the opportunity and are encouraged to take the AP test and earn college credit in the spring.
				Successful completion of Pre-AP or English II.
English IV	12	1401	1 Cr.	English 4 builds on English 3 and continues to develop grammar skills, sentence structure, research skills, and composition skills. The development of critical thinking skills, and writing skills is emphasized. The class includes a literature survey of selected short stories, novels, plays, and other nonfiction taken from English and world literature. (Students will use the 6-Trait Writing strategies.)

English				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
English IV Honors/AP	12	1410	1 Cr.	The primary focus of this class deals with advanced composition skills through the analysis of classic and contemporary British literature and other texts. In writing assignments, students are expected to demonstrate mastery of reading and writing skills introduced in Pre-AP and AP Language and Composition. This class is taught on the college freshman level and students are expected to think, read, and write critically and creatively at that level. <u>A summer reading assignment will be required.</u> Students will have the opportunity to take the Advanced Placement Test at the end of the year with the possibility to receive college credit. Successful completion of English III or AP Language & Comp. With a C or better.
English Comp. I	12	1343	.5 Cr 1 st sms. only	This course develops student's abilities in basic, written communication skills. Persons who plan to receive any type of degree must be able to communicate effectively, through both the spoken and written word; this class provides the guidance in the areas of traditional expository text structure and grammar. By using identified text structure, students gain knowledge in providing information in a logical, organized process. This class uses critical thinking skills to master language and writing skills.
General Literature	12	1344	.5 Cr 2 nd sms only	This introduction to literature course is organized around three major literary genres--short fiction, poetry, and drama. The focus is on the elements of literature that these genres have in common--plot and structure, character, setting, style, symbolism and myth, and theme. Although these common elements are considered individually in the study of each genre, the emphasis remains on the interrelationship of the elements in the literary text; they function together to produce a whole that is greater than the sum of its parts. The course also places a strong emphasis on writing about literature as an act of discovery and as a way for students to enhance their composition and critical thinking skills. Some writing activities are personal responses; some are analytical and interpretive essays.

Mathematics				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
Algebra I	9-12	6102	1 Cr.	Algebra is a course designed to introduce students to the basic language and mathematical operations of all sciences. In the course, students learn the rules and language of algebra in the set of real numbers. Variables, or symbols for numbers, are introduced and students learn to operate with numbers and variables over the four basic operations of mathematics. This sequence leads to the solution of linear and quadratic equations. This course serves as a background for further study in science and/or mathematics.
Algebra A	9-11	6103	1 Cr.	This is an algebra course designed for a wide variety of students who need more time to acquire the mathematics standards necessary to meet the state Algebra I requirement. This approach is more "hands on," interactive and in-depth, with ongoing support of basic mathematics skills. Algebra A is a year long course covering the first half of Algebra I standards, as well as review of the general mathematics standards. It may be followed up with Algebra B, thus completing the Algebra I requirement. Passing Algebra 1 or both Algebra A and B is a state requirement.
Algebra B	10-12	6104	1 Cr.	This is an algebra course designated for a wide variety of students who need more time to acquire the mathematics standards necessary to meet the state Algebra I requirement. This approach is more "hands-on," interactive and in-depth, with on-going support of basic mathematics skills. Algebra B is a year long course covering the second half of Algebra I standards. If both Algebra A and Algebra B are completed successfully, then the state Algebra I requirement will be fulfilled. Algebra A or one semester of Algebra I is required.
Consumer Math	10-12	6105	1 Cr.	Students are introduced to such everyday life skills as balancing a checkbook, calculating net pay, budgeting expenses, making cost comparisons, buying and renting a home, and finding the cost of operating a motor vehicle. Basic business matters, including borrowing money, investing, and calculating business profits and losses are also included. The goal of this course is to guide students in building a strong foundation in logical thinking and problem solving that will enable them to make good decisions concerning matters of money and finance in their daily lives. Several projects and activities will allow them to use the skills and knowledge they gain from this course and apply them to real-life situations. Basic computer skills are recommended.
Algebra II	10-12	6202	1 Cr.	Algebra II is an extension of Algebra I. Basic fundamentals used in Algebra I are applied in a higher degree of difficulty. Thinking and problem solving techniques are stressed throughout the course. A good use of class time and good study skills are needed to be successful in this course.

Mathematics				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
Geometry	11-12	6203	1 Cr.	Geometry deals with the study of points, lines, planes, and properties relating to them. Some of the specific goals of this course are to help the student achieve the technique of logical thinking, to be able to solve simple proofs, to gain appreciation for precision of language in mathematics, and to encourage independent thinking.
Pre-Calculus	12	6404	.5 Cr. 1 st sms	Pre-Calculus continues the math program for students interested in College Algebra and is an introduction to Calculus. This course includes graphing, functions, polar coordinates, limits, and the derivative and logarithms. Upon completion of this course, students should be prepared for Calculus. Available for concurrent credit: ACT Reading 18 or above COMPASS Reading 75 or above; ACT Math 20 or above COMPASS Math 57-100
Trigonometry	12	6401	.5 Cr. 2 nd sms	Trigonometry is recommended for college bound students planning to take advanced courses in mathematics, engineering, physics, or other scientific fields. This course includes the six basic trigonometric functions: radian measure, graphs of trigonometric functions, identities, use of tables, and the use of trigonometry in the solution of problems. The use of graphing calculators is required. Available for concurrent credit: ACT Reading 18 or above COMPASS Reading 75 or above; ACT Math 20 or above COMPASS Math 57-100

Science				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
Earth/Space Science	9	3401	1 Cr.	This freshman course is designed to engage students in scientific inquiry or the processes scientists use to study the natural world. The course emphasizes earth and space science content although some life and physical science concepts are included. Students will learn science by doing science. All students should find this course interesting and meaningful to daily life.
Biology	9-11	3202	1 Cr.	A yearlong course open to grades 9 through 11. Biology is a course that takes a relevant and exploratory approach to promote the understanding of the fundamental concepts and processes of biology. Topics covered are based on six themes: the nature of science, systems and interactions, form and function, energy transfer, evolution and the diversity of life.
Honors Biology	9-11	3203	1 Cr.	A yearlong course open to grades 9 through 11. Honors Biology is a course that takes a relevant and exploratory approach to promote the understanding of the fundamental concepts and processes of biology. Topics covered are based on six themes: the nature of science, systems and interactions, form and function, energy transfer, evolution and the diversity of life. In comparison to the biology course, the curriculum is taught at an accelerated pace and in greater depth. Emphasis is on group projects, creative independent research projects, outside readings and laboratory work. Eligible for Kansas Scholar Honor Roll.
General Science Methods	10	3117	1 Cr.	This class emphasizes the methods of observing, gathering, and analyzing scientific data. This course provides hands-on activities to develop skills and vocabulary needed to be successful in a biological science course. Some forensic application is used to deliver the content. Structured hands-on activities and small group projects make this more than just another classroom experience.
Chemistry	10-12	3301	1 Cr.	Chemistry studies the fundamentals of measurement and its application to the properties of matter, chemical reactions, atomic structure, the periodic table, chemical bonding, gas laws, and acids-bases-salts. Successful completion of Algebra I with a C or better. Also see, Health Careers in Career and Technical Education. Eligible for Kansas Scholar Honor Roll.

Science				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
College Preparatory Chemistry	11-12	3303	1 Cr.	College Prep Chemistry includes the study of quantitative and qualitative analysis of chemistry. Topics include: structure of matter, stoichiometry, kinetic theory of gases, chemical equilibrium, bonding, quantum model of atoms, and thermochemistry. This course is designed for students who want to deepen their background in chemistry. Students that are interested in pursuing science degrees may take this class as a College Chemistry I, which is accepted by all Kansas Regents universities (concurrent credit). The college textbooks are provided with the fees. It can also be a very good preparatory class for college chemistry for private or out-of-state universities. This course can also be taken for Advanced Placement credit if the AP test is taken. This is a weighted course, for the Class of 2011 and after.
Physics	11-12	3302	1 Cr.	Conceptual approach to Physics develops the thoughts behind concepts such as Newtonian physics, angular motion and energy. The concepts are explored through hands-on experience and the mathematical application of principals. Laboratory experience is used extensively as well as robotic application of principles. Required for the Kansas Scholars Curriculum. Concurrent enrollment in or successful completion of Algebra II. This is a weighted course, for the Class of 2011 and after. Eligible for Kansas Scholar Honor Roll.
Health Occ.	11-12	8020	1 Cr.	See Health Careers in the Career & Technical Education section. Biology is a prerequisite.
College Preparatory Biology	10-12	3304	1 Cr.	This course presents a study of the basic concepts of living matter with emphasis on cells, tissue, and organism structure and function. An evolutionary approach with emphasis on classification, inheritance, and the ecology of plants and animals is used. This course is intended for students whose concentration is other than biology, with emphasis on knowledge of the scientific method of the chemical component of living organism and the fundamental relationship between animals and plants. Reading Placement Test Level: Reading for Academic Success.

Social Studies				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
World History I	9-12	5104	.5 Cr. Either sms	This is a chronological study of World History from the earliest civilization to present. Emphasis is placed upon western civilization and extensive coverage of European history in the twentieth century. World History I will cover the earliest recorded history to 1300. One semester of World History (either I or II) is required for graduation.
World History II	9-12	5105	.5 Cr. Either sms	See description above. World History II will cover the Renaissance and go through WWI.
World Geography	9-12	5101	.5 Cr. Either sms	This is a course designed to give the student a basic knowledge of the environment, with an emphasis on the conservation of natural resources.
Sociology	9-12	5205	.5 Cr. Either sms	Sociology is an introduction to the study of man and his human relationships. Its focus is upon the description and explanation of human society, it's structure, organization, and processes.
Psychology	11-12	5302	.5 Cr. Either sms	This is an introduction to the science of psychology. Emphasis is placed on the basic psychological principles, which lead to a greater understanding of human behavior. (Is available for concurrent credit. ACT Reading 18 or above COMPASS Reading 75 or above.) Concurrent credit and weighted scale.
College Orientation	11-12	5300	1 Cr.	This class is intended for motivated, college-bound students who are willing to put their strong work ethic to good use. The class will cover a variety of components that will be beneficial in preparing for college exploration. They will be exposed to ACT/Compass prep materials through the Virtual Prescriptive Learning Program, they will be provided with time to explore colleges and encouraged to make actual campus visits with the instructor's guidance. They will be addressing necessary financial aid parts that are required by most college and universities. All students enrolled in this class will be provided individual assistance with scholarship materials, as well as preparing the essays necessary for applications. The FAFSA will be thoroughly covered and assistance provided to parents, as needed in this matter. Critical reading and analytical writing skills will be necessary.

Social Studies				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
Economics	10	5203	.5 Cr. Either sms	Economics is the study of the workings behind the American economics system. This study will include: supply and demand, economic growth and gross domestic product, characteristics of command/traditional/market/mixed economies, prices, international trade, and government's role in the economy. The course will cover in depth the terminology used in the economic system, as well as specific functions of our macro economy. This course is a basic introduction to KEY Economic Concepts covered in all college Economics courses. REQUIRED SOPHOMORE YEAR
Constitution	10	5402	.5 Cr. Either sms	This is required for graduation. This is a study of the function and organization of the American government. It is also an analysis of federalism: executive, legislative, and judicial branches. REQUIRED SOPHOMORE YEAR
American History	11	5301	1 Cr.	American History is a survey course from the civil war to the present; it is designed to give the student a sense of the past and of the relationship between past events and the present. Included are units on the Civil War, the American West, and World Wars. REQUIRED JUNIOR YEAR
Honors U.S. History	11-12	5107	1 Cr.	This will be open to any student wishing to take concurrent credit with LCC. It is an upper level course focusing on early U.S. History in the fall semester and recent U. S. History in the spring semester. This class is to be considered an upper level course and will require a rigorous reading schedule, exercises in historiography, book reports, and research papers and projects.

Physical Education				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
Physical Education and Health (Coed)	9	5170-Male 5171-Female	1 Cr.	In physical education class, students will develop a positive image of physical fitness that will enhance the students' well being and health through lifetime activities. The student will gain the knowledge, skills, and behaviors essential to leading a productive and healthy life style. This course has a uniform and lock fee. "Healthy Living" will be taught. This is a required course for all Freshman students.
Physical Education II	10-12	5206-Male 5207-Female	1 Cr.	Physical education II is offered for those students who have a special interest in physical education and desire to continue work and study in the area. Students will develop a positive image of physical fitness that will enhance the students' well being and health through lifetime activities in a competitive class.
Physical Conditioning	10-12	5204-Male 5201-Female	1 Cr.	A physical education class focusing on weight training and a continuation of physical fitness concepts. (This class cannot be substituted for Physical Education I.)

FINE ARTS				
Art				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
Beginning Art	9-12	8110	1 Cr.	Students in Beginning Art work with the basic areas of drawing, acrylic painting, watercolor painting, design theories, calligraphy, sculpture, and an introduction to art history. FINE ARTS CREDIT
Advanced Art	10-12	8201	1 Cr.	Students in Advanced Art work in more advanced areas of drawing and exploring different techniques and media, as well as painting techniques and media, and written and oral critiques. Second semester is working in three-dimensional projects, printmaking, and traditional crafts. They also work in teams on community and school projects. Art appreciation and history continues with reports on individual artists from different periods in time. Juniors and Seniors are encouraged to compete in art shows. FINE ARTS CREDIT Successful completion of Beginning Art.
Beginning Graphic Arts	10-12	7301	1 Cr.	This course teaches the basic skills and concepts of digital photography, radio and television broadcasting, and news, sports, editorial, and feature writing. This is a one-hour course offered two separate hours.
Advanced Graphic Arts	11-12	7401	1 or 2 Cr.	This course teaches the advanced skills and concepts of digital photography, radio and television broadcasting, and news and feature writing. Students will also produce and finish various projects for the class, school, district, and community. Successful completion of Beginning Graphic Arts with a C or better is required. Students may enroll in the class for 1 or 2 hours.

Drama/Language Arts				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
Theatre I	9-12	1108	1 Cr.	Students will learn the basic elements of appreciating, interpreting, and producing the drama. Study includes acting, directing, play analysis, set design, and production of a play. Students will participate in plays and scenes in class. Students will participate in the school's productions involving some evenings and weekends. Students will have additional fees for projects/supplies in this course. FINE ARTS CREDIT
Advanced Theatre	10-12	1151	1 Cr.	This is designed to be a performance-based class. Students will build on elements learned in Drama. More emphasis will be placed on student directed scenes, motivation and characterization in acting and play production. Students will be required to participate in plays for the school and community, which will require some evenings and weekends. Students will have additional fees for projects/supplies in this course. Successful completion of Theatre I with a C or better. FINE ARTS CREDIT
Technical Theatre	9-12	1141	1 Cr.	Students will study the basic aspects of technical theatre production with emphasis on construction techniques for technical settings. The areas of costuming, make-up, lighting, publicity, and set design/construction will be studied along with various other phases of technical theatre. Students are required to pass a tools, knowledge and safety exam. Students will participate in the school's productions involving some evenings and weekends. Students will have additional fees for projects/supplies in this course. Successful completion of or concurrent enrollment in Wood Technology I is recommended. FINE ARTS CREDIT
Speech	11-12	1104	.5 Cr.	Speech focuses on the fundamentals of public speaking and communication theory. Specific topics include informative, persuasive, demonstrative, and special occasion speaking, small group communication, interpretation of literature, and media literacy. Students will have additional fees for projects/supplies in this course. Available for concurrent credit: ACT Reading 18 or above or COMPASS Reading 75 or higher. FINE ARTS CREDIT
Dramatic Literature	11-12	1105	.5 Cr either sms.	This class will bring students into a close intellectual engagement with the classical and contemporary texts of Britain, Europe, and America, while also providing opportunities for practical dramatic and theatrical experiences. If then, your theatre and drama experiences have been few, this will be your chance to fill a gap. If, however you are an old hand at playreading and playgoing, you will be expected to build further upon what knowledge you have already required. Prerequisite: Junior or senior or concurrent enrollment in advanced theatre.

Music				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
Bel Canto	9-12	2125	1 Cr.	A performing chorus open to women with or without previous experience. It will function as a choir, but emphasis will be given to developing good vocal technique. Participation in performances and rehearsals outside the school day is a requirement of the class. Students are selected through auditions. Students who want to perform at KSHSAA Regional and/or state competitions must have been enrolled in and passed 5 new classes the previous semester to be eligible. FINE ARTS CREDIT
Choraleers	9-12	2101	1 Cr.	A mixed choir consisting mainly of experienced singers, or those demonstrating above average technique. Participation in performances and rehearsals outside the school day is a requirement of the class. Students who want to perform at KSHSAA Regional and/or state competitions must have been enrolled in and passed 5 new classes the previous semester to be eligible. FINE ARTS CREDIT
Band	9-12	2104	1 Cr.	Band is a two-semester course that meets one hour a day. Band members participate in two main ensembles, concert band and marching band. Most performances occur outside of school hours--this includes approximately five home football games, three concerts, state large group contest, and band tour day. Basketball Pep Band and Jazz Band are available options if students choose to commit to participating. Participation in performances and rehearsals outside the school day is a requirement of the class. Students who want to perform at KSHSAA Regional and/or state competitions must have been enrolled in and passed 5 new classes the previous semester to be eligible. FINE ARTS CREDIT
Flag Corp	9-12	2108	.5 Cr. 1 st sms	An auxiliary group that performs with the Marching Band at home games, parades, and university band days. Auditions are held in the spring. Students are selected through auditions. Students who want to perform at KSHSAA Regional and/or state competitions must have been enrolled in and passed 5 new classes the previous semester to be eligible. FINE ARTS CREDIT

CAREER & TECHNICAL EDUCATION				
Agriculture				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
Ag Science	9-12	7162	1 Cr.	Agricultural Science is a foundational course offered at the ninth grade level. 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. Leadership and personal development are taught through the integration of Future Farmers of America (FFA) Career Development Events and SAE/OJT activities.
Ag Welding	10	7362	1 Cr.	This course provides students with skills in the areas of the shielded arc welding, oxy-fuel cutting, welding safety, blueprint reading, welding terminology, and agricultural manufacturing. The emphasis for this course will be developing the student's skills and understanding of the welding field. Topics of study include welding safety, tool identification and care, oxy-fuel cutting, shielded arc welding, welding joints, welding positions, and special applications of welding. Prerequisite: Ag Science
Plant & Soil Science	10	7264	1 Cr.	Students will be exposed to a wide range of scientific principles, such as genetics, disease, pests, and management practices. The scientific processes of observation, measurement, hypothesizing, data gathering, interpretation, analysis, and application are stressed. Career opportunities and educational preparation are examined. Learning activities are varied, with classroom, laboratory, and field experiences emphasized. The FFA, leadership, SAE's and Career Development Events will be emphasized. Prerequisite: Ag Science
Agribusiness	11	7369	1 Cr.	Students will learn skills needed to manage an agricultural business. Instruction includes economic business principles and structures, business enterprise analysis, accounting, taxes, insurance, productivity, financing, capital resources, purchasing, government programs, commodity groups, contracts, estate planning, marketing, salesmanship, and the application of computer hardware and software in agriculture. The FFA, leadership, SAE's and Career Development Events will be emphasized. Prerequisite: Ag Science

Agriculture				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
Ag Power	11	7262	1 Cr.	This course is designed to develop knowledge and skill in the fundamentals of agricultural mechanics and power equipment. Physical science and mathematic principles will be integrated throughout the course. Major areas of content include the meaning and importance of agricultural mechanics and power; personal and employability safety; identifying, using, and maintaining common hand and power tools; planning and organizing facilities and shops; using measuring devices; selecting and using wood and metal materials; using fasteners and hardware; preparing and using simple project plans; metal fabrication; and machinery and engines. FFA and supervised experience will also be included as appropriate. Prerequisite: Ag Science
Ag Communications	12	7367	1 Cr.	This course prepares students for careers in agricultural communications and related fields. This curriculum provides an opportunity for students to combine technical agriculture with agricultural education, journalism, professional communications, and business communications. Possible career areas include agricultural information agencies; newspaper writing and editing; magazine feature writing and editing; agricultural related publications; public relations; advertising and sales; environmental reporting; and agricultural extension. The FFA, leadership, SAE's and Career Development Events will be emphasized. Prerequisite: Ag Science
Environmental Resources and Wildlife	12	7368	1 Cr.	Students will participate in activities that stress the biological, environmental, and economic importance of our renewable natural resources. Tillable land and range products and their benefits are discussed. Field and laboratory experiences will be emphasized. The FFA, leadership, SAE's and Career Development Events will be emphasized. Prerequisite: Ag Science
Ag Advanced Mechanics	12	7363	1 Cr.	This course builds on the Agricultural Power and Mechanics class. It is for students who wish to develop knowledge and skill in tractors, implements, engines and related technologies. Major content includes meaning and use of agricultural power; personal and occupational safety; kinds, uses, and maintenance of agricultural tractors; kinds and uses of crop production equipment (including tillage, planting, application, and harvesting equipment;) internal combustion engine principles and maintenance, including those using gasoline, diesel, and alternative fuels; tractor power trains; electronics, including sensors, controllers, and onboard computers; and electric motors. FFA and supervised experience will also be included as appropriate. Prerequisite: Ag Science

Agriculture				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
Animal Science	10	7364	1 Cr.	In this course we will study animal science past history, future technology and current career opportunities. We will cover large and small animals, companion animals and production livestock. The FFA, leadership, SAE and Career Development Events will be introduced. Prerequisite: Ag Science
Animal Health	11	7462	1 Cr.	Students will be exposed to a wide range of scientific principles, such as genetics, anatomy, physiology/nutrition, disease, pests, and management practices. The scientific processes of observation, measurement, hypothesizing, data gathering, interpretation, analysis, and application are stressed. Career opportunities and educational preparation are examined. Learning activities are varied, with classroom, laboratory, and field experiences emphasized. The FFA, leadership, SAE's and Career Development Events will be emphasized. Prerequisite: Ag Science
Ag OJT	12		Up to 3 Cr.	On-the-job training program in Agriculture. Students must receive approval and course number from an Ag instructor. Prerequisite: Ag Science

Automotive Service Technology				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
Intro to Industrial Technology	9-12	7106	.5 Cr.	An introductory level course designed to instruct students in the basic skills necessary to all occupations in the Construction, Manufacturing & Transportation areas.
Auto Service Technology I	10-12	7334	2 Cr.	This class meets two periods each day. Instruction will consist of classroom lecture, presentations, and hands-on activities in an auto shop environment using live vehicles and instructional trainers. All students will be required to diagnose, inspect, and repair automotive systems, per manufactures and service industry standards as assigned by the instructor. All hands-on activities/projects will be screened by the instructor and assigned to the students as it best fits into the area of instruction and student needs. The student will have research projects that will require them to work outside the classroom. This course is developed using the NATEF Task List for the subject matter presented. Successful completion of Intro to Auto Service.
Auto Service Technology II	11-12	7402	2 Cr.	This class meets two periods each school day. The course is designed using NATEF Task List for the subjects: steering & suspensions system, engine performance/drive-ability, engine repair. Instruction will consist of classroom lecture, presentations, and hands-on activities in an auto shop environment using live vehicles and instructional trainers. All students will be required to diagnose, inspect, and repair automotive systems, per manufactures and service industry standards as assigned by the instructor. All hands-on activities/projects will be screened by the instructor and assigned to the students as it best fits into the area of instruction and student needs. The student will have research projects that will require them to work outside the classroom. Students will be exposed to SKILLS/USA-VICA in both the classroom and in contest. Successful completion of Auto Service Technology I.
Auto Service Technology OJT	12		Up to 3 Cr.	On-the-job training program in Automotive Service. Students must receive approval and course number from the mechanics instructor.

Business Technology				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
Introduction to Business	9-12	4103	.5 Cr. Either sms	Introduces the student to the world of business and helps prepare the student for the economic roles of consumer, worker and citizen. This course will also serve as a background for other business courses the student may take in high school and in college, assist the student with consumer decision making, prepare the student for future employment, and help the student effectively perform his or her responsibilities as a citizen.
Entrepreneurship	10-12	4303	1 Cr.	Entrepreneurship gives students experience of becoming an entrepreneur, selecting a type of ownership, developing a business plan, marketing your business, hiring and managing a staff, and financing, protecting, and insuring your business. Successful completion of Digital Literacy, Computer App. I, & Computer App. II, with a C or better.
Business Law	9-12	4209	.5 Cr. Either sms	Designed to familiarize the students with the basic principles of law significant in business and in everyday life situations. Emphasis is placed on the American legal system and the student's responsibility as a citizen. Strong emphasis is given to ordinary contract law and sales contract law.
Personal Finance	11-12	4313	.5 Cr. Either sms	Students will discover new ways to maximize their earning potential, develop strategies for managing their resources, explore skills for the wise use of credit, and gain insight into the different ways of investing money. Successful completion of Intro. To Business with a C or better.
Accounting I	10-12	4304	1 Cr.	Students are introduced to accounting which they will be expected to understand and use as adult consumers and employees. Financial transactions are analyzed and recorded, and financial statements are produced. Students are expected to learn the principles and procedures needed to begin entry-level accounting careers, to further their study of accounting, and to handle personal business applications.
Computerized Accounting	11-12	4404	1 Cr.	Designed for students who have a definite interest in pursuing the study of accounting in the following areas: accrued items, depreciation, departmental accounting, partnership accounting, control accounting, corporation accounting, automation, cost accounting, and special sales. This class is taught in an independent environment which will allow students to incorporate basic concepts into real world applications. Successful completion of Accounting I with a C or better

Business Technology				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
Desktop Pub. Yearbook	10-12	4407	1 Cr.	This course produces "The Grizzly" school yearbook. Students will learn advanced levels of layout design, copy writing, photographic composition, and basic business skills. The yearbook staff strives to be self-supporting through advertising. There is an exception that students will attend, photograph, work and/or cover after-school events/activities. Students are selected in an application process. Students may enroll in this class for 1 or 2 hours.
Personalized Keyboarding	9-12	4215	.5 Cr. Either sms	Designed for students who are interested in learning the keyboard for their own personal use. Proper techniques, accuracy skills, and a wide variety of documents are presented. NOTE: This is a course for students who have little or no keyboarding skills.
Computer Applications I	9-12	4203	.5 Cr. Either sms	Designed to review touch control of the keyboard using proper techniques to build basic speed and accuracy skills, and to provide practice of these skills. Emphasis is placed on producing mailable documents at a reasonable speed. NOTE: Students enrolling in Computerized Applications should already have some typing skills as this course helps build skills, speed, and accuracy as well as develop office documents.
Digital Literacy	9-12	4307	.5 Cr. Either sms	Provides training in desktop publishing skills integrating various digital media sources. Simple business publications will be prepared using the digital camera, digital video camera and scanner.
Computer Applications II	9-12	4450	.5 Cr. Either sms	Provides hands-on experience in word processing, database, spreadsheet, presentation and communication utilizing an integrated software program. Personal, business, and mathematical applications are stressed. This course can be taken for dual credit in grades 11-12. Successful completion of Computer Applications I with a C or better. Dual Credit: ACT Reading 18 or above COMPASS 75 or above
Multimedia	10-12	4210	1 Cr.	Provides opportunities for students to learn advanced skills in multimedia presentations using a variety of presentation software. This advanced class is taught in a self-paced atmosphere so that students may investigate as deeply into the subject as he/she wishes. Successful completion of Computer Applications I, and Digital Literacy with a C or better. Students may enroll in this class for 1 or 2 hours.
Web Design & Development	11-12	4457	1 Cr.	Provides opportunities for students to learn advanced skills for browsing the World Wide Web, and designing web sites using an editor or with HTML. This advanced class is taught in a self-paced atmosphere so that students may investigate as deeply into the subjects as he/she wants. Successful completion of Computer Applications I, II and Digital Literacy with a C or better. Students may enroll in this class for 1 or 2 hours.

Business Technology				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
Desktop Pub. Newspaper	10-12	4305	1 Cr.	This course produces "The Labetta" school newspaper. Students will learn advanced levels of layout design, feature, sports, editorial, and news writing, and photojournalism. In addition, each student is given a leadership role as a member of a newspaper staff. Students are selected in an application process.
Desktop Publishing Business	10-12		1 Cr	This course allows the student to work independently to increase their knowledge and skills in desktop publishing applications such as Photoshop, InDesign, and Illustrator, as well as advanced Microsoft Office application skills. Students will create large projects that are realistic in business-related careers, particularly marketing or finance. The skills needed to complete these projects are an integration of technical and language skills. Successful completion of Computer Applications I, II and Digital Literacy with a C or better.
In House Training	12	4405	1 Cr.	Develops employable skills by providing experience and information about current technology and procedures. This course combines information from other courses to provide an integrated view of the office. Several document projects from the area community businesses, churches, and civic organizations are completed. These projects require the student to make realistic work related decisions. The skills needed to complete these projects are an integration of technical and language skills. Successful completion of Computer Applications I, II and Digital Literacy with a C or better. Instructor approval required. Students may enroll in this class for 1 or 2 hours.

Building Trades				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
Intro to Industrial Technology	9-12	7106	.5 Cr.	Intro to Industrial Technology is a broad based career explorations class that utilizes self-directed modules. The modules are computer driven to develop computer technology skills, apply academic content, and introduce students to vocational programs. Possible modules include: Orientation & Safety; Precision Measurement; Small Gas Engines; Lathe Operations; CNC-CAD/CAM; Computer Aided Drafting; Plastics; Criminology; Mig Welding; Web Design; Fiber Optic communication; Electronics; Biotechnology; Graphic Communication; Energy, Power & Mechanics; Construction Technology; Research & Design; Architectural Drawing; Drafting Fundamentals; Digital Presentation; and Alternative Energy.
Residential Carpentry I	10-12	7602	2 Cr.	A two or three hour block class where students learn carpentry skills and construct a house or a building from the framing work to the finish work. Students develop an understanding of career options available within the construction industry. Options include carpentry, roofing, drywall, painting, and general contracting. Students learn to work with building plans, building permits, insurance coverage, and building codes. Students also work with building materials and equipment. Successful completion of or concurrent enrollment of Manufacturing Processes or Intro to Industrial Technology.
Residential Carpentry I	10-12	7610	3 Cr.	See description above. This is the 3-hour block class.
Residential Carpentry II	11-12	7604	2 Cr.	A two or three hour block class where students learn advanced carpentry skills and construct a house or a building from the framing work to the finish work. Students develop an understanding of career options available within the construction industry. Options include carpentry, roofing, drywall, painting, and general contracting. Students learn to work with building plans, building permits, insurance coverage, and building codes. Students also work with building materials and equipment. Successful completion of Residential Carpentry I.
Residential Carpentry II	11-12	7607	3 Cr.	See description above. This is the 3-hour block class.

Drafting				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
Intro to Industrial Technology	9-12	7106	.5 Cr.	Intro to Industrial Technology is a broad based career explorations class that utilizes self-directed modules. The modules are computer driven to develop computer technology skills, apply academic content, and introduce students to vocational programs. Possible modules include: Orientation & Safety; Precision Measurement; Small Gas Engines; Lathe Operations; CNC-CAD/CAM; Computer Aided Drafting; Plastics; Criminology; Mig Welding; Web Design; Fiber Optic communication; Electronics; Biotechnology; Graphic Communication; Energy, Power & Mechanics; Construction Technology; Research & Design; Architectural Drawing; Drafting Fundamentals; Digital Presentation; and Alternative Energy.
Drafting (Architectural & Mechanical)	9-12	7305	.5 Cr.	An introductory course designed to expose students to both architectural and mechanical (technical) drafting skills.
Drafting /CAD	10-12	7307	1 Cr.	Drafting/CAD is considered the first course in the drafting program. The course is designed to emphasize the computer as a drafting tool as well as teach students about hand drafting equipment, and the students will learn to be productive using a CAD system as well as hand drawing techniques to produce several types of drawings. Students will progress through several topics including areas such as 2D drawing, 3D drawing, illustration drawings, drawing for computer numerical control, and computer aided manufacturing. This course can be taken only once. Successful completion of Intro to Industrial Technology or Manufacturing Processes.
Advanced Drafting/CAD	11-12	7308	1 Cr.	Advanced drafting is designed for the student wishing to complete the drafting program to become a designer, detailer, or engineer. Students entering the course should have a solid foundation of drafting and design concepts as well as a solid knowledge of CAD. This course is designed to be taken more than once to allow students to gain as much knowledge as possible in architectural/mechanical design/drafting. Students will progress through several topics including mechanical/machine design, CAD/CAM, mold design, structural steel drawing and design. Successful completion of Draftin/CAD.

Drafting				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
Senior Project	12	7322	1 Cr.	Senior Project in Drafting is a course in which students will apply knowledge from CAD, Mechanical and Architectural Drafting to a series of projects and problem solving activities. Problems and projects will be both individual and team based, and will require students to work with several instructors in the Trade and Industrial Department to complete course work. Students will be required to take safety instruction and tests in various areas to complete projects. Students will choose what area of drafting they would like to pursue while completing the course objectives and projects. Instructor approval required.
Drafting OJT	12		Up to 3 Cr.	Drafting students work in an associated field/business/industry. Instructor approval required.

Electronics				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
Electronics I	9-12	7105	1 Cr.	Introductory program to acquaint students with the field of electronics. The program includes fundamental and practical electricity including power, watts, safety, and appliances applicable to every day use regardless of occupation. Parts identification training may additionally qualify students for jobs as wholesale and retail electronics parts or appliance salesmen, counter clerk or shipping clerk, and similar jobs. In addition to knowledge acquired and tool handling ability learned, the student is able to do simple electronic repair jobs. Must be enrolled in Algebra 1 or have successfully passed Algebra I.
Electronics II	10-12	7205	2 Cr.	Electronics II continues the study of electronics. The program continues with transistors, receivers, transmitters, oscillators, amplifiers, and advanced power circuits. Upon completion the student should be qualified to repair, align, and trouble shoot problems in radio transistor circuits and amplifiers. This is a two-hour program with one hour devoted to instruction and the second hour a lab. Successful completion of Electronics I
Electronics II	10-12	7206	1 Cr.	See description of Electronics II. This is the one-hour course. Successful completion of Electronics I and instructor permission.
Electronics III	11-12	7306	2 Cr.	The advanced courses are half theory and half laboratory work over consumer products including television, DVD players, stereos, amplifiers, and camcorders. Advanced courses also include computer principles to train a student to understand, trouble shoot, and repair computer circuits. Microwave and radar principles are studied in this advanced class. Digital Electronics is a major emphasis in Electronics III. Successful completion of Electronics II
Electronics III	11-12	7310	1 Cr.	See description of Electronics III. This is the one hour course. Successful completion of Electronics II and instructor permission.
Electronics IV	12	7458	2 Cr.	Emphasis is placed on micro controllers and microprocessors which branches to computer repair, Robotics, Programmable Logic Controllers, Sensors, Pneumatics, Troubleshooting consumer products, and Digital Electronics. Class is in a laboratory environment, working with actual equipment for the development of skilled technicians. Successful completion of Electronics III
Electronics IV	12	7406	1 Cr.	See description of Electronics IV. This is the one hour course. Successful completion of Electronics II and instructor permission.

Family and Consumer Science				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
Intro to Fashion & Interior Design	9-12	7149	1 Cr.	This course is an introduction in the field of fashion, textiles, and interior design. Projects are integrated throughout the course to provide applications in design elements and principles. Career paths and career options in the industries will be examined. It is the financial responsibility of the student to purchase materials for design projects.
Designs for Home & Business	10-12	7158	1 Cr.	This course will prepare students for careers or post secondary programs related to housing and interiors in business and industry. Projects are integrated throughout the course to provide authentic applications in design basics, color, lighting, furniture styles and design. Students will have the opportunity to explore and experience career options in the Interior Design and Furnishings Industry. Students must successfully complete Intro to Fashion & Interior Design. It is the financial responsibility of the student to purchase materials for design projects.
Fashion Design & Merchandising II	10-12	7150	1 Cr.	This course will prepare students for careers or post secondary programs related to the fashion-textile business and industry. Students learn the principles of design, merchandising methods, product development, product promotion, sketching and garment construction techniques for the fashion design and production industry. Career opportunities are investigated and skills provided that lead to successful employment in the areas of fashion and textiles. Students must successfully complete Intro to Fashion & Interior Design. It is the financial responsibility of the student to purchase materials for design projects.
Professional Designer Level III	11-12	7173	1 Cr.	This course will prepare students for careers or post secondary programs related to the fashion-textile business and industry. Students will continue to practice the principles of design, merchandising methods, product development, product promotion, sketching and garment construction techniques for the fashion design and production industry. Career opportunities are investigated and skills provided that lead to successful employment in the areas of fashion and textiles. Students will participate in entrepreneurship projects like In House Training. We will work with the Building Trades program and will be involved in the Interior Design of their project house. Students must successfully complete Intro to Fashion & Interior Design and Designs for Home & Business or Fashion Design & Merchandising II. (Level II courses.) It is the financial responsibility of the student to purchase materials for design projects.

Family and Consumer Science				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
Introduction to Early Childhood Education	9-12	7174	1 Cr.	This course is designed to introduce the learner to the career of childcare. The course starts with an overview of the physical, intellectual, social and emotional characteristics of young children. The class teaches students practical techniques for guiding children. The course prepares students for other important aspects of childcare that include providing a safe and healthy learning environment and provide learning experiences for children. A current negative TB Test must be on file with the instructor.
Early Childhood Development	10-12	7175	1 Cr.	Early Childhood Education and Human Services is a sequential program that addresses more complex issues of child development and early childhood education with emphasis on guiding physical, social, emotional, intellectual, moral and cultural development throughout childhood, including school-age children. Successful completion of Intro to Early Childhood Education. A current negative TB Test must be on file with the instructor.
Early Childhood Professional	11-12	7176	1 Cr.	Early Childhood Professional is a continuation of this program. This is an application class where students will be working with preschools and daycare facilities in order to practice and apply technical skills. Successful completion of Intro to Early Childhood Education and EC Development. A current negative TB Test must be on file with the instructor.
Intro to Culinary Arts	9-12	7177	1 Cr.	This course is the first of a series that will prepare students for careers or post secondary programs related to the Culinary Arts/Baking and Pastry business and industry. Students will develop skills I safety and sanitation, and basic techniques required in food preparation.
Baking & Pastries Essentials	10-12	7179	.5 Cr.	This course will prepare students for careers or post secondary programs related to the Culinary Arts/Baking and Pastry business and industry. Students will develop skills in safety and sanitation, and basic techniques required in food preparation. Successful completion of Intro to Culinary Arts.
Culinary Arts & Hosp. Management	10-12	7180	1 Cr.	This structured Culinary Arts & Hospitality Management program develops high-level skills and competence demanded in the food service industry. This is a sequential program that prepares students for occupations and higher education programs of study related to culinary arts and hospitality industry. Successful completion of Intro to Culinary Arts.

Family and Consumer Science				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
Professional Chef	11-12	7178	1 Cr.	This course continues the sequential development of Culinary Arts & Hospitality Management. This is an application level course where students will set up a bistro and catering business similar to In House Training. Application can also be done as an On-the-Job program if Level 2 is completed with an 82% or above grade. Successful completion of CA & Baking Fundamentals and Culinary Cuisine. A \$12.00 rental fee is required for a chef jacket and headgear. Students have the option to purchase this apparel (at cost) for \$25.00.
Culinary Arts OJT	12		Up to 3 Cr.	On the job training in specific program occupation/concentrations. Students must receive approval and course number from the FACS instructor.
Early Childhood OJT	12		Up to 3 Cr.	(same as above)
Fashion & Interior Design OJT	12		Up to 3 Cr.	(same as above)

Graphics Arts				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
Intro to Industrial Technology	9-12	7106	.5 Cr.	Intro to Industrial Technology is a broad based career explorations class that utilizes self-directed modules. The modules are computer driven to develop computer technology skills, apply academic content, and introduce students to vocational programs. Possible modules include: Orientation & Safety; Precision Measurement; Small Gas Engines; Lathe Operations; CNC-CAD/CAM; Computer Aided Drafting; Plastics; Criminology; Mig Welding; Web Design; Fiber Optic communication; Electronics; Biotechnology; Graphic Communication; Energy, Power & Mechanics; Construction Technology; Research & Design; Architectural Drawing; Drafting Fundamentals; Digital Presentation; and Alternative Energy.
Beginning Graphic Arts	10-12	7301	1 Cr.	This course teaches the basic skills and concepts of digital photography, radio and television broadcasting, and news, sports, editorial, and feature writing. This is a one-hour course offered two separate hours.
Advanced Graphic Arts	11-12	7401	1 or 2 Cr.	This course teaches the advanced skills and concepts of digital photography, radio and television broadcasting, and news and feature writing. Students will also produce and finish various projects for the class, school, district, and community. Successful completion of Beginning Graphic Arts with a C or better is required. Students may enroll in the class for 1 or 2 hours.

Health Careers				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
Health Occ. Anatomy & Physiology	10-12	8020	1 Cr.	This class is designed for the college bound student who is considering a career in a professional medical field. The course offers an in-depth study of higher vertebrate anatomy using human models and diagrams. Insight into the functions of human systems is gained through laboratory study of living tissues, dissection, and physiology instrumentation. Areas of emphasis include careers that relate to the body systems and diseases and disorders. NOTE: HO Anatomy & Physiology is designed for students who are considering future enrollment in the Health Careers program. Successful completion of Biology with a grade of C or better, or approval of the science department.
Health Careers I	11-12	8000	1 Cr.	Health Careers I is the course for students interested in the health care field. The class is designed to provide beginning students interested in health occupations with career exploration opportunities. <i>Health Career Exploration:</i> Instructional content will focus on healthcare communications, leadership and teamwork, and reinforce, expand and enhance biology content specific to human structure and function. Instruction will incorporate project- and problem-based healthcare practices and procedures to demonstrate the criticality of these knowledge and skills. This course will build an understanding of the academic, communication, and technical skills in all aspects of the industry. Students will learn how healthcare workers fit within the overall health care environment and will identify how key systems affect quality of care and other services they perform. Instructional content will focus on healthcare safety, health maintenance practices and environmental safety processes and procedures, ethical and legal responsibilities. Successful completion of Biology. Students must either have taken or be concurrently enrolled in HO Human Anatomy and Physiology.

Health Careers				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
Health Careers II	12	8100	1 Cr.	Health Careers II is the course designed for students who want to continue their emphasis in the variety of health care fields. <i>Employment in Health Occupations:</i> Instructional content will focus on healthcare information technology applications, employability and career development, and technical skill preparation. These knowledge and skills will provide guidance for career selection and application for both entry-level employment and post-secondary preparation. Instruction will incorporate project- and problem-based healthcare practices and procedures to demonstrate the criticality of these knowledge and skills. Instruction will use interest inventories and observations/shadowing to introduce students to careers from all clusters in healthcare. Students will develop basic technical skills required for all health career specialties including understanding occupational safety techniques and obtaining their CPR and FirstAid certifications. Instruction will also reinforce, expand and enhance biology content specific to diseases and disorders. Successful completion of Health Careers I. Must be taken concurrently with Health Careers III.
Health Careers III	12	8103	1 Cr.	Work Experience: Work experience courses provide students with work experience opportunities in each of the five career pathways. Work experience is developed to provide a rotational clinical/shadowing experience for students at a variety of settings. (i.e., dentist office (Therapeutic), occupational therapy (Diagnostic), social worker (Health Informatice), interpreter (Support Services), pharmacy (Biotechnology)). Goals are typically set cooperatively by the student, teacher and employer. The work experience may be paid or unpaid. Must be taken concurrently with Health Careers II.
Health Careers OJT	12		Up to 3 Cr.	An on-the-job training program available for students who have completed the Health Careers I and are concurrently enrolled in Health Careers II in addition to having a Certified Nurses Aide license and current employment in a health care field. Students must receive approval and course numbers from instructor.

Machine Tool Technology				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
Intro to Industrial Technology	9-12	7106	.5 Cr.	Intro to Industrial Technology is a broad based career explorations class that utilizes self-directed modules. The modules are computer driven to develop computer technology skills, apply academic content, and introduce students to vocational programs. Possible modules include: Orientation & Safety; Precision Measurement; Small Gas Engines; Lathe Operations; CNC-CAD/CAM; Computer Aided Drafting; Plastics; Criminology; Mig Welding; Web Design; Fiber Optic communication; Electronics; Biotechnology; Graphic Communication; Energy, Power & Mechanics; Construction Technology; Research & Design; Architectural Drawing; Drafting Fundamentals; Digital Presentation; and Alternative Energy.
Machine Tool Technology I	10-12	7335	1 Cr.	Technology I is a beginning course for Machine Tool Technology, Mechanical Drafting, and Welding. Students in Technology I will spend 9 weeks in each area and pick an area of interest the last 9 weeks. Topics covered will be safety, machine tool processes focusing mainly on lathe work. Welding processes, mechanical drawing techniques, and blue print symbols including reading Geometric Tolerances.
Machine Tool Technology II	11-12	7403	3 Cr.	This is an advanced precision machine tool technology course. Students will receive one hour of lecture instruction and two hours of hands-on training. The equipment that students will use compares with that in industry: engine lathes, shapers, plane horizontal milling machines, vertical milling machines, tool grinder, surface grinders, bench grinders, drill grinders, turret lathes, drill presses, radial drills, vertical band saws, horizontal band cut-off-saws, CNC Computerized Milling Machines, and a wide variety of hand and precision instruments. Successful completion of Technology I.
Machine Tool Technology II	11-12	7493	2 Cr.	see description above. This is the 2-hour block class.

Welding Technology				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
Intro to Industrial Technology	9-12	7106	.5 Cr.	Intro to Industrial Technology is a broad based career explorations class that utilizes self-directed modules. The modules are computer driven to develop computer technology skills, apply academic content, and introduce students to vocational programs. Possible modules include: Orientation & Safety; Precision Measurement; Small Gas Engines; Lathe Operations; CNC-CAD/CAM; Computer Aided Drafting; Plastics; Criminology; Mig Welding; Web Design; Fiber Optic communication; Electronics; Biotechnology; Graphic Communication; Energy, Power & Mechanics; Construction Technology; Research & Design; Architectural Drawing; Drafting Fundamentals; Digital Presentation; and Alternative Energy.
Production Welding Processes I	9-12	7339	1 Cr.	Production Welding Processes I is a beginning course for Welding Technology. Students will spend 9 weeks in each area and pick an area of interest the last 9 weeks. Topics covered will be safety, welding processes, mechanical drawing techniques, and blue print symbols including reading Geometric Tolerances. The LCHS welding shop is a modern facility with individual welding booths for arc and gas welding. Current equipment includes modern wire fed machines, automatic traveling cutting torches, new AC-DC welders, portable units and proper exhaust systems.
Production Welding Processes II	11-12	7494	2 Cr.	This is an advanced welding course. Students will cover blueprint reading, cutting processes, oxyacetylene welding, arc welding, mig welding, and tig welding in all positions on exercises and projects. The class consists of one hour of lecture instruction and two hours of on-hands work in a welding shop. The LCHS welding shop is a modern facility with individual welding booths for arc and gas welding. Current equipment includes modern wire fed machines, automatic traveling cutting torches, new AC-DC welders, portable units and proper exhaust systems. Computers in the classroom, a computerized cutting machine, and plasma arc cutting are examples of the high tech equipment available to students that are also used in industry. Successful completion of Production Welding Processes I
Production Welding Processes II	11-12	7405	3 Cr.	see description above. This is the 3-hour block class.
Technology OJT	12		Up to 3 Cr.	Technology students work in an associated field/business/. Instructor approval required.

Wood Technology				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
Intro to Industrial Technology	9-12	7106	.5 Cr.	Intro to Industrial Technology is a broad based career explorations class that utilizes self-directed modules. The modules are computer driven to develop computer technology skills, apply academic content, and introduce students to vocational programs. Possible modules include: Orientation & Safety; Precision Measurement; Small Gas Engines; Lathe Operations; CNC-CAD/CAM; Computer Aided Drafting; Plastics; Criminology; Mig Welding; Web Design; Fiber Optic communication; Electronics; Biotechnology; Graphic Communication; Energy, Power & Mechanics; Construction Technology; Research & Design; Architectural Drawing; Drafting Fundamentals; Digital Presentation; and Alternative Energy.
Manufacturing Processes	9-12	7220	1 Cr.	Manufacturing Processes is a broad-based exploratory technology education program. This class provides an opportunity for the student to review and experience some work in a variety of vocational areas. A class mass-production unit will simulate the procedure used in industry to manufacture a product. Other areas of study include wood, metals, plastic, drafting, and CNC.
Cabinetmaking and Furniture Design I	10-12	7226	1 Cr.	Students in this class will study various aspects of the woodworking industry including cabinet making, furniture construction and design. This class provides the opportunity to work with state-of-the-art machinery in the construction of the student's own piece of furniture. Some of the construction techniques presented include solid wood raised panels, steam bending, laying plastic laminate and CNC (Computer Numerical Control). Course can be taken three times. Successful completion of Manufacturing Processes.
Cabinetmaking and Furniture Design II	11-12	7227	1 Cr.	see description above.
Mass Production	12	7228	1 Cr.	see description above.

ELECTIVES				
Foreign Language				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
Spanish I	10-11	1111	1 Cr.	Spanish I students will acquire, through a variety of techniques (with emphasis on listening and understanding), an extensive vocabulary, and will use that knowledge to form basic sentences and to perform basic conversations. The students will be able to answer simple questions with correct formation of sentences, and will use the material to communicate with some degree of proficiency. Correct spelling and sentence formation are an integral part of the students' learning writing. Class participation in story telling and learning of vocabulary, reading, writing, and listening will be used to enforce communication. Grammar will be emphasized and culture will be explored by the students. Successful completion of English I with a B or better.
Spanish II	11-12	1211	1 Cr.	Spanish II students review the vocabulary and structure from Spanish I, and continue developing their vocabulary, along with the study of the more difficult aspects of the language, emphasizing correct sentence formation, spelling, reading, writing, and grammar such as parts of speech and verb conjugation in several different tenses. Cultural patterns are examined through simple literature such as short stories and simple novels. Successful completion of Spanish I with a C or better.
Spanish III	12	1311	1 Cr.	Spanish III students are expected to understand and communicate fairly fluently in the oral language, which is reinforced through learning of more vocabulary, conversations, story telling, and student generated stories being told with class participation. An extensive and more detailed practice of vocabulary, and grammatically correct oral and written language are also studied through reading, writing, and story telling as the emphasis. Cultural emphasis remains an important part of the class. Successful completion of Spanish II with a C or better and permission of counselor and instructor.

Foreign Language				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
German I	10-11	1117	1 Cr.	<p>German I students will acquire, through a variety of techniques (with emphasis on listening and understanding), an extensive vocabulary, and will use that knowledge to form basic sentences and to perform basic conversations. The students will be able to answer simple questions with correct formation of sentences, and will use the material to communicate with some degree of proficiency. Correct spelling and sentence formation are an integral part of the students' writing skills. Class participation in story telling and learning of vocabulary, reading, writing, and listening will be used to enforce communication. Grammar will be emphasized and culture will be explored by the students.</p> <p>Prerequisite: Successful completion of English with a B or better.</p>
German II	11-12	1212	1 Cr.	<p>German II students review the vocabulary and structure from German I, and continue developing their vocabulary, along with the study of the more difficult aspects of the language, emphasizing correct sentence formation, spelling, reading, writing, and grammar such as parts of speech and verb conjugation in several different tenses. Cultural patterns are examined through simple literature such as short stories and simple novels. Prerequisite: Successful completion of German I with a C or better.</p>
German III	12	1312	1 Cr.	<p>German III students are expected to understand and communicate fairly fluently in the oral language, which is reinforced through learning of more vocabulary, conversations, story telling, and student generated stories being told with class participation. An extensive and more detailed practice of vocabulary, and grammatically correct oral and written language are also studied through reading, writing, and story telling as the emphasis. Cultural emphasis remains an important part of the class. Prerequisite: Successful completion of German II with a C or better and permission of counselor and instructor.</p>

Assistants				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
Office Assistant				<p>Office Assistant</p> <ul style="list-style-type: none"> -No more than one assistant per hour -Students will have assigned tasks that may include: copying, filing, answering the telephone, delivering materials, and other activities as needed. -Students may not have access to Power School, Power Grade or other confidential student information. -Students will receive an S (satisfactory) or U (unsatisfactory) grade -Students must fill out an application and have Mr. Cartwright or Mrs. Henry's permission before being approved to be an assistant.
Teacher Assistant	12		.5 either sms S/U Cr.	<p>Teacher Assistant</p> <ul style="list-style-type: none"> -No more than one assistant per hour (excluding tutors) -Students must have assigned tasks that may include: copying, filing, typing, answering the telephone, and other activities as needed. Students may not have access to Power School, Power Grade or other confidential student information. Students should be in the classroom and attendance will be taken. -Students will receive an S (satisfactory) or U (unsatisfactory) grade -Students must fill out an application and have teacher permission before being approved to be an assistant. Final approval will be determined by the principal.

Consortium Courses				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
<p><i>Student Requirements:</i></p> <ol style="list-style-type: none"> 1. <i>Student must have a GPA of 2.5 or better</i> 2. <i>Student must have 95% attendance in the previous semester</i> 3. <i>Student can only be an assistant one hour per semester unless an additional hour is used for tutoring (either at LCHS or at a grade school)</i> 				
Special Services, Special Education & Credit Completion	9-12			All students requiring special course considerations (special services, special education and credit completion) must see the teachers working in those areas for a list of courses and course numbers. The teachers involved in these courses are: Mrs. Ruttgen, Mrs. Omarkhail, Mr. Hollandsworth, Ms. Wilson, and Mrs. Smith.
Dual Credit	12		5 Cr. Either sms	A variety of dual credit courses are available for seniors who meet the guidelines for dual credit. Seniors must be a student in good standing and have an ACT score or COMPASS score high enough to meet the course requirements. Many of the courses in this catalog have the scores listed to meet dual credit requirements. An application must be filled out that is available in the Guidance/Career & Technical Education Center. Course numbers are available from Mr. Spruill.

Consortium Courses				
Course Title	Gr.	Course #	Cr.	Course Description & Prerequisites
Weighted Courses	11-12			<ul style="list-style-type: none"> • English III Honors/AP Language and Composition • English IV Honors/AP Literature • English Comp I (Dual or Concurrent Credit) • General Lit (Dual or Concurrent Credit) • Trigonometry (Dual or Concurrent Credit) • Pre-Calculus (Dual or Concurrent Credit) • College Preparatory Chemistry (Dual or Concurrent Credit) • Physics • Honors US History (Dual or Concurrent Credit) • Psychology (Dual or Concurrent Credit) • CP Biology (Concurrent Credit Available) <p>Students must be enrolled in LCC Dual or Concurrent Credit Courses to receive weighting. (See Student Handbook for specific Policy on Concurrent Credit.)</p> <p>2. Weighted course GPA</p> <ul style="list-style-type: none"> • A=5.0 • B=4.0 • C=3.0 • D=2.0 • F=0 • Grades will be posted by letter and GPA. Ex.: B, 4.0 • Weighting does not affect college GPA. Ex.: B, 3.0 <p>3. Implementation of Weighted Courses</p> <ul style="list-style-type: none"> • All proposed weighted courses would be available to the class of 2011 and after. <ul style="list-style-type: none"> ○ Initiation August 2009 • Class of 2009 and 2010 would remain with current approved weighted courses.