

# **CLEARWATER HIGH SCHOOL**



**2010-2011  
Enrollment  
Information**

## **CLEARWATER HIGH SCHOOL GRADUATION REQUIREMENTS**

**Total Credits Required to Graduate from Clearwater High School:** 28 credits

### **Courses Required for Graduation:**

1. 4 credits Language Arts:
  - 1 credit Freshman English
  - 1 credit Sophomore English
  - 1 credit Junior English
  - 1 credit Senior English
  
2. 3 credits Social Science:
  - 1 credit Modern World History (sophomore year)
  - 1 credit U.S. History (junior year)
  - 1 credit American Government (senior year)
  
3. 3 credits Math:
  - (The following specific credits are required starting with the graduating class of 2013)
  - 1 credit Algebra I
  - 1 credit Geometry (or Geometry Concepts by instructor recommendation)
  - 1 credit Algebra II (or Math Standards or Inter. Algebra by instructor recommendation)
  
4. 3 credits Science:
  - 1 credit Biology
  - 1 credit physical science (Phys. Science, Earth & Space Science, Chemistry, or Physics)  
(Earth & Space Science, Chemistry, or Physics—starting with  
the graduating class of 2013)
  - 1 additional science credit
  
5. 1 credit Physical Dimensions (freshman year)
  
6. 1/2 credit Speech or Forensics
  
7. 1/2 credit Computer Applications I
  
8. 1/2 credit Money Management
  
9. 1 credit Fine Arts:
  - Vocal Music classes
  - Instrumental Music classes
  - Art/Photography classes
  - Stagecraft
  - Acting
  - Forensics

## MATH SEQUENCE

Three credits of high school math are required for graduation. It is important that students enroll in the appropriate class as a freshman to have the best chance of success in meeting the three credit requirement and their individual goals based on future career plans.

Freshmen will be enrolled in Algebra I or Geometry. Placement will be by eighth grade math teacher's recommendation. Students who are enrolled in Algebra I in eighth grade and have a second semester grade of at least 85% will be enrolled in Geometry as a freshman. Algebra I students with a grade below 85% will repeat Algebra I as a freshman.

**Students who score below proficient on the Kansas State Math Assessment in the sophomore year may be required to take Math Standards in the junior year.**

Math teachers will make math assignments for the following year based upon current year performance. Concerns about placement should be discussed with the math teacher. Math sequence may follow a number of different paths:

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Algebra I  
Geometry Concepts & Skills  
Math Standards

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Algebra I  
Geometry or Geometry Concepts & Skills  
Intermediate Algebra  
Algebra II

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Algebra I  
Geometry  
Algebra II  
Functions, Statistics, and Trigonometry

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Algebra I  
Geometry  
Algebra II  
College Algebra

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Geometry  
Algebra II  
Functions, Statistics, and Trigonometry  
College Algebra

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Geometry  
Algebra II  
College Algebra (by teacher approval Junior year)  
Pre-Calculus

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Geometry  
Algebra II  
Pre-Calculus  
Calculus

## ENROLLMENT STATUS

Grade level classification for 2010-2011 is by minimum credits earned as follows:

Senior: 19      Junior: 11      Sophomore: 2 1/2

Students shall attend eight semesters and be enrolled full time each semester. Early release time is available second semester for seniors who do not require a full schedule to meet graduation requirements or to be eligible to participate in KSHSAA activities. All required classes must be passed first semester for a student to qualify for early release time second semester.

There will be no changes made in a student's grade level classification during a school year.

Students will be allowed to attend prom only if they have at least 11 credits at the beginning of the junior year.

Seniors must be within 4 1/4 credits of completing graduation requirements at the end of the first semester of the senior year. Students who do not meet this requirement and who are not enrolled in courses outside the regular school day for the purpose of meeting graduation requirements will no longer be considered seniors as far as graduation activities are concerned. **Any coursework taken outside the regular school day must be completed by April 15.**

## TRANSFER STUDENTS

Students transferring from a school offering 8.5 or more credits per year will be required to complete the same credit requirements as Clearwater High School students. Students transferring from a school offering less than 8.5 credits per year may have requirements adjusted accordingly.

## ARTICULATION AGREEMENT WITH COWLEY COLLEGE

<u>Clearwater High School Courses</u>		<u>Cowley Course</u>	<u>Cowley Advanced Course</u>
Accounting and Money Management	=	Fund. of Accounting	Principles of Accounting I
Computer Applications I and II	=	Computer Application	Adv. Computer Application

To receive college credit for an articulated course, the student must:

- receive a "B" or better in the articulated course.
- take the next course in the curriculum at Cowley and successfully complete the course with 80% or above.
- obtain a "Petition for Credit" and present it to the Registrar within one year of successfully completing the advanced course.
- pay the required tuition and/or fees to have credit placed on their college transcript.

## KANSAS COLLEGE ADMISSIONS REQUIREMENTS

Admission to one of the Kansas Regents Universities — Emporia State University, Fort Hays State University, Kansas State University, Pittsburg State University, University of Kansas, Wichita State University -- requires one of the following:

ACT composite score of 21 <b>**OR**</b> Graduate in top 1/3 of senior class <b>**OR**</b> Complete Qualified Admissions Curriculum with 2.0 GPA <b>**OR**</b> Complete 24 credit hours of transferable coursework with 2.0 GPA at an accredited community college or non-regents university
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### QUALIFIED ADMISSIONS CURRICULUM

<b>English</b>	<b>4 credits</b>	
<b>Math</b>	<b>3 credits</b>	Algebra I and above in grades 9 through 12. (Math Standards, Intermediate Algebra, and Adv. Math Lab do not meet the requirement for one of the three credits.)
<b>Social Science</b>	<b>3 credits</b>	
<b>Science</b>	<b>3 credits</b>	One credit must be Chemistry <b>or</b> Physics (Physical Science does not meet the requirement for one of the three credits.)

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### Requirements for Valedictorian and Salutatorian

Students who have the highest and next highest cumulative grade point average and who have also successfully completed the **Kansas Scholars Curriculum** (see below) will be named Valedictorian and Salutatorian. Should a tie exist at either position, Co-Valedictorians and/or Co-Salutatorians will be named.

### Kansas Scholars Curriculum

Kansas Scholars Curriculum is required for Valedictorian and Salutatorian honors and Kansas State Scholarship (profile of typical State Scholar—29 ACT and 3.90 GPA), Kansas Teacher's Scholarship, and Kansas Minority Scholarship. These are the only three scholarships that have these additional requirements and do not affect any other scholarship opportunities students may have.

4 credits Math	3 credits Social Science
3 credits Science (Chemistry <b>and</b> Physics required)	4 credits English
	2 credits Foreign Language

## **HIGH SCHOOL REQUIREMENTS FOR COLLEGIATE ATHLETIC ELIGIBILITY**

(The NCAA reviews eligibility requirements on a yearly basis and reserves the right to make changes. Students will be advised of any changes in a timely manner.)

Students who plan to play NCAA **Division I (KU, K-State, Wichita State) or Division II (Emporia State, Pittsburg State, Ft. Hays State, Washburn)** college athletics must meet the following requirements during their high school years:

**\*\*Attain a minimum grade point average of at least 2.0 in specified core courses:**

(Courses taken in eighth grade cannot satisfy core curriculum requirements.)

	<b><u>Division I</u></b>	<b><u>Division II</u></b>
<b>English</b>	4 Years	3 Years
<b>Math</b> (Algebra I and above)	3 Years	2 Years
<b>Science</b>	2 Years	2 Years
<b>Social Science</b>	2 Years	2 Years
<b>Additional English, Math, or Science</b>	1 Year	2 Years
<b>Additional courses</b> (English, Math, Science, Social Science, Foreign Language)	4 Years	3 Years
<b>Total Core Units Required</b>	<b>16</b>	<b>14</b>

### **\*\* ACT Score**

**Division I**—Earn a sum score on the ACT based on the core GPA/test score index ranging from 2.00 GPA and required 86 sum score on the ACT to 3.55 and above GPA and required 37 sum score on the ACT. The higher the GPA, the lower the required ACT sum score to meet eligibility.

**Division II**—Earn a 68 sum score on the ACT

(ACT sum score is the sum of the four subscores added together.)

Students should apply for certification before graduation, and the NCAA Clearinghouse will issue a preliminary certification report. After graduation, the Clearinghouse will review a student's complete transcript to make a final certification decision. For additional information on NCAA, go to [www.ncaa.org](http://www.ncaa.org).

## **ENROLLMENT GUIDELINES**

1. Courses listed in the enrollment booklet will not necessarily be taught.
2. Any student who has failed a required course must enroll in a make-up course during the following school year or, with approval of the administration, in an equivalent summer school course prior to the start of the following school year.
3. All prerequisites must be completed before enrolling in a class.
4. No course, successfully completed, is repeatable unless so designated.
5. A parent signature is required on the enrollment form.
6. Students who plan to complete the Board of Regents College Admissions Requirements, Kansas Scholars Requirements, or NCAA athletic requirements are responsible for enrolling in the necessary courses at each grade level.
7. Students will bring completed enrollment forms back to school by the designated date to enter their requests into the PowerSchool system. Students who do not have an enrollment form completed by the deadline may not have the opportunity to enroll in their first choices of electives since options may be limited due to classes being full.
8. Students must list TWO DIFFERENT alternates they are willing to take for each semester. Listing classes as alternates that have already been listed as a class choice or listing the same alternates both semesters does not provide the scheduling options necessary. This will result in fewer choices available for you.
9. Students who fail to get instructor permission and initials on the enrollment form for classes that require instructor permission will NOT be enrolled in those classes.
10. Seniors who plan to take Early Release time during second semester and who also plan to participate in any activity governed by the KSHSAA must be sure to enroll in at least five courses of unit weight during second semester. Teacher Assistant, Office Assistant, and X-L Seminar will not count as one of the five.

## **SCHEDULE CHANGES**

It is very important that students carefully choose classes at pre-enrollment to minimize the necessity of schedule changes. Schedule changes may be made in the Guidance Office through the fifth day of each semester. Dropping a class during this time may require written parent consent and an explanation of why the change is being requested. Changes will not be allowed that adversely affect class size. No schedule changes will be allowed after the fifth day of the semester. Changes after the fifth day will be made only by the High School Principal.

## **ORGANIZATIONS AND OTHER EXTRACURRICULAR ACTIVITIES**

**C-Club**--Anyone who has lettered in academics, an extracurricular activity, or a sport is eligible and encouraged to join this lettermen's/women's club. Citizenship and leadership responsibilities are encouraged through club activities. Yearly participation points are required to keep a membership active. Activities include helping with athletic events, sponsoring the Costume Dance, Operation SOS, Donkey Basketball, Relay for Life, Powder Puff Football, Senior-Faculty Games, and providing scholarships to seniors.

**Drama Department**--All students at CHS are eligible to try out for the all-school plays presented each semester. All actors and crew members must maintain the same eligibility standards required of the athletes. Parental permission is also required. At least two major productions will be presented each school year. A minimum of one musical will be produced biannually. Besides acting and/or singing, students will be responsible for work on publicity, set, props, costumes, makeup, lighting, sound, and other crews as needed. Students can letter in drama upon their active participation in at least two shows each year.

**Speech and Drama (Forensics)**—All CHS students who are academically eligible may participate on the forensics team during spring semester. The team will compete on Saturdays and some week nights. Students can compete in various speaking, acting, and interpretation events (i.e. informative speaking, duet acting, solo acting, interpretation of prose.) It is strongly advised that students first enroll in the forensics class in order to understand the events and competition guidelines. Students not enrolled in the forensics class may compete if they have approval from the coaches and proven they are ready with adequate practice with one of the coaches. In order to letter in forensics, out-of-class participants must compete in the minimum required tournaments and receive a gold medal at state festival or a “I” rating at state championships.

**KAYS**--The Kansas Association for Youth is a service organization to serve the school, community, nation, and world. Membership is open to all high school students. A board of officers and program directors lead the activities. Leadership and citizenship responsibilities are encouraged through club activities. Supporting local fire and tornado relief funds, providing food and clothing for local families at Thanksgiving and Christmas, nursing home favors or decorations, UNICEF, donations to Ronald McDonald House, and teacher breakfasts are some of our projects. Members with enough service points will be awarded a pin at the end of the year and invited to a pizza party.

**National Honor Society**--The purpose of NHS is to promote and encourage scholarship, service, leadership, and character. To be considered for membership a student must be at least a second semester sophomore, have at least a 3.75 cumulative grade point average, complete a Student Activity Information Form detailing activities, honors, and courses taken, and submit a letter of reference. Students meeting the requirements are rated on scholarship, service, leadership, and character by a five-member faculty council. Those selected by the council are inducted into NHS in the spring. NHS is a service organization that sponsors such activities as welcoming new students, adopting a family at Christmas, organizing and working the bloodmobile, and helping with other school activities.

## **ORGANIZATIONS AND OTHER EXTRACURRICULAR ACTIVITIES**

**Scholars' Bowl**--This is an academic student organization. Students who sign up will periodically compete (usually Saturdays) with Scholars' Bowl teams from other schools in a competitive question/answer game format. Students can letter in Scholars' Bowl.

**Student Council**--This is the student leadership organization for Clearwater High School. Each class elects two Student Council representatives, and each school organization elects two representatives. In the spring, Stuco officers are elected by the entire student body after candidates campaign for the office they are seeking. Activities include sponsoring school dances and royalty elections and providing scholarships to seniors.

**Students Against Destructive Decisions**--The S.A.D.D. organization was established in Clearwater in 1987. This organization is open to all student body members. To join, a student must sign a S.A.D.D. contract. Students in this organization are to personally pledge a "no-use" philosophy concerning drugs and alcohol. Many activities are planned and participated in year-round by members.

**Fellowship of Christian Students**—Students involved in FCS meet once a week before school for a time of worship and praise. Meetings provide an opportunity for fellowship and support through student-lead programs and discussions. All CHS students are welcome to be part of the group.

**Science Olympiad**--Science Olympiad is a statewide competition between schools held in the spring. Students compete in a series of events that includes geology, biology, chemistry, and physics. Bridges, egg drop, it's about time, mission possible, chem lab, and physics lab are some of the hands on activities. A team of 15 students from grades 9-12 is chosen to compete.

**Athletics**--The following sports are available for Clearwater High School students: football, cross country, volleyball, basketball, wrestling, cheerleading, softball, baseball, track, golf, dance team, and flag team.

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# ART

The area of ART is comprised of a continuum of courses that are sequential. Black and white photography is also available for students to investigate. The focus is to provide students with the opportunity to build knowledge in visual art. The introductory class focuses on medium exploration. The advanced classes emphasize creative problem solving, content, and independent work skills. All classes are project-oriented and are assessed and evaluated with reference to participation and effort.

**\*\*STUDENTS ARE REQUIRED TO PAY FOR PROJECT MATERIAL USED\*\***

## Introduction to Art (9-12) (Two semesters)

The students will be introduced to class procedure, grading methods, and work habits. The course is a prerequisite to all other art classes. The class will involve both two- and three-dimensional projects and will be based on the understanding of the basic art principles and elements. Lecture is minimal; and the focus is on unique, original approaches to projects. Individual emphasis on quality and craftsmanship are important aspects of this class.

## Two-Dimensional Art (10-12) (One semester) (Prerequisite: Intro. to Art for Sophomores) (May be taken by any Junior or Senior)

The course is a follow up to the Intro to Art class (except in the case of upperclassmen). The student has the opportunity to investigate the areas of drawing and painting. The class is designed to give the student the chance to explore specific two-dimensional art in-depth. It is project based and will emphasize participation and effort. The course can be repeated for credit.

## Three-Dimensional Art (10-12) (One semester) (Prerequisite: Intro. to Art for Sophomores) (May be taken by any Junior or Senior)

The course is a follow up to the Intro to Art class (except in the case of upperclassmen). The student has the opportunity to investigate the area of sculpture. The class is designed to give the student the chance to explore specific three-dimensional art in-depth. It is project based and will emphasize participation and effort. The course can be repeated for credit.

## Art IV (10-12) (One semester) (Prerequisite: 3 semesters of Art for Sophomores) (May be taken by any Junior or Senior)

The class is specifically designed for the independent student. The course is project based, emphasizing original personal ideas. The emphasis of the class is to provide a student with knowledge, practice, and creative problem-solving skills. The course can be repeated for credit.

## Independent Study-Art (11-12) (One semester) (Instructor approval required)

The course follows the same format as Art IV. The exception is that a student can take this class independently during a block when another art class is scheduled. Students will maintain a sketchbook for idea formation. The focus is to allow students who feel competent in their ability to develop visual ideas from inspiration to display. The course can be repeated for credit.

## Photography (10-12) (First semester only) (Instructor approval required)

Students must have their own 35mm camera, film (black and white), and print paper. **Camera must be approved by instructor.** Students can purchase their own materials or purchase their film and paper from the school. A minimal cost is added to material to cover print mounting cost and equipment damage. Approximate cost is \$75 per semester. The class introduces black and white photography as a visual art medium. Emphasis is on learning to take photographs (not snapshots), develop film, and enlarge prints. The class structure consists of lecture and lab. Evaluation and assessment are based on projects that make up a significant percentage of the student's overall grade. The project objectives are development of technical skill, creativity, attention to deadlines, and craftsmanship. Limit: 12.

## Advanced Photography (10-12) (One semester) (Prerequisite: One semester of Photography)

Classes can be taken as independent study during Art classes and can be repeated for credit.

## **BUSINESS**

### **Accounting** (11) (Full year) (May be taken 10-12)

Accounting involves the basic understanding of accounting principles, terms, and procedures. The class is useful for anyone interested in the business field and is relevant to the everyday operations of personal financial recordkeeping. Other objectives during the first semester involve the balancing of a proprietorship and partnership's balance sheet, as well as understanding how a small business operates. The class deals primarily with a merchandising business, which is the purchase and resale of items. The class ends with a business simulation where students are the accountant of a proprietorship (small individually owned business) and create all of the financial statements necessary for its operation.

### **Money Management** (11) (One semester) (May be taken 10-12)

Money Management I covers all of the basic information and skills needed in everyday life in order to become successful in maintaining one's finances. Personal budgeting, balancing a checkbook, investing your money, planning for retirement, and managing your credit are the main topics covered in this class. Special projects include an online investment contest where students are allowed to invest in stocks and watch their portfolio daily.

### **Entrepreneurship** (10-12) (Full year) (Instructor approval required)

Supported by the non-profit Youth Entrepreneurs Kansas, this class is a valuable experience for any student with the drive to support themselves as entrepreneurs as they strive to become the business leaders of tomorrow. Students will have an opportunity to plan for and "own" a business through Market Day. Students begin the process of figuring the feasibility of their business ideas with the help of Business Plan Advisors who are professionals from the community. Students will complete the Business Plan and are eligible for competitions, scholarships, partnerships, and other opportunities through Youth Entrepreneurs Kansas. The class is supported with resources, local volunteers, and field trips throughout the year to ensure a valuable, real world experience.

### **Business Law** (11) (One semester) (May be taken 11-12)

Business Law begins with a study of the origin of laws in the U.S.--how they came about, why they came about, and who they are to protect. Units in criminal law, civil law, contract law, and family law will be covered thoroughly during the semester. A field trip will be taken to the Sedgwick County Courthouse in Wichita. This will allow students to observe courtroom actions in progress. The class will conduct mock trials in which every student participates. Through acting the part of a judge, clerk, witness, juror, or reporter, students will be able to see the steps in the trial proceedings.

### **Careers—How to Get One and Keep It** (10) (One semester) (May be taken 9-12)

This course is highly recommended if a student is interested in School to Career. It will explore various careers using interest inventories, employability skills, and guest speakers. Mock interviews and interview etiquette will be covered. With the increased use of technology in the workplace, business ethics including proper use of company time, internet use, and document correspondence will be explored.

## **BUSINESS**

### **Beginning Keyboarding** (9) (One semester) (May be taken 9-12) (Faculty referral required)

This course introduces the computer keyboard taught by the memory and touch method. Emphasis is placed on learning the keyboard and applying knowledge to personal typing and computer use. Speed and control are emphasized as timed writings are given. Centering of material horizontally and vertically is introduced. Basic skill applications are made in the typing of personal communications—business letters with envelopes, short manuscripts, memorandums, and outlines.

### **Sports and Entertainment Marketing** (11-12) (Second semester only)

(Prerequisite: Money Management and Computer Apps. I and II)

This course is designed for students who might be interested in pursuing business, management, or marketing as a career. The basics of marketing will be introduced including market research, consumer behavior, promotion, pricing decisions, marketing plans and strategic advertisement campaigning. The class will examine how these areas are used in the sports and entertainment industries. Areas within the industries include professional sports, theme parks, TV, music and movies, concert and arena productions, and theme restaurants. Students will also obtain an understanding of the career options available within the fields of Sports and Entertainment.

## COMPUTER SCIENCE

### **Computer Applications I** (10) (One semester) (May be taken 9-12)

(Prerequisite: Keyboarding or 25 WPM or instructor permission)

Students will demonstrate competencies on Microsoft Office using word processing and spreadsheets on personal computers. Basic computer terminology, networking, and use of Windows will be emphasized. Computer ethics and future technology will also be discussed.

### **Computer Applications II** (10) (One semester) (May be taken 9-12)

(Prerequisite: Computer Applications I)

Students will demonstrate competencies on Microsoft Office using database management, PowerPoint, and integration of word processing, spreadsheet, and database. Some Internet and telecommunications competencies will also be demonstrated.

### **Computer Graphics** (10-12) (One semester) (Prerequisite: Computer Applications I)

Students will learn how to create a variety of computer generated graphics. Photoshop will be used to create professional looking graphics. Students will learn to edit and enhance digital photographs and other digital images. Some 3D graphics will also be created.

### **Print/Web Page Design** (10-12) (One semester) (Prerequisite: Computer Graphics)

Students will learn to design printed and web pages. InDesign will be used to create signs, flyers, advertisements, cards, and brochures. Dreamweaver will be used to create web sites. Students will also be introduced to Content Management Systems to set up dynamic web pages. Good layout, use of graphics, text, white space, and grids are some of the topics covered.

### **Computer Animation** (11-12) (One semester) (Prerequisite: Print/Web Page Design)

Students will learn basic Computer Animation and digital video. Flash MX will be used by students to create flash animations. Students will also capture digital video and use Adobe Premiere to create digital movies.

### **Computer Programming** (11-12) (Full year) (Prerequisite: Geometry)

This course is designed to develop the students' programming and problem solving skills. Students interested in the fields of mathematics, programming (including games), or engineering would benefit from the class. Emphasis will be on problem solving, algorithm design and implementation, and structured programming skills. Students will learn to create their own basic games. Students may be able to receive college credit from Newman University by taking this class and meeting the requirements. College credits usually transfer to most colleges and universities.

## **FAMILY AND CONSUMER SCIENCES**

### **Child Development** (9-12) (First semester only)

The course includes learning about the family, prenatal development, and birth. Units will cover the physical, intellectual, social, and emotional development from birth to age three with the emphasis on awareness of the special responsibilities of parenting. Practical experience may be gained by observing and working with parents and children in the community. Students will participate in the computerized simulated infant care project.

### **Child Development Lab** (9-12) (Second semester only) (Prerequisite: Child Development)

The course will focus on children from age three to nine. The class members will spend a majority of the time working with children at the community preschool and with students in the elementary buildings. Students become aware of jobs/careers in the areas of child care and child development.

### **Interior Design** (9-12) (Second semester only)

The course will focus on housing styles of the past and present, housing financial planning, elements and principles of design, floor plan evaluating and drawing, storage and home maintenance, furniture selection and styles, and careers related to housing and interior design. Students will complete home decorating and home design projects using interior samples and become aware of housing careers.

### **Food Management I** (9-12) (One semester) (Required for any other foods class)

Students will learn the fundamentals of reading recipes, measuring, figuring costs of recipes, and cooking. Topics studied will include food guidelines, servings, labels and nutrition, safety and sanitation, equipment, preparation terms, quick breads, milk and cheeses, breakfasts, cookies, pies and candies or jellies. The microwave will be studied and used in class. Food will be prepared and sampled by each class member. Students will learn to set the table properly for each lab. Students become aware of food service and food science careers. (Lab Fee \$10.00)

### **Food Management II** (9-12) (One semester) (Prerequisite: Food Management I)

This course is the study of foods to be cooked for lunch or dinner. Table settings and etiquette will be covered. Preparation of meats, fruits, vegetables, yeast breads, cakes, garnishes, and salads will be classroom projects. Nutrition and microwave cooking will be covered. Safety and sanitation will be used in the labs. Students become aware of food service and food science careers. (Lab Fee \$10.00)

### **Advanced Foods I** (10-12) (First semester only) (Prerequisite: Food Management I and II)

Students will concentrate on baking and cooking from a recipe. Cooking will include quick loaf breads, honey cookies, breads and smoothies, fancy yeast breads, meringue pies and tarts, soups, salads and sandwiches, and pasta dishes. Students will select and prepare an international meal. Students will use proper safety and sanitation in labs, and proper table settings will be used. Students will become aware of food service and bakery careers. (Lab Fee \$10.00)

### **Advanced Foods II** (10-12) (Second semester only) (Prerequisite: Advanced Foods I)

Students will continue more difficult food preparation techniques and baking skills. Cooking labs will include fruits and vegetables, dehydrating foods, eggs, pork, salads, baked desserts or fancy desserts, angel food or chiffon cakes, and decorated cakes or cookies. Students will use proper safety and sanitation in labs, and proper table settings will be used. Students will become aware of various careers in the food industry. (Lab Fee \$10.00)

## **FAMILY AND CONSUMER SCIENCES**

### **Basic Sewing Techniques** (9-12) (First semester only)

Basic sewing terms, use and care of the sewing machine, sewing and pressing equipment, seams and seam finishes, construction details such as pockets, buttons and buttonholes, and simple neckline and waist finishes are covered. Students will use the regular sewing machines, the serger machines, and the computerized embroidery machine. Students will complete a sample techniques notebook and a project of their choice each nine weeks. A unit on the fashion world or fabrics will be covered. Students become aware of various clothing related careers. Limit: 20.

### **Clothing I** (10-12) (First semester only) (Prerequisite: Basic Sewing Techniques)

This course is designed to improve the construction skills of each student. Attention will be given to sleeves, zippers, and collars. Students will complete a sample techniques notebook for use later in the class. Students will use the regular sewing machines, the serger machines, and the computerized embroidery machine. Students will construct a minimum of two projects based on skill level. A unit on the fashion world, fabrics, and/or color analysis will be covered. Students become aware of various clothing related careers. Limit: 20.

### **Clothing II** (11-12) (First semester only) (Prerequisite: Clothing I)

Students in this course will continue to improve on the skills learned in Clothing I. Students will complete sample techniques for their notebooks. Students will use the regular and serger sewing machines, varying the threads and seams by changing one or more components such as stitch length and width and type of threads. The computerized embroidery machine will be used for projects. Students will learn to texturize a fabric. Students will complete two projects in the semester. A unit on the fashion world, fabrics, and/or color analysis will be covered. Students become aware of various clothing related careers. Limit: 20.

### **Clothing III** (12) (First semester only) (Prerequisite: Clothing II)

Construction of a garment based on the student's needs and abilities is emphasized. Intermediate and advanced construction techniques will be covered. Students will complete samples techniques for a notebook. Some techniques learned will include bound buttonholes, various pockets, matching plaids, working with nap fabrics, cuffs, and various placket or collar applications. Students will learn to texturize a fabric. Students will use the regular and serger sewing machines and the computerized embroidery machine. A unit on the fashion world, fabrics, and/or color analysis will be covered. Students will complete a project based on advanced skills. Students become aware of various clothing related careers. The class can be repeated for credit. Limit: 20.

## **FOREIGN LANGUAGE**

### **Spanish I** (9-12) (Full year)

An understanding of basic English grammar is necessary before enrolling in this class. This course focuses on grammar and vocabulary. Emphasis will be placed on reading and writing skills. Verb conjugations and tenses, common expressions and sentence formation will be stressed. Later in the class, more emphasis will be placed on listening, then speaking skills. Using appropriate vocabulary and grammatical structures, students will be able to discuss and describe everyday topics. Students will also be able to ask and answer simple questions. Exposure to Spanish cultures will be incorporated into the curriculum.

### **Spanish II** (10-12) (Full year) (Prerequisite: Spanish I with a “C” or better)

This course will consist of both a review of all grammar and vocabulary of Spanish I and an in-depth and more complete study of grammar and vocabulary. More stress is placed on speaking and listening comprehension. Students will be expected to create dialogues, commercials, stories and essays in the target language. Computer use and the internet will be a part of the weekly curriculum. Exposure to more Spanish cultures will also be included in the curriculum.

### **Spanish III** (11-12) (Full year) (Prerequisite: Spanish II with a “C” or better)

This course will review all of what has been learned in Spanish I and Spanish II. It will further study the grammar and finer points of the language. Students will approach fluency in the language involving everyday topics. Movies, computers, the internet, Spanish chat rooms, Spanish magazines, commercials and Spanish TV will all be utilized to enhance the students’ listening, reading, writing, speaking and cultural understanding abilities.

### **Spanish IV** (12) (Full year) (Prerequisite: Spanish III with a “C” or better)

Students will do all work done by Spanish III students, with added enhancement assignments. Fluency will be perfected to a degree on which improvement can only be achieved through total language immersion.

### **Mandarin Chinese** (12) (Full year)

Mandarin Chinese is offered through the South Central Kansas Education Service Center located at 13939 Diagonal Road in Clearwater. The class meets every day, and students are responsible for providing their own transportation to the Service Center. Students earn 1.0 credit per semester for this class since it meets daily.

This course is an introduction to Mandarin Chinese and the Chinese cultures. The purpose is to enable students to speak and understand Chinese, engage in conversations, express feelings and emotions, and exchange opinions. It also helps students recognize and write the most common Chinese characters, make sentences, and write simple letters and articles. In this course, students will gain a basic knowledge of Chinese history, Confucius culture, Taoist culture, politics, religion, etc. Students are encouraged to explore their thoughts and feelings about these cultures through searches on the internet, a presentation, and class discussions. The goal is to consider the roots of Chinese culture.

## LANGUAGE ARTS

### Freshman English (9) (Full year)

This course is designed to provide students with the necessary skills for speaking and writing in standard English. There will also be various literary units worked in throughout the course to provide the demonstration of the skills learned. Literary units will include the short story, poetry, drama, and a novel. The grammar aspect will cover the eight parts of speech, usage, and punctuation. Composition will cover the development of complete sentences, paragraphs, and essays.

### Sophomore English (10) (Full year)

This course integrates literature and composition aspects of language arts. Students survey short stories, poems, plays, novels, and non-fiction. These selections help provide springboards for composition exercises, ranging from sentences to paragraphs to complete compositions. Writing segments emphasize organization and development of ideas as well as usage, mechanics, technical writing, and spelling.

### Junior English (11) (Full year)

This course is designed to integrate a survey of literature with the skills of advanced composition. With an emphasis on literature and life in the United States (American Literature), this course will review basic grammar and punctuation skills to progress from sentences and paragraphs to multi-paragraph compositions. Standard course assignments include testing of vocabulary, spelling, literary terms, techniques, and genres, which are incorporated into frequent class writings evaluated by the six-trait writing model. Readings include short stories, drama, poetry, and novels, and may include a Shakespearean play. At least one research project is required.

### Senior English (12) (Full year)

This course is designed to integrate a survey of literature with the skills of senior-level composition. With an emphasis on literature and life in England (English Literature), this course will review the type of formal English required in writing mature essays. Standard course assignments include testing of vocabulary, spelling, literary terms, techniques, and genres, which are incorporated into frequent class writings. Readings include short stories, drama (including Shakespeare), poetry, and novels.

### Forensics (9-12) (Second semester only)

Students enrolled will be required to compete several Saturdays or weekday evenings, in addition to regional and state competition, during the semester as members of the school's speech and drama team. Each student will present at least five of the nine state-approved events. Other areas of study will include types of speeches, structure and delivery of a speech. Students must receive a gold medal at state festival, a "I" rating at state championships, or make an "A" in the class to letter, in addition to competing in the minimum number of tournaments. Students enrolling in Forensics must be available for Saturday competition and should check with the instructor before enrolling to discuss possible conflicts with other activities. A student must be academically eligible to compete according to KSHSAA guidelines. The class can be repeated for credit.

### Speech (9-12) (One semester)

Students will gain experience and confidence in speaking. Areas covered will include introductions, interpersonal communication, group discussion, and informative and persuasive speeches. Each student may read daily office announcements at least once during the semester.

## LANGUAGE ARTS

### Myth, Legend, and Fantasy (9-12) (One semester)

This class will explore myths, legends, and fantasy in literature, including Greek, Roman, and Norse mythology, the King Arthur legend, and the writings of J. R. R. Tolkien, among other materials. Emphasis will be placed on establishing familiarity with figures and allusions that are commonly found in American and English poetry, drama, and other literature. Students will be asked to write responses, create stories with established characters, and take general knowledge tests over materials covered. Those who enjoy reading and discovering the roots of some of our modern beliefs should consider taking this class.

### Acting (9-12) (One semester)

Students in this class will gain experience in the basics of the theatre. Activities will include pantomime, improvisation, and acting in memorized scenes from a variety of plays. A unit on the history of the theatre will also be included. Students will be encouraged, but not required, to audition for the all-school plays and musicals. The class can be repeated for credit with instructor approval.

### Stagecraft (9-12) (One semester) (Sophomores through Seniors can enroll on a space available basis and with prior approval)

Stagecraft is the study and practice of behind-the-scenes work in the modern theatre. This will include study and practical work in materials, scenery construction, scene painting, and the construction and management of stage properties. A unit on stage makeup will include three different makeup applications: straight, old age, and character. Students enrolled in the class will be encouraged, but not required, to volunteer for one or more production crews for the all-school plays and musicals. The class can be repeated for credit with instructor approval. Limit: 15.

### The Reading Project (9 [second semester only] -12) (One semester)

This course is designed to encourage reading for pleasure. The students' reading levels will be assessed, and an individual reading goal will be established for each student. Students will keep updated readers' journals and complete a variety of reading-related projects. Students must be prepared to meet their regular reading goals for English classes with additional points required for this class. The class can be repeated for credit.

### Reading Writing Workshop (9-11) (One semester)

Enrollment in this course will be determined by non-proficient scores on the Kansas State Reading Assessment test and/or by teacher recommendation. The course curriculum will follow the Kansas State Standards for reading and writing with a focus on reading comprehension strategies and writing skills. Students who do not score proficient or above on the Kansas State Reading Assessment in eighth grade will enroll in this course in ninth grade. Students not previously enrolled in this course who do not score proficient or above on the Kansas Reading Assessment in tenth grade will be required to enroll in this course the following semester. Students will remain in this course until a proficient score is earned on the Kansas State Reading Assessment or designated exit exam. This course does **not** count as a required Language Arts credit required for graduation. The class can be repeated for credit.

### Creative Writing (10-12) (One semester)

(Prerequisite: At least a "B" in English or instructor approval)

Students in this class will learn the skills necessary to write effectively in a variety of such creative formats as fiction, personal essays, poetry, and drama. Students will write daily journal entries and compile an anthology of their own and others' creative writing.

## **LANGUAGE ARTS**

### **Writing for Publication: Yearbook** (10-12) (Full year)

(Prerequisite: At least a “B” in English and instructor approval)

(Prerequisite for photographers: One semester of Photography and instructor approval)

Coursework includes the study of basic journalistic terms and composition structure as well as planning, design layout, and researching information to be used in the school’s yearbook. The staff should anticipate computer work (InDesign and PhotoShop programs), photography assignments, photo selection and scanning, and advertisement sales. Students will learn to design a double-page spread with text, graphics, and scanned or printed photos using appropriate fonts and formatting. They will also use leading, tracking, and kerning in order to properly format spacing of headlines, captions and text. The use of master pages, layers, styles, ruler guides, and libraries will be included. All staff members are responsible for collecting advertisement money to cover the printing cost of the yearbook. Enrollment in this class is a yearlong commitment. Students will be subject to semester review and may be dismissed by the instructor. The class can be repeated for credit. Limit: 15.

### **Writing for Publication: Newspaper** (10-12) (Full year)

(Prerequisite: At least a “B” in English and instructor approval)

Instructor approval is based on an interview and on the quality of a portfolio of written work submitted by the student. Newspaper editor/s will be chosen after the instructor has reviewed the student’s resume and portfolio. The school newspaper plays an important role in keeping students and Clearwater citizens updated on issues facing the school and the community. A key element of keeping readers informed is the use of technology. Staff members will use equipment such as PC’s, scanners and digital cameras. Students will learn the importance of technology in mass media. They will compose and design the newspaper (via Adobe InDesign) and write stories, edit stories, and sell advertisements and will learn to operate within strict time constraints. Staff members should expect occasional work periods after school hours. Students will be subject to a semester review and may be dismissed by the instructor. The class can be repeated for credit. Limit: 15.

### **Beginning Sign Language** (9-12) (First semester only)

This class is not available to students who have completed a beginning sign language class. It is open to students interested in learning to sign, using the system of Signing Exact English. Basic signing vocabulary will be taught as well as information about the deaf and hard-of-hearing, what a deaf person perceives, what special devices can help them, and the history of Sign Language.

### **Intermediate Sign Language** (9-12) (Second semester only)

(Prerequisite: Beg. Sign Language or other sign language class)

This class is a continuation of Beginning Sign Language and will include vocabulary, conversational signing, research, and learning the function of the ear. This class will also associate deafness with other disabilities. The class will provide career education in the field of deaf and hard of hearing.

## LANGUAGE ARTS

### College Writing (12) (Second semester only)

(Prerequisite: At least a “B+” in first semester Senior English and instructor approval)

This dual-credit course is offered through Newman University at Clearwater High School for three hours of college credit and .5 credit of high school elective credit. Students are enrolled in this class **in addition** to Senior English class. This course focuses on college level composition, including several longer compositions, at least one of which is a research paper written in MLA style. The cost for this class will be approximately \$180.

### College Speech (11-12) (First semester only)

(Prerequisite: At least a 3.0 cumulative gpa and a qualifying reading score)

This dual-credit course is offered through Cowley College at Clearwater High School for three hours of college credit and .5 credit of high school elective credit. The course will cover fundamentals basic to all good private and public speaking experiences, elements in voice production and improvement, bodily movement, confidence, poise, and understanding of all types of public speeches. The qualifying reading score for the class will come from either a score of 18 or higher on the Reading portion of the ACT test or a passing score on a test given by Cowley College. The cost for this class will be approximately \$300, which includes the cost of the book. **This class cannot be taken in place of the Speech class required by CHS.**

## MATHEMATICS

(Please see “Math Sequence” information on page ii of this book.)

(Calculators are recommended for all Math classes.)

### Algebra I (9-12) (Full year)

Students will demonstrate knowledge in the following: writing and solving story problems (one variable and variables on both sides of the equation), adding/subtracting/multiplying/dividing real numbers, factoring polynomials, using functions, adding/subtracting/multiplying/dividing polynomials, solving linear equations, solving and graphing inequalities, adding/subtracting/multiplying/dividing fractions, manipulating the Pythagorean theorem, adding/subtracting/multiplying/dividing radicals, and solving equations by completing the square and using the quadratic equation.

### Geometry Concepts and Skills (10-12) (Full year) (Prerequisite: Recommendation of high school Algebra I instructor)

This course covers all of the major concepts of Geometry. Topics include segments and angles, parallel and perpendicular lines, triangle relationships, congruent triangles, quadrilaterals, similarity, polygons and area, surface area and volume, right triangles and trigonometry, and circles. This course is designed to give the student a foundation of geometry concepts. Less emphasis is placed on proofs in this geometry class.

### Geometry (9-12) (Full year) (Prerequisite: Algebra I)

This course will cover the basic concepts of point, line, and plane, which are the foundation of geometry. Also, polygon identities, inequalities, and congruences will be taught using theorems, postulates, and proofs. The topics of areas, volumes, and circles will close out the year.

### Math Standards (11) (Full year) (Prerequisite: Instructor recommendation)

Enrollment in this course is **required** for students not meeting the standard on the Kansas State Mathematics Assessment given during the sophomore year and not enrolled in Intermediate Algebra, Algebra II, or Geometry during the junior year. The course curriculum will follow the Kansas State Standards and prepare the students to meet the standard on the Kansas State Assessment which will be given again in April of the second semester of the junior year.

### Intermediate Algebra (10-12) (Full year) (Prerequisite: Algebra I **and** Geometry or Geom. Concepts **and** instructor recommendation)

This class is for students who have Algebra I and Geometry or Geometry Concepts credit, who are not prepared to be in Algebra II. Topics covered will primarily be those of second semester Algebra I and first semester Algebra II. Such topics include, but are not limited to, solving and graphing linear and quadratic equations and functions, simplifying rational polynomial expressions using factoring, solving systems of equations, and solving higher degree polynomial equations.

### Algebra II (10-12) (Full year) (Prerequisite: Geometry)

This course is designed to complete the understanding of the fundamental skills of algebra. It is a rigorous course designed to provide a solid algebra base, which will prepare students for a college algebra course. Areas of concentration include linear and quadratic functions, polynomial equations, and exponential equations and their graphs.

## MATHEMATICS

### Functions, Statistics & Trigonometry (11-12) (Full year)

(Prerequisite: Algebra II **and** instructor recommendation)

This class is for students who have Algebra I, Geometry, and Algebra II credit, but do not feel comfortable taking College Algebra or Pre-Calculus. The course will cover Statistics, Trigonometry, and Algebra III concepts and will be preparation for taking pre-Calculus.

### College Algebra (12) (Full year) (Prerequisite: FST or Algebra II or instructor approval)

Students enrolled in College Algebra may take the class for dual credit through CHS and Newman University. To receive 3 hours of college credit, students must have a 3.0 cumulative grade point average and have a grade of "B" or higher in College Algebra first semester. Students who meet these requirements and pay tuition of approximately \$180 to Newman University at the beginning of second semester will receive 3 hours of college credit, which is transferable to most colleges and universities. Students should check with colleges under consideration to determine if and how this credit will transfer. Students who do not meet the Newman University requirements may continue in the class second semester and will receive high school credit only. The course is designed to equip both calculus and non-calculus bound students with a basic knowledge of how to apply the classical functions of College Algebra to real life problems. The concepts covered, but not limited to, will be linear, quadratic, polynomial, rational, variation, exponential, and logarithmic functions and solving system of equations.

### Pre-Calculus (11-12) (Full year) (Prerequisite: Algebra II)

This course is designed to provide the basic skills necessary for calculus and other upper level mathematics classes. This course is recommended for students interested in the study of math, science, architecture, business, and computer science. Areas of concentration will include trigonometry, logarithmic and exponential functions, polynomial equations, matrices, and conic sections.

### Calculus (12) (Full year) (Prerequisite: Pre-Calculus)

This course covers limits and their properties, differentiation, and integration. Applications of differentiation to graphing and finding extrema, increasing and decreasing functions, and optimization problems will be included. Applications of integration will involve finding areas under curves and volumes created when revolving a function about a line. The course can be taken for concurrent credit with Newman University at a cost of approximately \$300 for 5 hours of college credit if the student has a cumulative grade point average of 3.00 or better. The Newman credit will be awarded at the end of second semester. The Calculus credit is transferable to most colleges and universities, but students should check with the universities they are considering attending to determine if and how this credit will transfer.

### Advanced Math Lab (11-12) (Full year) (Prerequisite: Algebra II and concurrent enrollment in Pre-Calculus or Calculus)

This course will concentrate on the curriculum involved in Pre-Calculus and Calculus. It will meet on the day Pre-Calculus and Calculus do not meet. Enrollment is required for Calculus students and recommended for Pre-Calculus students. Also included in the curriculum will be preparation for the ACT in mathematics. The primary objective is to give students in these classes more opportunity to learn higher level mathematics concepts than can be accomplished by meeting in class only every other day. Students will receive .5 of **elective** credit each semester. It will **not** meet any of the three mathematics credits required for graduation.

## MUSIC

### **Band/Jazz Ensemble** (9-12) (Full year)

Band is open to students who have successfully completed the previous year or have permission from the director to enroll. Emphasis is on developing music reading skills, individual technique, basic music theory, musicianship, and appreciation for music through study and performance of traditional and contemporary music. Band members will audition during the first two weeks of school for the Jazz Ensemble, and in addition to the previously mentioned skills will develop an understanding of different concepts of jazz. Jazz Ensemble students receive an additional ½ credit per year. Jazz Ensemble members will be assigned to the band director for X-L. Rehearsals will be held during XL and during first lunch on white days.

Performances will be held outside of the school day in almost ALL instances. Attendance is mandatory. During marching season the Band will perform at football games as a pep band or as a marching band. Indian Color Guard (Silky Blues) is a vital part of the Marching Indians. Color Guard auditions will be held each spring for the following fall. Expectations will be stated and acknowledged at that time. Following marching season, concert band will begin for the Symphonic Wind Ensemble. Color guard members who do not play a musical instrument will be assigned other tasks supporting the Band. Concerts for the Symphonic Wind Ensemble (concert band) will include a winter concert, state band festival, and spring concert. The Jazz Ensembles will perform at community events, concerts, and available jazz festivals.

Students may also participate in pep band at basketball games and may be provided other opportunities such as honor bands, solos and ensembles at regional and state festivals, as well as scholarship auditions. Students using school-owned instruments (drumline/percussion, large brass, saxophones, clarinets, double reeds, and other specialty instruments) will pay a \$50 user fee. Special clothing is required for performances. This class fulfills the KSDE fine arts requirement for graduation and can be repeated for credit.

### **Intro to Band** (9-12) (One semester)

This class is offered for students who have never enrolled in Band but would like to learn to play a band instrument. Students who enrolled in Beginning Band but dropped out prior to high school may enroll to renew their knowledge and skills so that they can join the Band class. Students enrolled in Band who wish to learn to play additional instruments may also enroll. This class will be presented as individualized instruction with guidance by the instructor. Other educational opportunities in instrumental music may be offered by consulting the instructor. This class fulfills the KSDE fine arts requirement for graduation and can be repeated for credit.

### **Concert Choir** (9-12) (One semester)

This is a large choral group open to anyone with a desire to sing. Emphasis is on developing musical skills and music appreciation through a variety of available choral literature. The group will have concerts both semesters, as well as opportunities to sing outside the school. Evening performances are required. Dress clothes (slacks, dress shirts, ties for men and dresses or skirts and blouses for women) are required for performances. The class can be repeated for credit.

### **Select Vocal Ensemble** - “Blue Notes” (9-12) (Full year) (Enrollment by audition)

This group of twelve males and twelve females will perform a variety of music from 16th century madrigals to contemporary show choir tunes. Movements are incorporated into many of the works. The ensemble serves as a public relations group through many outside performances. Evening performances and special clothing are required. The class can be repeated for credit.

### **Select Women’s Ensemble** - “Bel Canto” (9-12) (Full year) (Enrollment by audition)

This group of ten to fourteen female singers will perform a variety of music from 16th century madrigals to contemporary show choir tunes. Movements are incorporated into many of the works. The ensemble serves as a public relations group through many outside performances. Evening performances and special clothing are required. The class can be repeated for credit.

## **PHYSICAL EDUCATION**

**Physical Dimensions--Boys** (Health and Physical Education) (9) (Full year)

**Physical Dimensions--Girls** (Health and Physical Education) (9) (Full year)

This class is required for freshmen. The course is designed to provide young adults with knowledge and skills needed to engage in a physically active, healthy lifestyle throughout life. The three areas of focus will be health-related fitness, lifetime physical activity, and health/wellness concepts and skills.

**Sports and Fitness** (10-12) (One semester) (Prerequisite: Physical Dimensions)

The first 30 minutes of the class period will focus on individual physical fitness such as flexibility, cardio development, and strength training. Students will create and work on an individualized plan that will help them develop a healthy lifestyle in exercising. The remainder of the class period will focus on strengthening the individual's physical, mental, emotional, and social growth through competitive physical activities. Team and individual sports will be played both indoors and outdoors. This is a coed class and can be repeated for credit. Limit: 25.

**Strength Training** (9-12) (One semester)

This course is designed to increase total body strength and muscle tone. Regular participation is required to make progress. Students will participate and use the correct techniques and the safe use of all weight lifting equipment. Participation will also include a variety of aerobic and anaerobic activities, which will develop agility, endurance, and cardiovascular endurance. This will be a comprehensive program that will require, but not be limited to, the four core lifts (squats, bench, cleans, and dead lift). Students' progress will be evaluated daily. To take more than one block of Strength Training in a semester requires written permission from the teacher. This is a coed class and can be repeated for credit. Limit: 32.

**Lifetime Activities** (9-12) (One semester)

This course is designed to promote wellness through regular participation in physical fitness activities. The need for lifetime exercise, as opposed to occasional participation, is emphasized. Specific areas of concentration will include cardio-respiratory efficiency, muscular strength, flexibility, and setting fitness goals. Activities will include swimming, bowling, aerobics, walking fitness programs, cycling, skating, rollerblading, fitness games, outdoor adventures, and other non-contact games. Students' progress will be evaluated at the beginning, midterm, and end of the semester. This is a coed class and can be repeated for credit.

## SCIENCE

### Earth and Space Science (9-12) (Full year)

This class will allow students to investigate rock and mineral formation, composition, and identification. Other areas of focus will include plate tectonics and geological formation of mountains, island chains, volcanoes, and oceanic trenches. The second semester will include an overview of the solar system and major structures and phenomenon of our solar system and universe. Students will experience hands on learning both inside and outside the classroom.

### General Biology (9-12) (Full year)

Biology is a major branch of science that deals with all living things. Students will develop an understanding of the basic processes essential to all living organisms. This course will explore the many areas of biology including studies of plants and animals, classification, cells, etc. It will also focus on the basic principles of ecology. Several projects and experiments are planned to help students gain an appreciation for nature and what it has to offer.

### Advanced Biology (10-12) (Full year) (Prerequisite: One year General Biology. Adv. Biology is a college prep class.)

Advanced Biology I (fall semester) will include nature of science, cellular biology, heredity/genetics, and principals of evolution. Advanced Biology II (spring semester) will include microbiology, biotechnology, biochemistry, classification, and careers in biology. This is a laboratory, problem solving, and project intensive course to help students gain a working knowledge of the vocabulary and many concepts of several branches of biology. Students will demonstrate the ability to recognize living organisms and their interrelationships. Students will understand aspects of many other topics including learning about several genetic conditions, predicting the occurrence of inherited disorders, and identifying sources of disease with emphasis in exploring biological careers.

### Anatomy and Physiology (11-12) (Full year) (Prerequisite: 1 year General Biology)

Students will study the structures and functions of the human body. The course will cover human biology, major organ systems, and affects of diseases on the human body. Students can expect several labs and a complete cat dissection to enhance learning. Students enrolled in Anatomy and Physiology may take the class for dual credit through CHS and Newman University. To receive 4 hours of college credit, students must have a 3.0 cumulative grade point average. Students who meet this requirement and pay tuition of approximately \$240 to Newman University at the beginning of second semester will receive 4 hours of college credit, which is transferable to most colleges and universities as general education biology credit for non-science majors. Students should check with colleges under consideration to determine if and how this credit will transfer. Students who do not meet the Newman University requirement can enroll in the class for high school credit only.

### Chemistry (10-12) (Full year) (Prerequisite: Algebra I. Algebra II or concurrent enrollment recommended. Chemistry is a college prep class.)

Chemistry is a requirement for college majors in the sciences such as engineering, nursing, and architecture. Skills in the laboratory, deductive and inductive thinking, as well as understanding of the world around us will benefit all students.

First semester includes the history of the development of the atom, the periodic table, nomenclature, and bonding. Second semester the topics studied are chemical reactions, stoichiometry, gas laws, acids and bases, and oxidation-reduction.

Students will spend about half the time in the laboratory studying concepts as well as quantitative and qualitative relationships.

## SCIENCE

**Physics** (11-12) (Full year) (Prerequisite: Algebra I. Algebra II or concurrent enrollment recommended. Physics is a college prep class.)

Physics increases understanding of the world around us. During the first semester, numerous laboratory investigations will give a hands-on study of Newton's laws of motion, energy, thermodynamics, and states of matter. Interactive physics on the computer creates simulations by drawing objects on the screen. A ripple tank, lenses, and mirrors are used to study waves and their properties during the second semester. A study of the properties of electricity completes the year.

## SOCIAL SCIENCE

### Modern World History (10) (Full year)

Modern World History is a combination of Geography and World History. We will use the textbook Modern World History and *Mapping World History* as our main sources. Some of the major areas of study will be the Renaissance, the Reformation, the Age of Discovery, the French Revolution and Napoleonic Age, the Age of Imperialism, the Industrial Revolution, the World Wars, and the restructuring of the post war world.

### U. S. History (11) (Full year)

This course will concentrate on the years following the settling of the American West. Topics will include industrialization, overseas expansion, World War I, the 1920's, the Great Depression, World War II, the Cold War, the civil rights movement, and the Viet Nam War.

### American Government (12) (Full year)

This course surveys the basic structures and functions of local, state, and national governmental units. Students will investigate the ways in which these levels of government interact and directly impact their lives. Particular emphasis will be placed upon the structure and functions of the U.S. Constitution.

### Geography (9-12) (One semester)

The Geography course begins with vocabulary and the introduction of the five fundamental themes of geography--location, place, relationship within places, movement, and regions. The themes are used to study landforms, countries, people, cultures, and more advanced geography. The materials used for the class include atlases, desktop maps, and student handouts and notes.

### Modern History—1950's to 1970's (10-12) (First semester only)

This course explores American history and culture from post World War II through the Iranian Hostage Crisis. Topics covered include, but are not limited to, the Cold War, Rock-N-Roll, Civil Rights Movement, Vietnam, Counterculture/1968, and Watergate. The course covers the terms of Presidents Harry S. Truman through Jimmy Carter.

### Modern History—1980's to Present (10-12) (Second semester only)

This course explores American history and culture beginning with the Presidency of Ronald Reagan through current historical events. Topics covered include, but are not limited to, the Iran-Contra affair, Glasnost, AIDS awareness, the Persian Gulf War, the Clinton Administration, terrorism, Kosovo Crisis, the computer age, 2000 election, MTV/Generation X, 9/11, and the War on Terror.

### Economics (11-12) (One semester)

This course will be an introduction into how economic systems deal with the scarcity of goods and services. Microeconomic topics will include scarcity, opportunity cost, decision-making, economic systems, and market structures. Macroeconomics will include gross domestic product, unemployment, inflation, income distribution, money and banking, and international trade.

### Current Events (History Now) (9-12) (One semester)

A variety of news sources will be utilized to study current world, national, and local events. Students will use maps to identify the location of the news events being discussed. Geography quizzes will be given on the locations of these events. Each class period students will report on three news stories—one world, one national, and one local. These written reports will be turned in each class period, and students will present these reports orally to the class.

## **SOCIAL SCIENCE**

### **College Psychology** (11-12) (One semester)

(Prerequisite: At least a 3.0 cumulative gpa and a qualifying reading score)

This dual-credit course is offered through Cowley College at Clearwater High School for three hours of college credit and .5 credit of high school elective credit. The course is a general introduction to the scientific study of human behavior as it applies to daily living. The scope of the course includes history, basic theories, biological bases of behavior, development, cognitive processes, individual awareness, motivation, emotion, personal adjustment, and social psychology. The qualifying reading score for the class will come from either a score of 18 or higher on the Reading portion of the ACT test or a passing score on a test given by Cowley College. The cost for this class will be approximately \$300, which includes the cost of the book.

### **College Sociology** (11-12) (Second semester only)

(Prerequisite: At least a 3.0 cumulative gpa and a qualifying reading score)

This dual-credit course is offered through Cowley College at Clearwater High School for three hours of college credit and .5 credit of high school elective credit. The course is an introductory study to acquaint students with the influence of human social behavior. Sociology studies the processes and patterns of individual and group interaction by acquainting students with the development, characteristics, and functioning of human groups, the relationships between groups, and group influences on individual behavior. It includes the study of how social relationships are created, maintained, and changed. The qualifying reading score for the class will come from either a score of 18 or higher on the Reading portion of the ACT test or a passing score on a test given by Cowley College. The cost for this class will be approximately \$300, which includes the cost of the book.

## **TECHNOLOGY**

### **Materials and Precision Production Methods** (9-12) (One semester)

Basic instruction is given in woodworking, including a CNC (Computer Numerically Controlled) project completed on the CNC router. Safety and instruction on all woodworking machines are stressed. Precision construction techniques, basic shop math, hand tools, finishing, project design and wood selection will also be covered. Workmanship, PRIDE, and responsibility are emphasized. First project will be assigned. Safety glasses required. Limit: 14. (Fee \$10.00)

### **Precision Woodworking and Cabinetmaking** (10-12) (One semester) (Prerequisite: Materials and Prec. Production)

This broad based class incorporates advanced techniques using CAD and CNC applications in producing wood based projects. The class will emphasize joinery, project design, basic box construction, and casework. All materials are paid for by the student. Safety glasses required. Limit: 14.

### **Woodworking By Design** (9-12) (One semester)

This will be a ladies only class without any pressure from the guys. Learn the basics of woodworking creating projects you choose. The class will cover basic joinery and techniques along with an introductory unit utilizing the CNC router. Safety glasses required. Limit: 14.

### **Technical Drafting** (9-12) (One semester)

Students will study and complete line work, geometric constructions, three-view drawings, dimensioning, auxiliary, and section views. Computer Aided Drawing (CAD) will also be introduced. Limit: 14.

### **Graphics I** (10-12) (One semester)

Students will study orthographic projection utilizing AutoCAD (Computer Aided Drafting Software). Also covered will be auxiliary views and section views. Emphasis will be placed on dimensioning and working within tolerances. Limit: 14.

### **Graphics II** (11-12) (One semester) (Prerequisite: Graphics I)

Students will study advanced orthographic projection utilizing AutoCAD (Computer Aided Drafting Software). Also covered will be auxiliary views and introduction to three- dimensional solid constructions. Limit: 14.

### **Architectural Drawing and Design** (11-12) (One semester) (Prerequisite: Graphics I)

Students will study architecture design in all phases of residential construction. They will develop a set of plans and build a model of the exterior of a home. All drawings will be produced on a CAD system. Limit: 14.

## TECHNOLOGY

### Computer Aided Machining I (10-12) (One semester)

This class will provide an introduction to CAM manufacturing using manual Bridgeport machines and metal lathe as an introduction to coordinate machining. Students will also use MasterCAM software to design and apply toolpaths for a project. Safety glasses required. Limit: 8.

### Computer Aided Machining II, III, IV (10-12) (One semester) (Prerequisite: CAM I)

Emphasis will be placed on CNC machining and programming in advanced classes with some manual machining required. Projects will include individual design concepts and ideas. Safety glasses required. Limit: 8.

### Welding I (10-12) (First semester only)

Students will learn the basics of arc, wire, and oxy-acetylene welding. Cutting with a torch and brazing are also covered. When sufficient skills are shown through practice welds, simple projects are possible. Projects will be assigned. Safety glasses required. An \$18.00 material fee covers safety glasses, rods, electrodes, gasses, and blades and wheels. Limit: 12.

### Welding II (10-12) (One semester) (Prerequisite: Welding I)

Welding skills are developed and refined through the completion of a variety of welding projects. The class is devoted strictly to hands-on welding experience. Projects may be student initiated but will be assigned if the student does not have a project. All projects begun must be completed satisfactorily to insure a passing grade. The course can be repeated for credit. Safety glasses required. An \$18.00 material fee covers safety glasses, gasses, rods, blades and wheels, wire, electrodes, etc. Limit: 12.

### General Metals (10-12) (One semester) (Prerequisite: Tech. Drafting or instructor approval)

This will be a broad based metals class which will introduce the students to a variety of hot and cold metal processes. Included will be foundry, forging, turning, milling, grinding, threading, heat treatment, welding, sheet metal work, metallurgy, measuring, and metal finishing. Most projects will be assigned. Safety glasses required. A \$10.00 material fee covers safety glasses and material for the first three projects. Limit: 12.

## **ADDITIONAL ELECTIVES**

### **Driver Education** (9-12) **Summer Only** (1/2 credit)

Students must be at least 15 years old by the following September 1 to take the course in the summer. Class size is limited, and a fee will be charged for the class. All classroom and driving competencies must be met to pass the course.

### **Supervised Studies** (9-12) (One semester) (By referral only)

Students will be scheduled into Supervised Studies upon recommendation of the Student Improvement Team (SIT) and/or other instructors or administration. At the end of each semester, students will be evaluated to determine whether continuation in the class is appropriate.

Supervised Studies is a graded course designed for students who are having trouble with classwork and would benefit from study time, individual instruction, and development of study skills. The class provides assistance with study skills, homework, organizational skills, test-taking, note-taking, and other classroom skills. Students recommended for Supervised Studies generally have a 75% grade average, achievement test scores below the 25th percentile, or other factors that interfere with classroom learning. Students enrolled in Supervised Studies must show motivation to learn and use time appropriately. The class can be repeated for credit.

### **School to Career Mentorship** (11-12) (One semester) (Instructor approval required)

This course offers students a work-based educational experience that pairs a student with a business/industry mentor in their chosen career exploration area. The students will be required to provide their own transportation to the job site. This real world learning through workplace experience will provide the student with knowledge about their career pursuit. Prerequisites include three teacher recommendations and an application. The class can be repeated for credit.

### **On-the-Job Training** (12) (Full year) (May be taken 11-12) (Instructor approval required)

This course offers students a work-based educational experience that pairs a student with a business/industry. Students will be employed at quality training stations appropriate to the occupational objective of the approved program and the occupational objective of the student. Students will perform job-related tasks that are relevant to the particular business. OJT duties shall include work experience opportunities in skills that involve higher order thinking skills and advanced technology skills. The class can be repeated for credit.

### **Independent Study** (12) (One semester) (Instructor approval required)

Independent study is designed for seniors who have taken all the coursework available in a given subject and wish to do further study. It is the responsibility of the student to present a written proposal of the study stating why the student needs an independent study program, what will be studied during the semester, and how the work will be evaluated. A copy of this proposal will be kept with the teacher and the counselor. It is the teacher's decision to accept or not accept a student for independent study work. At the time of enrollment, the student must indicate a desire to have an independent study course and obtain approval from the teacher and the counselor.

## ADDITIONAL ELECTIVES

**Cowley College Industrial Technology Program** (11-12) (Full year) (By application only)  
(2 credits per semester)

Courses available:

### **Automotive Technology**

### **Welding and Fabricating Processes**

The purpose of attending one of the Cowley College Industrial Technology programs is to acquire a skill leading to employment. USD 264 may pay the tuition cost, pending available funds. Students will pay costs including textbooks, tools, and transportation to and from Cowley in Mulvane. Students who attend both the junior and senior years will earn a program certificate and will be ready to enter the workforce upon graduation. Students wishing to apply to attend one of these programs must meet the following criteria:

1. A good attendance record at Clearwater High School.
2. Minimum of 2.0 g.p.a.
3. Take Work Keys math and reading exams administered by Cowley at Clearwater High School in the spring prior to fall enrollment.
4. Be on target with graduation requirements. Students will take courses at Clearwater High School and also at Cowley. Students will also receive CHS credit for classes completed at Cowley.
5. Students enrolling in Welding must have completed two semesters of welding at Clearwater High School.
6. A parent must attend a mandatory informational meeting held at CHS in the spring.
7. Approximate costs:

Automotive Tech:	\$200 one time tool rental fee, \$100 uniform purchase, \$200 per year textbooks
Welding:	\$200 tool purchase, \$200 per year textbooks

**Teacher Assistant** (12) (One semester) (1/2 credit) (Teacher approval required)

Students wishing to be a teacher assistant must indicate on their enrollment form what grade level they prefer. Good attendance and a record of being dependable and reliable are prerequisites to being a teacher assistant.

Students will assist a classroom teacher in duties such as taking attendance, playground supervision (with sponsoring teacher), individual tutoring, bulletin board preparation, etc. Preference is given to students who are considering a career in education.

Students are assigned to teachers by teacher request, not by student request. If positions are not available for all the students requesting teacher assistant, students not requested by a teacher will be required to enroll in another course. If a student does not wish to work in the assigned position and perform the work identified by the teacher, the student will enroll in another course. The class can be repeated for credit. (Teacher Assistant does not count as one of the five courses of unit weight required to be taken by students planning to participate in any activity governed by the KSHSAA.)

**Technology Assistant** (12) (One semester) (1/2 credit)  
(Interview with technology staff required)

By contractual agreement between the student, technology staff, and administration, the student will make a commitment to perform specified duties for the technology staff as described in the interview. Responsibilities will include helpdesk/end user support and basic installation/maintenance of Information Technology related equipment. The class can be repeated for credit. (Technology Assistant does not count as one of the five courses of unit weight required to be taken by students planning to participate in any activity governed by the KSHSAA.)

## **ADDITIONAL ELECTIVES**

### **Office Assistant** (12) (One semester) (1/2 credit) (Office staff approval required)

Office assistants help the office staff with assigned clerical tasks such as answering the phone and perform other chores as needed. Office assistants will have study time if their help is not needed by the office staff. (Office Assistant does not count as one of the five courses of unit weight required to be taken by students planning to participate in any activity governed by the KSHSAA.)

### **Early Release** (12) (Second semester only)

Seniors who do early release will attend CHS only for the courses they want to take and for courses they need to take to fulfill graduation requirements and/or Qualified Admissions requirements and/or State of Kansas Scholarship Curriculum requirements. Students must not be short on graduation requirements and must pass required senior courses first semester. Those participating in any activity governed by the KSHSAA must be enrolled in five courses of unit weight (X-L Seminar, Teacher Assistant, and Office Assistant will not meet this requirement). Students cannot be guaranteed that desired courses will be scheduled in consecutive blocks or on a single day. Parental permission is required for early release, and a contract will be signed between the principal, parent, and student before early release time will be approved. Students will not be in the high school building during their Early Release blocks.

### **College Release Program** (12) (First semester only) (Administrative approval required)

The College Release Program is a provision made to enable Clearwater High School seniors to attend classes at a post-secondary educational institution during first semester of the senior year (other than the Newman University courses offered for dual credit at CHS). Students wishing to take college courses not available at CHS second semester would enroll in Early Release. The grade and credit from second semester courses taken during Early Release time would not be included on the high school transcript.

To be eligible for College Release:

- \* A student must have a minimum 3.5 g.p.a. through six semesters.
- \* A student must complete all required courses through the end of the sixth semester. The student must be enrolled in a full schedule of courses during the semester, except for the time required to take the approved college course(s).
- \* There must be a conference with the student, counselor, and an administrator before approval can be given. Parent/guardian approval must be given in writing.
- \* Courses will be taken for dual credit, and grades for college courses will be included on the high school transcript and in the grade point average.
- \* Only courses not available at Clearwater High School can be taken through College Release.
- \* The student's family is responsible for any costs incurred for college enrollment and transportation.