

Fort Lupton High School 2011-2012 Student Planning Guide



Open Computer Labs and Counselor Support
January 6th - FLHS 5:30 – 7:30 PC Lab
January 13th - FLHS 5:30 – 7:30 PC Lab



**Request window will open on Dec. 8th and
close on January 19th at 4:00 p.m.**

Welcome to your student course planning guide for the 2011-2012 school year. This publication is designed to guide you in your course selection within your four year educational plan and the upcoming school year. Please keep in mind your graduation requirements for your date of graduation as things differ from year to year. It is essential that you communicate with your counselor and your family when you are making your course requests as schedules will be finalized based on your choices and final schedules determined prior to the end of the school year. No changes to schedules will be made at the beginning of the school year without extenuating circumstances.

Steps to select your courses:

1. Have your Infinite Campus login and password
2. Review your graduation requirements
3. Review your transcript to determine what classes you need to retake, have completed and have left to take. Use the form included to check off your classes.
4. Review the courses offered next year and select your class requests based on grade level and interest.
5. Ensure that you have selected the appropriate number of classes each semester. Open periods are not allowed and if choices are not made, courses will be assigned based on openings. Also consider which classes you have failed or Plato classes (Class 1).
6. Fill in the Course request table with appropriate information
7. Request your classes through the online process in Infinite Campus during the open course selection window. **Login to IC. Click on Registration. Insert the course numbers of your requests. Please note: your selections may be changed based on CSAP scores and non completion of currently schedules classes.**

Select your classes carefully!

Infinite Campus Course Selection Window

Open from

December 8th to January 19th

Did you know if you score Proficient or Advanced on CSAP, you can earn elective credits towards graduation?

.25 elective credits per Proficient or Advanced score per test per year

Graduation Requirements Class 2011 – 2014 1 class/semester = .5 credits		Recommended for college
English	4.0 credits	4.0 credits
Math	3.0 credits	4.0 credits
Science	3.0 credits	3.0 credits
Social Studies	3.0 credits	3.0 credits
Physical Education + Health	1.5 credits	
Fine/Practical Arts	2.0 credits	2.0 credits
Total of Essential Credits	16.5 credits	
Elective credits	6.5 credits	
Total Credits	22 credits	
Additional requirements:		
20 hours of service learning	.5 credits	
Demonstrated Technical Proficiency	.5 credits	
Total Credits for Graduation	23 credits	

STUDENT COURSE INFORMATION

Semester Tests: All students will take a culminating assessment at the end of each semester.

Student Fees/Dues: Some classes have a minimal fee charge for instructional materials. These fees are approved by the Board of Education, and are subject to change by the Board. Students who experience a financial hardship as a result of fee charges may be eligible for an individual payment plan or waiver. Contact the main office for more information. Student fees will be paid on during registration and are \$15.00.

Advanced Placement (AP) / Honors Classes: Advanced Placement / Honors classes at FLHS are very rigorous, academically challenging classes available to motivated students. Ninth graders who desire to earn honors course credit must contract with their Freshman Academy Instructors. Tenth, eleventh, and twelfth graders who desire to enroll in honors classes need instructor permission. Students who choose not to enroll for the second semester of an AP course will NOT be eligible to receive college-level credit and they will be graded on the usual 4-point scale rather than weighted 5-point scale for students completing a full year of an A.P course. Also, students who do not take the culminating AP test in their scheduled course will not be eligible for a weighted grade. For more information contact the counseling office (303 857-7172).

Grade Change Request: Students may appeal to have a course grade reexamined for error in calculation. If it is established that there are no errors, the student has no further appeal available. If an error is found, the student's grade would be corrected. The appeal process should start with the teacher/counselor and then be referred to the principal.

Transcript Endorsement: Students at Ft. Lupton H.S. will receive one of three possible endorsements on their transcript beginning with the Class of 2010.

Collegiate Endorsement Pathway**

This pathway provides the highly motivated student opportunities for challenging coursework and additional recognition for their hard work. The student will:

- Complete 23 required credits for graduation* AND
- Maintain a 3.5 GPA or higher, AND
- Demonstrate a "proficient or advanced" level on 9th and 10th grade CSAP in all tested areas, OR
 - Demonstrate "proficient or advanced" on NWEA Map Test OR
 - Demonstrate a score of 22*** or above on ACT, OR
 - Complete an alternative proficiency assessment (APA) during the junior or senior year
- ** A student must meet all requirements for "Professional endorsement" by end 1st semester of senior year to be recognized in the graduation program.
- ***An alternative proficiency assessment or (APA) to be pre-approved by the principal no later than the end of the 1st semester of the senior year in writing. Example: SAT

General Endorsement Pathway:

This pathway is the standard pathway to graduation. The student will:

- Complete 23 required credits for graduation which include the 16 credits of essential credits.
- Credits earned must fall into the below categories:
- Essential Course Credits 16 credits
- Electives 6.0 credits
- Total Credits 22 credits + 20 hours of service learning (.5 credit) + demonstrated technical proficiency (.5 credit) = 23 credits

Individualized Endorsement Pathway:

This pathway allows for adaptation and can be utilized for students needing an individualized program of study as outlined by an individualized graduation plan. The student will complete 23 credits aligned with the standards or the equivalent or completion of the Fort Lupton Alternative Diploma Program (FLAD) requirements. The 23 credits could include alternative proficiency assessment or extensions of the individualized pathway that allow the student to earn the equivalent of 23 standards-based credits.

- The student will complete 23 required standards-based credits or complete the Fort Lupton Alternative Diploma Program requirements* AND
- The student will participate in prescribed interventions in their targeted area(s) of deficiency AND
- The student will demonstrate progress toward team determined goals/objectives that may include independent living, prevocational, and functional academics. Credits earned must fall into the below categories:
 - Essential Course Credits or approved alternatives 16.0 credits
 - Electives 6.0 credits
 - Total Credits 22 credits + 20 hours of service learning (.5 credit) + demonstrated technical proficiency (.5 credit) = 23 credits

□ Or: completion of the Fort Lupton Alternative Diploma Program course work
Technology Proficiency is defined as a demonstrated proficient use of:
Successful completion of the 8th grade technology proficiency assessment or successful completion of one of the following courses or course equivalent:

.5 credits Graphic Arts; .5 credits Engineering Graphics.

.5 credits Computer Applications; 1.0 credits Yearbook.

.5 credits TV production; .5 credits MS Word.

1.0 credits Marketing 1 or 2; .5 credits Technology Fundamentals

Individual students may find themselves in danger of receiving a lower transcript endorsement than they had anticipated. These students may appeal by issuing a request for an examination or demonstration of additional evidence to support their claim. This appeal is limited to one course or content area.

Graduation Appeals: The student is responsible for gathering evidence, which may include CSAP and/or other valid test score information. The student, accompanied by a parent or guardian, presents the evidence to the Graduation Appeals Committee (GAC). The GAC is composed of one administrator, one counselor, two teachers and one accountability committee member (a parent). The GAC will listen to the presentation by the student and his/her parent or guardian. The GAC will make the final decision to keep the student at his or her current transcript endorsement level or allow movement within the endorsement system. The final decision will be reviewed by the Principal. Appeals must be received by the principal and scheduled no less than three days prior to graduation.

Course Criteria:

Each high school course has a syllabus that links to the Colorado Standards & Benchmarks.

Each high school course has a curriculum map that lists the content, Standards & Benchmarks.

Each high school course has a defined assessment system that links to the Standards & Benchmarks and includes an assessment rubric.

Each high school course assigns a letter grade that indicates the level of performance in the class content on the Colorado Standards & Benchmarks. The grade reflects the awarding of a Carnegie Unit of credit. Carnegie Units / credits are a required component of graduation.

Service Learning: Service Learning refers to voluntary work or observation done by individuals or groups for the community. This work is done on a VOLUNTEER basis with NO financial gain. The purpose of this graduation component is to show that there is a greater community outside of the school building in which each individual student is a contributing member. A total of 20 hours of service learning is required over the course of four years. A signature card with valid signatures of supervising adults, along with contact information, MUST be submitted PRIOR to graduation and no later than May 1st of the graduating year.

Suggestions: Students can do a variety of projects in order to meet this graduation requirement.

-Work done for the school may count for this requirement if it is part of a Ft. Lupton Pride Day or done outside of regular school hours.

-Work done for a social/service club or athletic event may count toward this requirement.

-Other projects can be pre-approved.

CLASS I—Credit Recovery (PLATO Program): Students who fail a required class may have the opportunity to fulfill that requirement by taking an equivalent class through the Credit Recovery part of the CLASS program. Sometimes students are required to retake the class but that is determined on a space available basis.

Higher Education Admission Requirements (HEAR):

Fifteen academic units/credits are required according to the distribution below. Students must receive a passing grade in each course to fulfill the requirement.

4 Credits of English: Acceptable courses include at least two units that emphasize writing or composition skills as well as literature, speech, and debate. Also acceptable are honors, and/or advanced placement courses. Examples of unacceptable courses are business English, ESL English, school publications, yearbook, and journalism (newspaper).

4 Credits of Mathematics: Acceptable courses include algebra I, intermediate algebra, geometry, algebra II, pre-calculus, or trigonometry, or comparable coursework. A computer science course with a prerequisite of at least algebra I is permissible as fulfilling a mathematics requirement. Also acceptable are honors, and/or advanced placement courses. It is recommended that prospective students take a mathematics course in twelfth grade.

3 Credits of Natural Science: Acceptable courses include biology, chemistry, physics, earth science or comparable coursework. Also acceptable are honors, and/or advanced placement courses. Examples of unacceptable courses are general science, outdoor education, environmental studies, and physical science. To meet the Higher Education Admission Requirements (HEAR), the student must complete at least two courses with laboratory work. A course with laboratory work shall not be limited to textbook or lecture instruction, but shall include a variety of hands-on/minds-on activities including experiments and investigations, whether occurring in a classroom laboratory, a simulated online environment, or the field. Emphasis should be placed on inquiry skills that nurture and support high-level thinking, such as developing scientific questions, writing hypotheses, designing and/or refining experimental procedures, collecting/or analyzing data, and drawing conclusions. **3 Credits of Social Science:** Acceptable courses include U.S. history, world civilization, state and/or international history, civics, principles of democracy, geography, economics, psychology, sociology, and comparable

coursework. Also acceptable are honors, and/or advanced placement courses. Examples of unacceptable courses are family living, marriage and family, and consumer education. To meet the Higher Education Admission Requirements (HEAR), the student must complete at least one course in U.S. history and/or world civilization.

2 Credits of Academic Electives: Acceptable courses may come from any academic area listed above or foreign languages, computer science, art, music, journalism, or drama. Also acceptable are honors and/or advanced placement courses.

1 Credit of Foreign Language recommended: Options include Spanish courses.

3 Credits of Social Studies: Acceptable courses may come from social studies electives including psychology, sociology, honors and AP courses.

TOTAL: 20 Units

Freshman Academy-Incoming 9th Graders: ALL freshmen at Ft. Lupton High School will be in Freshmen Academy. The purpose of Freshmen Academy is to provide new freshmen the necessary support to begin to acquire the knowledge and skills to be successful in the 21st century and assist with the transition into high school by providing additional support. There are two Freshmen Academy teams. Both teams are organized by two equal groups of students who are enrolled in the same groups of classes.

(AM Academy)

Language Arts 9
Geography/Civics 9
Biology I / Earth Science
Leadership/ELO

(PM Academy)L

Language Arts 9
Geography/Civics 9
Biology I / Earth Science
Leadership/ELO

Freshmen will have the opportunity to earn credits in the classes indicated above. Students interested in **Honors Course Work** will work with their academy teachers directly. Freshmen will also be expected to be enrolled in the following classes (in addition to those mentioned above):

Math: options—Standards Math, Algebra, Geometry, Algebra 2 (depends upon teacher recommendation, grade point average, CSAP scores, and NWEA testing results)

Physical Education and Health or Fine/Practical Arts Elective: some students may schedule other classes (e.g. AVID, or Math Lab), and they may delay taking Introduction to P.E. and Health until their sophomore year. Foreign language is recommended for students who are intending on attending college.

Each team will meet for three consecutive periods that will support greater flexibility for teachers to meet individual student needs. Freshmen Academy students will not only work on the knowledge and skills found in the Academy classes, but will also participate in a variety of projects that support improvement in critical thinking, problem solving, communicating and collaborating with others.

**Focus on your
Future!**

Have a Plan!



PERSONAL EDUCATION PLAN—worksheet

Name: _____

Career / Employment Areas I am interested in: _____

Desired Level of Education: High School Diploma _____ 2-Year Degree _____ 4-Year Degree _____ Graduate School _____

COURSE AREAS	9th Grade	10th Grade	11th Grade	12th grade
English 4 Credits Required to graduate	Freshman Academy Language Arts 9 Honors Lang. Arts 9 (through Academy)	Sophomore English Honors Sophomore English	Junior English Honors Jr. English	Senior English A.P. English
Science 3 Credits Required to graduate	Freshman Academy Biology I/Earth Science Honors (through Academy)	Physics/Chemistry Honors in both	Science elective	Science Elective
Social Studies 3 Credits Required to graduate	Freshmen Academy Civics/Geography Honors (through Academy)	World History Honors World History	U.S. History AP U.S. History	Social Studies Elective
Math 3 Credits Required to graduate	Standards Math Algebra Geometry Algebra 2	Algebra Geometry Algebra 2/Trig Pre-Calc/ Trig	Geometry Algebra 2/Trig Pre-Calc/ Trig A.P. Calculus A.P. Statistics	Math Elective
Physical Education 1 PE & .5 Credits Health Required To graduate	Intro to Team Sports Health	Intro to Indiv/Dual Activities	PE Elective	PE Elective
Electives	Elective Choice	Elective Choice	Elective Choice	Elective Choice

NCAA Requirements

As you begin to review your course options, it is essential that you consider your future educational opportunities. To be considered for Division 1 or Division 2 athletics, your selection of courses must meet the minimum requirements for entry into these institutions. Below you will find the credit requirements for Division 1 and Division 2 enrollment. Further information may be accessed at www.ncaa.org at your convenience. Your counselors will also be able to answer any questions you may have regarding the NCAA Clearinghouse requirements. There is also a minimum GPA requirement along with an ACT requirement for Division 1.

DIVISION 1

16 Core-Course Rule

16 Core Courses

- 4 years English
- 3 years of mathematics (Algebra 1 or higher)
- 2 years of natural/physical science (1 year of lab)
- 2 years of social science
- 4 years of additional courses (from any areas above or Multilanguage)

DIVISION 2

14 Core-Course Rule

14 Core Courses

- 3 years English
 - 3 years of mathematics (Algebra 1 or higher)
 - 2 years of natural/physical science (1 year of lab)
 - 2 years of social science
 - 3 years of additional courses (from any areas above or Multilanguage)
- **Changing to 16 Core Course Rule beginning August 1, 2013.

9th Grade Course Request Planning

To assist you with your course selection, use the tables below for your to assist in your requests. Please note that some classes are required at each grade level and will need to be entered into your requests. If this is your first year in high school, you must select from these courses. Highlighted classes are required in your schedule and have been automatically added to your requests.

9 th Grade Semester 1 Requested Classes	Course #	9 th Grade Semester 2 Requested Classes	Course #
1. Language Arts 9—Academy	L10	1. Language Arts 9-Academy	L11
2. Civics/Geography-Academy	T10	2. Civics/Geography– Academy	T11
3. Earth Science/Biology 1-Academy	S20	3. Earth Science/Biology 1—Academy	S10
4. Leadership/ELO	I60	4. Leadership/ELO	I61
5. Math (appropriate level)		5. Math (appropriate level)	
6. Choice of Required PE/Health Health, Intro PE A, Intro to PE B	G50, P10, P11	6. Choice of Required PE/Health Health, Intro PE A, Intro to PE B	G50, P10, P11
7. Choice of Elective		7. Choice of Elective	
8. Choice of Elective		8. Choice of Elective	

Choices for Math Courses (Students must register for both semesters.)
Standards Math 1A, Standards Math 1 B-M10, M11
Algebra 1A, Algebra 1B-M20, M21
For advanced placement, see course guide for appropriate course numbers. Teacher/Counselor approval required for advanced math placement.

Choices for 9th Grade Elective Courses See Guide for other options for students.

<u>Art</u>	Other
Drawing 1 A10	AVID 9 A/B E50/E51
Pottery 1 A13	
Painting 1 A20	
<u>Business</u>	
Intro to Business	B15
Business & Personal Finance	B12
<u>Music</u> (Jazz and Band should be selected together)	
Jazz Band	N40/N41
Band	N30/N31
FLHS Singers/Choir	N10/N11
Drumline	N50
<u>Technology</u>	
TV Prod 1 J40	Music Tech 1 J30
Graphics 1	J20
<u>Academic Electives</u>	
Drama 1 L50	
Theatre Production	L51

*Student Council is an activity that you may request

Choices for Elective Multilanguage Courses (Students must register for both semesters.) A grade of a C or above is required to continue to semester 2.

Spanish 1A, Spanish 1B	F50, F51
Spanish 2A, Spanish 2B	F60, F61

For advanced placement, see course guide for appropriate course numbers. Teacher/Counselor approval required for advanced language placement. Placement test may be required to confirm skill level.

Students may NOT choose out of this category.

Intervention Courses (Students may be scheduled into intervention courses based on academic learning plans and/or CSAP/CELA testing scores by counselors, administration.)

English Language Learners

Success 1 A/B	I53/I54
Success 2 A/B	I55/I56
Success 3 A/B	I57/I58
English 1-2 A/B	I30/I31

Language Arts Intervention

Forward Reading	I20
Literacy Lab 1	I21/I22
Literacy Lab 2	I25/I26
Functional Literacy	I23/I24

Math Intervention

Math Lab	I30
Functional Math	I31

Other Interventions

Career and Academic Lab	I60/I61
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11th Grade Course Request Planning

To assist you with your course selection, use the tables below for your to assist in your requests. Please note that some classes are required at each grade level and will need to be entered into your requests. If you are in your second year of high school, you must select courses from this page

11 th Grade Semester 1 Requested Classes	Course #	11 th Grade Semester 2 Requested Classes	Course #
1. Junior Language Arts A or Honors Junior Language Arts A	L30 L32	1. Junior Language Arts B or Honors Junior Language Arts B	L31 L33
2. US History A or AP US History A	T20 T80	2. US History B or AP US History B	T21 T81
3. Science (lab) Elective		3. Science (lab) Elective	
4. Math Elective /Elective		4. Math Elective/Elective -	
5. Social Studies Elective / Elective		5. Social Studies Elective / Elective	
6. Choice of Elective		6. Choice of Elective	
7. Choice of Elective		7. Choice of Elective	
8. Choice of Elective		8. Choice of Elective	

<p>Choices for Math Elective Courses (Students must register for both semesters.) Students must successfully complete two years of math at a minimum of Algebra 1 or higher.</p> <p>Int Geometry A, Int Geometry B M30, M31 Adv Algebra A, Adv Algebra B M40, M41 For advanced placement and other math electives, see course guide for appropriate course numbers. Teacher/Counselor approval required for advanced math placement.</p>	<p>Choices for other Electives - See course descriptions or listing for course numbers.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> Art Business/Marketing Construction Family Consumer Science General Electives Technology Math </td> <td style="width: 50%; vertical-align: top;"> Music Physical Education Science Social Studies Process Technology Language Arts </td> </tr> </table>	Art Business/Marketing Construction Family Consumer Science General Electives Technology Math	Music Physical Education Science Social Studies Process Technology Language Arts
Art Business/Marketing Construction Family Consumer Science General Electives Technology Math	Music Physical Education Science Social Studies Process Technology Language Arts		

Choices for Science Lab Courses - see course listings.
Minimum of these courses required for graduation.

Choices for Social Studies Electives - Minimum of 3.0 credits required for graduation with completion of Civics, US History, and World History and additional social studies elective

Intro to Psych A/B	T41/T42
Intro to Sociology	T40
AP Civics/Gov A/B	T88/T89
AP Psychology	T85/T86

Choices for Multilanguage Elective Courses (Students must register for both semesters.) A grade of a C or above is required to continue to semester 2. Minimum of 2 years of foreign language recommended for post secondary enrollment.

Spanish 3A, Spanish 3B	F70, F71
AP Spanish	F80, F81

For advanced placement, see course guide for appropriate course numbers.

Choices for Career Academy through Aims Community College and academic partners. All courses taught off campus and are multiple class periods. Transportation not provided. Semester or year long course options available. Requires application process and counselor approval for all courses. Students must be on graduation track to enroll. 6 Aims credits required.

Aims CC Certified Nursing Assistant (rotates semesters offered)	
Aims CC Construction Tech	Aims CC Medical Terminology (rotates semesters)

12th Grade Course Request Planning

To assist you with your course selection, use the tables to assist in your requests. Please note that some classes are required at each grade level and will need to be entered into your requests. **Please review your transcript and the graduation requirements to ensure appropriate that you have met the requirements for graduation. Highlighted courses are required courses and must be selected.**

12th Grade Semester 1 Requested Classes	Course #	12th Grade Semester 2 Requested Classes	Course #
1. Senior Language Arts A or AP Lit/Comp A	L40 L80	1. Senior Language Arts B or AP Lit/Comp B	L41 L81
2. Social Studies Elective/Elective AP Civics	T88	2. Social Studies Elective/Elective AP Civics	T89
3. Science Elective/ Elective		3. Science Elective / Elective	
4. Math Elective / Elective		4. Math Elective / Elective	
5. Choice of Elective		5. Choice of Elective	
6. Choice of Elective		6. Choice of Elective	
7. Choice of Elective		7. Choice of Elective	
8. Choice of Elective		8. Choice of Elective	

See Course Guide for Options for Electives.

For most universities, four years of science and math are required.

Choices for Career Academy through Aims Community College and academic partners. All courses taught off campus and are two class periods. Semester or year long course options available. Requires application process and counselor approval for all courses. Space is limited and students must maintain passing grades and attendance levels to continue in program. 6 Aims credits required.

Aims CC Construction Tech
 Aims CC Certified Nursing Assistant (meets health requirement)
 Aims CC Medical Terminology (meets health requirement)
 Medical classes rotate offerings depending on Aims schedules.

Remember to review your graduation requirements to ensure that you have all the classes that you need to graduate!!!!

Class 2012

Career Academy Courses

Earn College Credit While in High School

These FLHS courses in collaboration with Aims Community College are available to junior and senior students who are in good standing (2.0 g.p.a.) and have career interest in any of the following career and technical fields. Course enrollment approval required by administration and counseling. Additional enrollment and testing required for final application approval. These courses will fulfill the last periods of the school day and are held often off site at the Aims Community College locations. Transportation must be provided by the student. See additional requirements within each course.

Credit: .5 FLHS credit is awarded for every 3 Aims credits completed. Students are expected to enroll in 6 Aims credits per semester.

Students are expected to NOT be on campus when they are not in Aims classes without a meeting or a pass from a teacher.

C70/C71 Nurse Aide/Medical Terminology

1.0 FLHS credit per semester (meets .5 Health credit requirement)

- Certified Nurse Aide Health Care Skills/ Nurse Assistant Clinical Experience – also additional career class required for full credit. – **C70 –Fall**
- Orientation to Health Careers/HPR 140 – First Aid/CPR –**C71 - Spring**

Classes rotate depending on Aims Schedules. This program prepares the student to perform the fundamental skills of the nurse aide. Basic nursing skills, communication skills, restorative services, personal care skills, safety and emergency care issues are covered. It also includes knowledge and/or principles of asepsis, OSHA and HIPAA regulations. Ethical behaviors, cultural sensitivity and principles of mental health will be addressed, as well as patient/resident rights. The clinical experience allows the student to apply the knowledge learned in the classroom in a patient care setting. Students may be required to transport themselves to Ft. Lupton Aims Campus and to clinicals at the end of the semester.

Enrollment in a job skills course required to complete minimum number of hours for FLHS credit. Background check and drug test required. Students must be a minimum of 16 years old to enroll. No social security number required for enrollment or program completion, however a social security number is required for completion of the state licensing exam for C.N.A. A second semester in Orientation to Health

Careers compares various health careers, health ethics, and work trait attributes required in the health field. Students will be introduced to leadership skills through theory and participation in community awareness projects.

C15/C16 Construction Technology – onsite at FLHS

This Aims program is a two year training program. The student will receive in depth training in all aspects residential construction. The student will be involved directly with construction projects that meet requirements for student completion. The student can expect to receive instruction and work experience in the following areas: structural design, blueprint reading, building code compliance, layout work, mechanical systems, safety, cost estimating, foundations, framing interior and exterior, trim work, roofing, siding, and painting. Specialty trade work such as tile setting, cabinetry, landscaping, and warranty service is also covered. Approximately 20% of the time will be utilized for lecture instruction and 80% will be on the job experience. Courses will be taught at the Fort Lupton High School campus.

College Credit While in
High School?
Why Not???

Additional application and parent meetings required. Some enrollment may require reading assessment.

Art

The following visual arts courses meet and incorporate the following graphic District RE-8 content standards:

1. Students know and use a variety of visual art materials, techniques, processes, and vocabulary.
2. Students express an original idea in a creative way.
3. Students use visual art to communicate content and meaning.
4. Students know and apply higher level thinking skills by evaluating works of visual art.
5. Students relate the visual arts to history and culture as an expression of human experience.
6. Students understand and make connections between the visual arts, and other academic subjects, the workplace, and the world.

A10 DRAWING I

Grade: 9, 10, 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: None Fee: \$8.00

Students will investigate drawing as an art form, learn to draw and become familiar with the drawing and creative process by using and applying a variety of techniques, tools, subjects, and concepts. Homework sketchbook will be a mandatory requirement of this class.

A20 PAINTING I

Grade: 9, 10, 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: None Fee: \$8.00

Students will become familiar with painting as an art form through the investigation of color theory, color mixing, and applying various painting techniques, tools, materials and concepts.

A13 POTTERY I

Grade: 9, 10, 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: None Fee: \$8.00

Students will become familiar with pottery as an art form through the use of clay in the hand building of clay forms using a variety of modeled, pieced, pinched, coiled and slab construction techniques. Decorating, glazing and firing techniques will also be investigated.

A11 ADVANCED DRAWING

Grade: 10, 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: Drawing I/Instr Approval Fee: \$8.00

Students will continue their investigation of the drawing process by using tools, techniques, materials and concepts in more imaginative and creative advanced forms of drawing. Homework sketchbook will be a mandatory requirement of class.

A 30/A31 ADVANCED ART A/B

Grade: 10, 11, 12 Length: 2 sem. / .5 Credits each semester

Fee: \$8.00

Prerequisite: Passed three semesters (1 year) of art and Instructor Approval.

A course designed to allow for advanced work by students in

the field of art, using previously learned knowledge and skills. Homework sketchbook will be a mandatory requirement of this class.

A14 ADVANCED POTTERY

Grade: 10, 11, 12 Length: 1 sem. / .5 Credit Each

Prerequisite: Pottery 1/ Instructor approval -Fee: \$8.00

Students will continue their investigation of the pottery process by using tools, hand-building techniques, materials, and concepts in more imaginative and creative advanced forms with clay. There may also be access to learning to throw on a potter's wheel.

A80/A81 AP ART A/B

Grade: 12 Length: 2 sem. / .5 Credit Each

Prerequisite: Instructor approval Fee \$30.00

This course is designed for a student that wishes to attain a strong creative discipline. Students should have 1-2 years in art foundation classes, the capacity to work hard, and an interest and curiosity in developing a body of work (portfolio) which is driven by their desire to push their creativity. The portfolio is sent to the College Board at the beginning of May as part of the Advanced Placement course requirement. AP contract required.

A16 PHOTOGRAPHY I

Grade: 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: None Fee: \$20.00

Students will investigate photography as an art form, using a variety of techniques, subjects and concepts. Students will use black and white dark room materials, techniques and procedures. Access to a 35 mm SLR camera and weekend photo shooting will be mandatory requirements for this class.

A17 ADV PHOTOGRAPHY

Grade: 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: Photo 1/Inst Approval Fee: \$20.00

Students will continue to investigate photography as an art form, using a variety of techniques, subjects and concepts. Students will use black and white dark room materials, techniques and procedures. Access to a 35 mm SLR camera and weekend photo shooting will be mandatory requirements for this class.

AVID

E50/E51 AVID 9A/9B

Grade: 9, Length: 2 sem. / .5 Credit each

Prerequisite: None

Students will develop and implement effective study habits, engage and succeed in a rigorous course of study and participate in a rigorous college preparatory curriculum. The students will be equipped to enroll in a four-year university. Students will participate in tutorials, learn organizational skills, and develop reading, writing, technology and presentation skills using the AVID curriculum.

- Tutorial Objective: Students will learn effective study habits to succeed in rigorous classes.

- Presentation/Technology Objective: Students will develop skills to convey knowledge using various media.
- Organization Objective: Students will develop life organizational skills and organized note taking skills.
- Reading/Writing Objective: Students will develop and implement reading/writing skills through expository writing, short answer writing, books groups, vocabulary development and college level writing practice.

E52/E53 AVID 10A/10B

Grade: 10 Length: 2 sem. / .5 Credit each

Prerequisite: None

Students will develop and implement effective study habits, engage and succeed in a rigorous course of study and participate in a rigorous college preparatory curriculum. The students will be equipped to enroll in a four-year university. Students will participate in tutorials, learn organizational skills, and develop reading, writing, technology and presentation skills using the AVID curriculum.

- Tutorial Objective: Students will learn effective study habits to succeed in rigorous classes.
- Presentation/Technology Objective: Students will develop skills to convey knowledge using various media.
- Organization Objective: Students will develop life organizational skills and organized note taking skills.
- Reading/Writing Objective: Students will develop and implement reading/writing skills through expository writing, short answer writing, books groups, vocabulary development and college level writing practice.

E54/E55 AVID 11A/11B

Grade: 11 Length: 1 sem. / .5 Credit each

Prerequisite: None

Students will develop and implement effective study habits, engage and succeed in a rigorous course of study and participate in a rigorous college preparatory curriculum. The students will be equipped to enroll in a four-year university. Students will participate in tutorials, learn organizational skills, and develop reading, writing, technology and presentation skills using the AVID curriculum.

- Tutorial Objective: Students will learn effective study habits to succeed in rigorous classes.
- Presentation/Technology Objective: Students will develop skills to convey knowledge using various media.
- Organization Objective: Students will develop life organizational skills and organized note taking skills.
- Reading/Writing Objective: Students will develop and implement reading/writing skills through expository writing, short answer writing, books groups, vocabulary development and college level writing practice.

E56/E57 AVID 12A/12B

Grade: 12 Length: 2 sem. / .5 Credit each

Prerequisite: None

Students will develop and implement effective study habits, engage and succeed in a rigorous course of study and participate in a rigorous college preparatory curriculum. The students will be equipped to enroll in a four-year university. Students will participate in tutorials, learn organizational skills, and develop reading, writing, technology and presentation skills using the AVID curriculum.

- Tutorial Objective: Students will learn effective study habits to succeed in rigorous classes.
- Presentation/Technology Objective: Students will develop skills to convey knowledge using various media.
- Organization Objective: Students will develop life organizational skills and organized note taking skills.
- Reading/Writing Objective: Students will develop and implement reading/writing skills through expository writing, short answer writing, books groups, vocabulary development and college level writing practice.

Business and Marketing Education

B15 INRODUCTION TO BUSINESS

Grade: 9, 10, 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: None

This course is designed to acquaint the student with the private enterprise system and the basic functions of business within our society. Students will gain an understanding of the motivations of business and the dynamics of business in our changing world. Students will learn about different business structures and how business inter-acts with government and consumers. Basic macroeconomic concepts such as the laws of supply & demand will be covered.

B12 Business & Personal Finance

Grade: 9, 10, 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: None

This course is designed to acquaint the student with the financial planning and decision-making process that entrepreneurs and business managers utilize in the private enterprise system. The student will gain an understanding of how the world economy impacts business. The student will learn how to read and analyze financial reports and learn how to manage business finances. The student will gain skills for making sound financial decisions about payroll records, taxes, investments, and business profit and loss. Students will also use mathematics skills and apply them to activities such as maintaining a checking account and budgeting.

B50/B51 Marketing 1A/1B - Junior Marketing Education (DECA)

Grade: 11 Length: 2 sem. / .5 Credit per

Recommendation: Intro to Business or Business Finance

This course is designed for Juniors that are interested in

marketing. Marketing is the process of developing, promoting, pricing, selling, and distributing products to satisfy customers' needs and wants. Units covered include, but are not limited to: customer service, cashiering, sales, the free enterprise system, advertising, and promotion. Emphasis will be placed on developing basic retail math, customer service, and human relations skills for entry-level employment. Membership in DECA and participation in related activities is considered an integral part of this class. *In addition, students enrolled in this class will be eligible for enrolling in the School Store Lab for credit. See instructor for details.*

B52/B53 Marketing 2A/2B -Senior Marketing Education (DECA)

Grade: 12 Length: 2 sem. / .5 Credit per semester

Recommendation: Intro to Business or Business Finance, Junior Marketing Ed

This course is designed for Seniors who are interested in the study of Marketing Management. This course builds on the fundamentals of marketing and visits Marketing I and Introduction to Business topics from a management perspective. Additional topics to be covered include: human resource management, managing a retail operation, product planning, marketing research, pricing, and transportation and distribution of products. Students will learn through hands-on experience and operating our school based store. Membership in DECA and participation in related activities is considered an integral part of this class. *In addition, students enrolled in this class will be eligible for enrolling in the School Store for credit. See instructor for details*

B54/B56 Marketing Education Lab / School Store

Grade: 11,12 Length: 1-2 sem. / .5 Credit per Instructor approval required

Prerequisite: Students must be concurrently enrolled in Junior or Senior Marketing.

Maximum of 2 students per hour unless otherwise approved by the instructor. In this course students will learn to apply their marketing skills including retail math, customer service, merchandising, and display, inventory control, cash handling, and reporting, advertising and promotions in the "hands on" environment of the store. Work contract will be required

B55 Marketing Work Experience

Grade: 11,12 Length: 1-2 sem. / .5 Credit per Instructor approval required

Prerequisite: Students must be concurrently enrolled in Junior or Senior Marketing.

Students working a minimum of 12.5 hours per week for an approved business may participate in the Work Experience program. All students will be allowed to earn 4 hours per week with 4 or fewer classes may earn up to 1 credit per semester. All students must have the business they are working for approved prior to enrolling for this course. Failure of completing the corresponding class will result in a failure of work credit. Class offering dependent on other

course numbers. See instructor for details.

Construction Technology

C10 Introduction to Construction Technology

Grade: 9, 10, 11 Length: 1 sem. / .5 Credit

Prerequisite: None

This is an exploratory course designed to give the student a basic understanding and overview of Construction Technology.

C11/C12 Construction Tech 1A/1B

Grade: 10, 11, 12 Length: 2 sem. / .5 Credit per Double period class

Prerequisite: None

This class is a two-year training program. The student will receive in depth training in all aspects of single-family residential construction. The student will be involved directly with the actual construction of a single-family residence or construction projects that meet requirements for student completion. The student can expect to receive instruction and work experience in the following areas: structural design, blueprint reading, building code compliance, layout work, mechanical systems, safety, cost estimating, foundations, framing, interior and exterior trim work, roofing, siding and painting. Specialty trade work such as tile setting, cabinetry, landscaping, and warranty service is also covered. Approximately 20% of class time will be utilized for lecture instruction and 80% will be on-the-job experiences. The student can expect employment in the construction industry's many trades if they successfully continue in the Construction Technology Program.

Family & Consumer Science

H20 Principles of Catering

Grade: 9, 10, 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: None

This class will include learning skills in hospitality and cashiering; the preparation and service of soups/sandwiches, salads and salad dressings and other bakery deli items; safety and sanitation as well as the performance of other food catering/bakery deli skills needed for occupations in this area. Requires some after school events.

H21 Principles of Catering 2

Grade: 9,10, 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: Catering 1

This class will include learning skills in hospitality and cashiering; the preparation of items; safety and sanitation as well as the performance of other food catering/bakery deli skills needed for occupations in this area. Requires some after school events, service of soups/sandwiches, salads and salad dressings and other bakery deli .

H10 Life Management

Grade: 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: None

This course is designed to help the students understand themselves and others, in the areas of their career, finances,

wellness, and personal resources.

H11 Relationships

Grade: 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: None

This course includes explorations in the areas of adult lifestyles, interpersonal relationships, parenting, contemporary issues, communication among family members, and as individuals in society and the workplace.

Health

- Students comprehend health promotion and disease prevention concepts.
- Students demonstrate the ability to access valid health information, appropriate health products and services.
- Students demonstrate the ability to practice health-enhancing behaviors and reduce health risks.
- Students analyze the impact on health by other factors such as culture, media and technology.
- Students demonstrate the ability to use effective interpersonal communication skills, which enhance health.
- Students demonstrate the ability to use goal setting and decision making skills, which enhance health.
- Students demonstrate the ability to advocate for personal, family, and community health.

G50 Health

Grade: 9, 10, 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: None

This required course helps familiarize students with health related topics through discussion, research, participation, and application. Topics include: Nutrition, Body Image, Eating Disorders, First-Aid, CPR, Communication, Mental Health, Tobacco, Alcohol, Drugs, Violence, Abstinence, and (with parental approval) Sexuality, Contraception, and Sexually Transmitted Diseases (with abstinence stressed).

Intervention Classes

Intervention courses are designed to support students in academic areas, including credit recovery. Students may be registered for intervention courses based on state testing scores, individual learning and educational plans, or English language abilities. Students may NOT request most intervention courses. The majority of intervention courses will be added into a students' course requests based on assessment data by the counseling team. Students may NOT request any course other than Class 1.

I75/I76 CLASS 1-Credit Recovery

Grade: 9, 10, 11, 12 Length: varied.

No credit until recovery course completion.

Prerequisite: Counselor recommendation; student completes selection process.

Class one is intended for students needing to make up lost credit. Students work independently on a computer using certified software. They will gain credit through an on-line virtual school program. Students must commit to a minimum of two nights a week until they have completed their course

work or will be scheduled into day Class 1 program as schedule allows.

English Language Intervention Classes

I50/I51 ESL 1 and 2

Grade: 9, 10, 11, 12 Length: 1-2 sem .5 credit per

Prerequisite: Counselor recommendation

This elective course is designed to develop the academic vocabulary and study skills of the English Language Learner. All vocabulary is taught in context: for example, while learning science vocabulary the student will be doing science related activities which are theme based. In this way, the students develops both content and language, an accelerated method of acquisition. In addition to learning vocabulary and content, students will develop essential study skills. At the secondary level, it is essential for students to have these skills, even more so for ELL students. In this class, students will refine their management of time, paper and content materials.

I53/I54 Success 1

Grade: 9 Length: 1-2 sem .5 credit per semester

Prerequisite: Counselor recommendation

This elective course is designed to develop the academic vocabulary and study skills of the English Language Learner. All vocabulary is taught in context: for example, while learning science vocabulary the student will be doing science related activities which are theme based. In this way, the students develops both content and language, an accelerated method of acquisition. In addition to learning vocabulary and content, students will develop essential study skills. At the secondary level, it is essential for students to have these skills, even more so for ELL students. In this class, students will refine their management of time, paper and content materials.

I55/I56 Success 2

Grade: 10-12 Length: 1-2 sem .5 credit per semester

Prerequisite: Counselor recommendation

This elective course is designed to develop the academic vocabulary and study skills of the English Language Learner. All vocabulary is taught in context: for example, while learning science vocabulary the student will be doing science related activities which are theme based. In this way, the students develops both content and language, an accelerated method of acquisition. In addition to learning vocabulary and content, students will develop essential study skills. At the secondary level, it is essential for students to have these skills, even more so for ELL students. In this class, students will refine their management of time, paper and content materials.

Language Arts Intervention Classes

I20 Forward Reading

Grade: 9, 10 Length: 1-2 sem .5 credit per

Prerequisite: recommendation of intervention team

This course is designed for students who are reading below grade level and/or who have scored in the unsatisfactory level in the Colorado Student Profile (CSAP.) This course will consist of intensive reading, as well as work on developing competent comprehension skills.

I21/I22 Literacy Lab 1A/1B

Grade: 9, 10, 11, 12 Length: 1-2 sem .5 credit per

Prerequisite: recommendation of intervention team

This reading class uses comprehensive research based literacy curriculum to help students needing basic literacy skills of phonemic awareness, word recognition, spelling, vocabulary and to improve basic reading comprehensions skills.

Placement in this class falls within the unsatisfactory range in reading and comprehension as measured by a standardized progress monitoring tool. This is an elective class only.

I25/I26 Literacy Lab 2A/2B

Grade: 9, 10, 11, 12 Length: 1-2 sem .5 credit per semester

Prerequisite: recommendation of intervention team

This reading class uses comprehensive research based literacy curriculum to successfully lead emerging readers through higher level of reading comprehension, vocabulary, writing and speaking. Placement in this class falls within the unsatisfactory range in reading and comprehension as measured by a standardized progress monitoring tool. This is an elective class only

I23/I24 Functional Literacy Adult Life and Career A/B

Grade: 9, 10, 11, 12 Length: 1-2 sem .5 credit per

Prerequisite: recommendation of intervention team

This class will address all aspects of literacy including reading, writing, listen and speech through the emphasis of life activities and employment. This class will center on the individual needs of students specific to their school, home and community settings.

Math Intervention Classes

I30 Math Lab

Grade: 9, 10, 11, 12 Length: 1-2 sem .5 credit per

Prerequisite: recommendation of intervention team

This class uses the research based computerized program Accelerated Math to remediate math skills. It provides continual progress monitoring for individual students and may support students in their other math classes.

I31/I32 Functional Math Adult Life and Career A/B

Grade: 9, 10, 11, 12 Length: 1-2 sem .5 credit per

Prerequisite: recommendation of intervention team

This class will address the math skills associated with adult life such as money, time, cooking, leisure and job related activities. Students will learn budgeting, money safety, problem solving, decision making, measurement and time

management towards transition into their home, life and work experiences.

Other Intervention Classes

I40/I41 Functional Life Management A/B

Grade: 9, 10, 11, 12 Length: 1-2 sem .5 credit per

Prerequisite: recommendation of intervention team

This class will be used to build skills used in adult life at home and in the community. Students will learn to access their community using appropriate safety, communication, time management, spending, cooking and cleaning. Skills learned will support transition to home life and work experiences.

I42/I43 Transition Work A/B

Grade: 12 Length: 1-2 sem .5 credit per semester

Prerequisite: recommendation of intervention team

Students identified as needing a transition program after graduation will participate in a life management and career development program for a predetermined amount of time. Students will learn time management, money skills, self help skills and job readiness skills. Students will experience on the job training in a variety of settings leading to job readiness for meaningful entry employment as appropriate.

I45/I46 Career and Academic Lab 1A/1B

Grade: 9, 10, 11, 12 Length: 1-2 sem .5 credit per

Prerequisite: recommendation of intervention team

This class will explore skills needed to survive in today's world. Students will learn study skills such as test taking, time management, and self advocacy to help succeed in high school and the future. Students will learn life-long skills around money management and post high school career and interest development. The class will balance skill learning with individualized IEP support.

I60/I61 Leadership ELO A/B

Freshmen Academy required course

Grade: 9 Length: 2 sem/ .5 credit per semester

Prerequisite: requirement of freshmen academy

This course is designed to help transition students into high school by focusing on study skills, organization, technology, test taking and monitoring student progress for class completion. Students will also participate in PBS activities, teaming, and be exposed to basic financial awareness. Advanced students may be considered for alternative placement term 2.

Language Arts

Students must earn **4.0 credits of required Language Arts classes**. Please note, Language Arts electives do not meet the required LA requirements for graduation, however will count towards electives.

L10/L11 Freshmen Language Arts / Honors Freshmen Language Arts

Grade: 9 Length: 2 sem. / .5 Credit per semester

Prerequisite: None

This course meets the freshman required courses and is

standards-based. It is a survey of “coming of age” literature with a focus on reading, writing, listening, speaking and technology. Honors students will be challenged by an advanced curriculum in reading, writing, and literature skills .

L20/L21 Sophomore Language Arts

Grade: 10 Length: 2 sem. / .5 Credit per semester

Prerequisite: Freshmen Language Arts

This required course is an in depth survey of multicultural literature with a focus on reading, writing, listening, speaking and technology. The Standards and Benchmarks presented in this required class must be proficiently mastered as shown through minimal competence testing (vocabulary, reading and essay tests) before moving on to the second semester of Sophomore Lang Arts or Junior Language Arts.

L22/L23 Honors Sophomore Language Arts

Grade: 10 Length: 2 sem. / .5 Credit per semester

Prerequisite: Freshmen Language Arts

This course meets the sophomore required courses and is standards based. **Highly motivated** students will be challenged by an Advanced Placement curriculum in reading, writing, and literature skills.

L30/L31 Junior Language Arts

Grade: 11 Length: 2 sem. / .5 Credit per semester

Prerequisites: Freshman Language Arts and Sophomore Language Arts

This required course is an in-depth survey of American Literature with an emphasis on reading, writing, listening, speaking and technology

L32/L33 Honors Junior Language Arts

Grade: 11 Length: 2 sem. / .5 Credit per semester

Prerequisites: Freshman Language Arts and Sophomore Language Arts

This required course is an in-depth survey of American Literature with an emphasis on reading, writing, listening, speaking and technology. **Highly motivated** students will be challenged by a Pre-Advanced Placement curriculum in reading, writing, and literature skills.

L40/L41 Senior Language Arts

Grade: 12 Length: 2 sem. / .5 Credit per semester

Prerequisites: Freshman Language Arts, Sophomore Language Arts and Junior Language Arts

This required course is an in-depth survey of American Literature with an emphasis on reading, writing, listening, speaking and technology

Reminder: 4.0 Credits of LA are required for Graduation.

L80/L81 AP Lit Comp (meets 12th grade LA grad requirement)

Grade: 12 Length: 2 sem. / .5 Credit per semester

Prerequisites: Freshman Language Arts, Sophomore Language Arts and Junior Language Arts

This course is designed for the college bound student. Students should have a curiosity, capacity to work hard, imagination, and interest in reading. Students will read a variety of literature from a wide range of historical times and places and will complete a variety of writings designed to help them develop their writing “voice.” Students are expected to take the AP exam in May, which will include a fee. Students who are planning on obtaining college credit for this course will take the AP Exam in May. If a student chooses not to take this exam, the student will not be eligible for college-level credit and this course will be graded on the normal 4-point scale rather than the full AP weighted 5-point scale. Students who choose not to enroll for the second semester of this course will not be eligible to receive college-level credit for the course. Because these students will not be prepared to take the AP Exam in May or earn college-level credit, they will be graded on the normal 4-point scale rather than the weighted 5-point scale for full AP classes.

Language Arts Electives

L50 Drama 1

Grade: 9, 10, 11, 12 Length: 1 sem. / .5 Credit

Prerequisites: None

In this course most aspects of the theatre will be explored, including basic terminology, improvisation, pantomime, voice and diction, acting, stage make-up, play production and basic theories of stagecraft. Students will help produce the various plays presented throughout the school year. There will be an emphasis on hands on activities.

L51 Drama 2

Grade: 10, 11, 12 Length: 1 sem. / .5 Credit

Prerequisites: Drama 1

In this course, most aspects of the theatre will be explored, including basic terminology, improvisation, pantomime, voice and diction, acting, stage make-up, play production and basic theories of stagecraft. Students will help produce the various plays presented throughout the school year. There will be an emphasis on hands on activities.

L52 Theatre Production

Grade: 9, 10, 11, 12 Length: 1 sem. / .5 Credit

Prerequisites: None

In this course most aspects of the theatre will be explored, including basic terminology, improvisation, pantomime, voice and diction, acting, stage make-up, play production and basic theories of stagecraft. Students will help produce the various plays presented throughout the school year. There will be an emphasis on hands on activities.

Mathematics

Minimum of 1.0 Geometry or higher for graduation required.

Math placement may be changed based on counselor recommendation, courses taken in 8th grade and CSAP scores. Students may also be concurrently enrolled in an intervention class for additional math practice depending on CSAP proficiency.

M10/M11 Standards Math 1

Grade: 9, 10, 11, 12 Length: 2 sem. / .5 Credit per

Prerequisite: None

This course uses the college preparatory mathematics curriculum and is designed to meet the Colorado 9th grade state standards. Students will cover topics ranging from fractions to algebra and geometry. A major focus is to develop number sense, the ability to solve problems, and communicate well mathematically. Upon successful completion of this course students will receive one math credit and will be ready to enter Algebra 1.

M20/M21 Integrated Algebra 1

Grade: 9, 10, 11, 12 Length: 2 sem. / .5 Credit per

Prerequisite: Successful completion of Standards Math, Pre-Algebra, Connected Math Series or equivalent or recommendation from 8th grade instructor.

This course uses the College Preparatory Mathematics curriculum and covers basic algebraic, geometric, and discrete math concepts with a focus on solving problems using multiple representations. Upon successful completion of this course students will receive one math credit and will be ready to enter Geometry.

M30/M31 Integrated Geometry 1

Grade: 9-12 Length: 2 sem. / .5 Credit per semester

Prerequisite: Successful completion of Integrated Algebra 1 or math instructor's recommendation.

This course uses the College Preparatory Mathematics curriculum and covers more advanced algebraic, geometric, and discrete math concepts with a focus on solving problems geometrically. Upon successful completion of this course students will receive one math credit and will be ready to enter Algebra 2.

M40/M41 Advanced Algebra

Grade: 9-12 Length: 2 sem. / .5 Credit per semester

Prerequisite: Successful completion of Integrated Geometry, or math instructor's recommendation.

This course uses the College Preparatory Mathematics curriculum and aims to apply and extend what students have learned in previous math courses. The course focuses on multiple representations of function and relations and on finding connections among the ideas they are studying. Upon successful completion of this course students will receive one math credit. This course is a minimum requirement to enter most 4 year colleges.

M50/M51 Trigonometry A –Fall B - Spring

Grade: 10, 11, 12 Length: 1 sem. / .5 Credit

Prerequisites: Minimum of a C in both semesters of Integrated Geometry. May be taken concurrently with the 2nd semester of Advanced Algebra or 1st semester of Pre-Calculus. Students will study the six trigonometric ratios, trigonometric identities, radian and degree measure, trigonometric functions, the law of sines and the law of cosines, and right triangle applications. Students will also study polar coordinates and equations, vectors, and their applications.

M60/M61 Pre-Calculus

Grade: 10, 11, 12 Length: 2 sem. / .5 Credit per semester

Prerequisites: Successful completion of Advanced Algebra or instructor recommendation.

Students will study graphing, linear equations and in equalities, modeling functions and transformations, polynomial and rational functions, matrices, analytic geometry, and conic sections. Students will also study trigonometry topics including measurement of angles, applications of right triangles, trig functions, transformations, inverses, vectors, and trig equations. This course is dual credited for FLHS credit and college credit through the University of Colorado at Colorado Springs (UCCS) CU Succeed program. Students have an option to sign up for 4 credit hours of college credit at a reduced rate and receive college credit for their course work while taking the course at FLHS. Students taking this course for college credit will be considered in an honors course and will receive a grade weighted on a 5.0 scale. Further details are available through the FLHS Math department or the FLHS counseling department. Upon successful completion of this course students will receive one math credit from FLHS and have the option for 4 semester credits from UCCS.

M80/M81 AP Statistics

Grade: 11, 12 Length: 2 sem. / .5 Credit per semester

Prerequisite: A grade of "C" or above in Advance Algebra or successful completion of a post-advance algebra course. Instructor approval/recommendation needed.

The one-year AP course in statistics will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will study data exploration, planning a study, anticipating patterns and model building, probability theory and simulation, and statistical inference. Students who successfully complete the course will receive one math credit and may be eligible for advanced placement or credit for a one-semester, college level statistics course. Students are expected to take the AP exam in May, which will include a fee, in order to obtain college credit for this course. This course is dual credited for FLHS credit and college credit through the University of Colorado at Colorado Springs (UCCS) CU Succeed program. Students have an option to sign up for 3 credit hours of college credit at a reduced rate and receive college credit for their course work while taking the course at FLHS. Students taking this course for college credit will be considered in an honors course and will receive a grade weighted on a 5.0 scale. Further details are available through the FLHS Math department or the FLHS

counseling department. Upon successful completion of this course students will receive one math credit from FLHS and have the option for 3 semester credits from UCCS.

M82/M83 AP Calculus

Grade: 11, 12 Length: 2 sem. / .5 Credit per semester

Prerequisite: Pre-CALCULUS with a grade of “C” or above or math instructor’s recommendation.

Students will use graphic, analytic, numeric, and verbal representations to study limits, derivatives of algebraic and trigonometric functions, applications of the derivative, and integration and application of the definite integral. Students will study the integral as a limit of Riemann Sums and give a geometric interpretation of differential equations by using slope fields and solution curves. This course is dual credited for FLHS credit and college credit through the University of Colorado at Colorado Springs (UCCS) CU Succeed program. Students have an option to sign up for 4 credit hours of college credit at a reduced rate and receive college credit for their course work while taking the course at FLHS. Students taking this course for college credit will be considered in an honors course and will receive a grade weighted on a 5.0 scale.

Further details are available through the FLHS Math department or the FLHS counseling department. Upon successful completion of this course students will receive one math credit from FLHS and have the option for 4 semester credits from UCCS

Multi-Language

Courses in the Multi-Language Department serve all students who are either learning a second language or wishing to enhance their skills in their first language. Students entering into any level beyond first year, must have a “C” average or better from the previous course. Students who are planning to attend a two or four-year college are strongly advised to call the college admissions office to see what requirements are necessary for foreign language.

The following multi-language courses meet and incorporate the following District Re-8 content standards:

- Students will apply communication skills in the areas of observing, listening, speaking, reading and writing.
- Students will effectively create products for a variety of purposes and audience.
- Students will acquire and use knowledge of the target culture while developing target language skills.
- Students will demonstrate the ability to locate, use and organize resources to solve problems.

F50/F51 Spanish 1

Grade: 9, 10, 11, 12 Length: 2 sem. / .5 Credit per

Prerequisite: None

This is a two-semester sequential course, designed to introduce Spanish to the beginning student. Course work will emphasize the basics of listening, speaking, reading, and writing skills in Spanish in the simple present, past and future. Learning about the culture of the Spanish-speaking world will also be a focused part of the instruction.

F60/F61 Spanish 2

Grade: 9, 10, 11, 12 Length: 2 sem. / .5 Credit per

Prerequisite: Minimum of a C in Spanish 1 or instructor permission based on placement assessment.

This is a two-semester sequential course to further Spanish listening, speaking, reading, and writing skills. This course will build upon the skills learned in Spanish I and will increase knowledge of the culture of Spanish-speaking countries and vocabulary as well as conversational, reading, and writing skills. New grammar concepts will be learned.

F70/F71 Spanish 3

Grade: 9, 10, 11, 12 Length: 2 sem. / .5 Credit per

Prerequisite: Minimum of a C in Spanish 2 or instructor permission based on placement assessment.

This is a two-semester sequential course designed to further advance the learner in the study and application of Spanish. Instruction will include more advanced vocabulary and grammar. Communicative skills will be taught increasingly in Spanish. Spanish literature and career research will also be introduced

F80/F81 AP Spanish Lit/Comp

Grade: 11, 12 Length: 2 sem. / .5 Credit per

Prerequisite: Spanish III and Instructor Approval.

Advanced Placement Spanish Language is intended for those who have chosen to develop their proficiency in all four language skills: listening, speaking, reading, and writing. Students who enroll should already have a basic knowledge of the language and culture of the Spanish-speaking people and should have attained a reasonable proficiency in listening comprehension, speaking, reading and writing. Students will read selected works from the literatures of Spain and Latin America, encompass listening/speaking skills, reading comprehension and advanced grammar. Students who are planning on obtaining college credit will take the AP Exam in May.

Music

N30/N31 Band A/B

Grade: 9, 10, 11, 12 Length: 2 sem. / .5 Credit per
Fee: \$20 for uniform cleaning

Prerequisite: Previous band experience required or instructor permission.

This course consists of two sections: Marching Band - including performing at all home football games, one or two band days, the homecoming parade, several area parades, and pep assemblies; Concert Band - a minimum of two evening concerts, several pep band performances, solo and group music competitions, and graduation exercises. Students will be required to attend all performances unless excused by the instructor. Concurrent enrollment in Jazz Band required. Students participating in All-State and Solo-Ensemble must pay the required entrance fees for these events. Participation in these events is not mandatory. Marching band students who cannot be fitted in uniform shoes due to extra large or extra small size requirements must purchase their own marching shoes through the music department for \$30. The music department maintains 50 pairs of regular sizes to ensure this

issue is a rare occurrence. Use of marching uniform is free. Students are responsible for the repair or replacement of the uniform due to damage or loss. Required Fee: \$20 per year to cover uniform dry cleaning cost.

N40/N41 Jazz Band A/B

Grade: 9, 10, 11, 12 Length: 2 sem. / .5 Credit per

Prerequisite: Audition and instructor approval. Should be enrolled in the band program at the same time if possible and read music. Must play a jazz instrument.

Students will study and play different styles of jazz music, which will include swing, be-bop, Dixie, funk, rock and modern styles. The students will be asked to play solos and improvise at different times throughout the year. There may also be clinics and competitions throughout the year for jazz band students. A jazz band usually includes drums, guitar, bass guitar, vibraphone, piano, saxophones, trumpets, and trombones. Space is limited for drums, guitar, and piano. Students participating in All-State Jazz Band must pay the entrance fee and recording/postage fees for auditions and participation. Participation in All-State is not mandatory. Guitar players must provide their own amplifiers and patch cords to participate. Fee: \$5.00 per year to cover cost of folder and music.

N20/N21 Choir A/B

Grade: 9, 10, 11, 12 Length: 2 sem. / .5 Credit per

Prerequisite: None

This course is designed for students who are interested in choral singing. The choir will sing music from a variety of styles and time periods. Emphasis will be placed on learning proper vocal production techniques, including breathing, posture, rhythmic accuracy, and intonation. This choir will perform at concerts and special events, and may attend festivals and competitions. Students enrolling in this class will be required to participate in all scheduled performances. Additional opportunities include performing for the CHSAA Solo & Ensemble Festival, and auditioning for All-State Choir. Students wishing to participate in All-State and Solo-Ensemble must pay the corresponding entrance fee. Choir students are strongly encouraged to audition for the annual school musical. Fee: \$5.00 per year to cover cost of folder and music.

N50 Drumline (Returning students welcome)

Grade: 9, 10, 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: None Fee: \$6.00

Drumline is a performing percussion ensemble. A \$6.00 fee is required for sticks/drum maintenance. Music performed is usually original compositions written by the instructor with student input. Students will learn to read percussion music, play the drum, have opportunities to compose percussion music as well as opportunities to choreograph sticking tricks, and stickings in general. Students will perform in a minimum of two concerts per year and participate in competition/exhibition performances. Students wishing to repeat a drumline class may do so with the written consent of the teacher. Repeating students are required to pay the \$6.00 fee each semester. Students who break their drumsticks must purchase another pair either on their own or from the music

teacher for \$6.00. Students may purchase more than 1 pair of sticks at a time. All concerts are mandatory.

Physical Education

Physical Education takes place through movement. It creates the opportunity for individuals to learn and understand the physical and academic applications for a healthy lifestyle.

With this premise in mind, the following content standards will be implemented and accessed within the classes as stated in the following course standards:

- Students assess, achieve, and maintain physical fitness.
- Students attain the necessary skills to perform a variety of physical activities.
- Students participate regularly in physical activity.
- Students demonstrate knowledge of the implications and the benefits from involvement in physical activity.

P10 Introduction to Team Sports

Grade: 9, 10, 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: None

This required course is an introduction to team sports: including softball, volleyball, flag football, basketball and speedball; weight training & conditioning. This course also includes flexibility, strength and aerobic-conditioning components.

P11 Introduction to Individual and Dual Activities

Grade: 9, 10, 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: None

This required course is an introduction to fundamental movement, dance, and individual/dual sports. This course also includes flexibility, strength and aerobic-conditioning components.

P20 Intermediate Physical Education

Grade: 10, 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: P10/P11

Students will be instructed in a variety of skills, techniques, rules and strategies in individual and team sports. This course also includes stretching, strength and aerobic conditioning components.

P21 Lifetime Sports

Grade: 10, 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: P10/P11

This course will be a combination of activities selected from the following: archery, badminton, bowling, croquet, disc games and tennis. This course also includes flexibility, strength and aerobic-conditioning components.

P30 Weight Training

Grade: 10, 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: P10/P11

This course is designed to strengthen muscles and increase muscular endurance. This course may be taken for credit a maximum of four semesters. This course also includes flexibility, strength and aerobic-conditioning components.

P31 Advanced Weight Training

Grade: 10, 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: P10/P11, Weight Training

This course is designed to strengthen muscles and increase muscular endurance. This course may be taken for credit a maximum of four semesters. This course also includes flexibility, strength and aerobic-conditioning components.

Process Technology

Process Tech is a career and technical program that focuses on the application of science in the technical fields. Students will participate in a number of technical modules which will lead to application of science and math knowledge. Students may take either of the one semester courses. Both courses lead to careers in the field of process technology

C60 Process Tech –Energy/Water (science elective)

Grade: 10,11,12 Length: 1 sem. / .5 Credit

Prerequisite: None

This class is a hand's on and group oriented class focusing on both the "soft skills" as well as the skills of math, science and writing. Through required readings, worksheets, labs and assessments, students are expected to demonstrate the knowledge and skills required in chemistry, biology and physics while gaining a better understanding of the jobs and responsibilities of a process technician. This course work consists of three to four modules. Some modules provided from the American Chemical Society's Science in A Technical World series. The modules may include but are not limited to:

1. Electricity and Electronics
2. Energy Efficiency & Renewable Energy
3. Wastewater treatment
4. Distillation / Refining petroleum
5. Biodiesel generation

C61 Process Tech –Medical/Forensics (science elective)

Grade: 10, 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: None

This class is a hand's on and group oriented class focusing on both the "soft skills" as well as the skills of math, science and writing. Through required readings, worksheets, labs and assessments, students are expected to demonstrate the knowledge and skills required in chemistry, biology and physics while gaining a better understanding of the jobs and responsibilities of a process technician. This course work consists of three to four modules. Some modules provided from the American Chemical Society's Science in A Technical World series. The modules may include but are not limited to:

1. Medical terminology
2. Polymer research and development
3. Crimes Scene investigation

4. Blood typing / Urinalysis
5. TBD

Science

The District RE-8 science courses meet and incorporate the following Colorado State Science Standards (Revised in 2007):

- Standard 1: Students apply the processes of scientific investigation and design, conduct, communicate about, and evaluate such investigations.
- Standard 2: Physical Science: Students know and understand common properties, forms, and changes in matter and energy. (*Focus: Physics and Chemistry*)
- Standard 3: Life Science: Students know and understand the characteristics and structure of living things, the processes of life, and how living things interact with each other and their environment. (*Focus: Biology, Anatomy, Physiology, Botany, Zoology, Ecology*)
- Standard 4: Earth and Space Science: Students know and understand the processes and interactions of Earth's systems and the structure and dynamics of Earth and other objects in space. (*Geology, Meteorology, Astronomy, Oceanography*)
- Standard 5: Students understand that the nature of science involves a particular way of building knowledge and making meaning of the natural world.

Many science courses have additional fees for lab materials.

S70 Astronomy (science elective)

Grade: 10, 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: Chemistry 1, Physics 1, Integrated Algebra,

This is an upper level science elective designed to impart the basics of stellar astronomy: the study of matter in outer space. Especially the positions, dimensions, distribution, motion, composition, energy, and evolution of celestial bodies and phenomena. Semester topics include, -Understanding the Starry Sky -Light and Telescopes -The Stars -The Sun -Stellar Evolution -Galaxies -The Universe/Cosmology At some point during the semester, there will be at least one "Night Lab".

S66 Animal Genetics (science elective)

Grade: 10, 11, 12

Length: 1 sem. / .5 Credit Lab Fee: \$5.00.

Prerequisite: Biology I

This course covers both vertebrate and invertebrate animals. Dissection of several animals representing various phyla and a variety of genetics laboratories are included. A variety of genetic material of the animal kingdom will be studied. This course includes upper level benchmarks from science standards 1, 3, and 5.

S10 Biology 1

Grade: 9 Length: 1 sem. / .5 Credit

Freshmen Academy Required Course—Honors option available

Prerequisite: none

This required course is an introduction to the biological sciences. This includes but is not limited to an introduction to cytology, genetics, specialization, taxonomy, and immunology. It includes all of the required science standard 3 benchmarks.

S15 Biology 1(Credit Retrieval Course)

Grade:10-12 Length: 1 sem. / .5 Credit

Prerequisite: none

This required course is an introduction to the biological sciences. This includes but is not limited to an introduction to cytology, genetics, specialization, taxonomy, and immunology. It includes all of the required science standard 3 benchmarks.

S11 Honors Biology 1

Grade: 9 Length: 1 sem. / .5 Credit

Prerequisite: Selection process based upon body of evidence from demonstrated 8th grade science aptitude and performance.

This required course is a rigorous introduction to the biological sciences. The strenuous coursework includes all of the required benchmarks from Science Standard 3 and introduces the advanced standards from Science Standard 3. This course provides an introduction to cytology, specialization, ecology, taxonomy, and immunology

S80/S81 AP Biology A/B

Grade: 11, 12 Length: 2 sem. / .5 Credit per

Prerequisite: AP contract required instructor approval
Advanced Placement Biology is developed by the College Board and is designed to afford high school students the potential to gain college credit and/or advanced placement in the college they attend above the introductory course. This course is congruent to a college freshman biology class. It is an in-depth, accelerated study of a variety of biological topics. This course is designed for the college bound student. Students should have a curiosity, capacity to work hard, and an interest in the Life Sciences. The two main goals of AP Biology are to help students develop a conceptual framework for modern biology and to help students gain an appreciation of science as a process. The primary emphasis in an AP Biology course should be on developing an understanding of concepts rather than on memorizing terms and technical details. Essential to this conceptual understanding is the following; a grasp of science as a process rather than as an accumulation of facts; personal experience in scientific inquiry; recognition of unifying themes that integrate the major topics of biology; such as evolution, energy transfer, continuity and change, relationship of structure to function, regulation, and interdependence in nature; and an application

of biological knowledge and critical thinking to environmental and social concerns.

S84/S85 AP Environmental –Offered 2011-12

Grade: 11, 12 Length: 2 sem. / .5 Credit per

Grade: 11, 12 or 10 with instructor permission only.
Prerequisite: Biology I, Earth Science, Physics I and Chemistry I with a C or better

AP Environmental Science is a first year college science course. Students taking this course can take the AP Exam in the spring and qualify for college credit. In this college bound course, we will develop the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and man made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. At least one hour per week will be devoted to hands-on laboratory experiences or fieldwork. A written report will be required for all lab and fieldwork.

S30 Chemistry 1

Grade: 10, 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: none

This required course is intended to prepare students for the physical science portion of the science CSAP. This course will give students an introduction to the topic of chemistry and its applications. An important part of chemistry is a clear understanding of the Scientific Method, experiment design, application, and data analysis (Science Standards 1, 5). These topics are integrated throughout the course. Semester topics include: metric measurement, composition and properties of matter, atoms and their structure, the electromagnetic spectrum, Periodic Table, formation of compounds, types of compounds, and chemical reactions/equations.

S34 Honors Chemistry 1

Grade: 10, 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: Selection process based upon body of evidence from demonstrated 9th grade science aptitude and performance.
This required course is intended to prepare students for the physical science portion of the science CSAP. This course is a rigorous introduction to chemistry. The strenuous coursework includes all of the required upper level benchmarks for all the science standards related to topics of atomic theory, the Periodic Table, atomic bonding, chemical reactions, and all other topics covered in Chemistry 1.

S31/S32 Chemistry 2A/2B (science elective)

Grade: 11, 12 Length: 2 sem. / .5 Credit per

Prerequisite: Chemistry 1, Physics 1, Integrated Algebra
Chemistry II is a math based college preparatory science class and is a full year course. Students enrolled in Chemistry IIa in the fall should plan on taking Chemistry IIb in the spring. This class is intended to prepare students for AP Chemistry. That is, a student who successfully completes this class will be prepared to take a "first year" college chemistry class. Topics for the first semester include: chemical reactions, advanced atomic structure, kinetic theory, behavior of gases, gas laws,

and chemical quantities. Topics for the second semester include: stoichiometry, gas stoichiometry, solution chemistry, acids and bases, oxidation-reduction reactions, electrochemistry, and introduction to organic chemistry. It is STRONGLY recommended that students whom enroll in this course own a scientific calculator.

S86/S87 AP Chemistry A/B (science elective)

Grade: 11, 12 Length: 2 sem. / .5 Credit per

Prerequisite: Chemistry IIa and IIb, Advanced Algebra
AP chemistry is the equivalent of a first year college general chemistry class and is highly rigorous. Students taking this class should plan on taking the AP Chemistry exam at the end of the Spring semester. Topics for the first semester include: atoms, molecules and ions, atomic structure and periodicity, bonding, chemical reactions, stoichiometry, gases, solutions, and kinetics. Topics for the second semester include: Equilibrium, acids and bases, aqueous equilibria, thermochemistry, entropy/free energy, electrochemistry, and spectroscopy. Students will be required to purchase a lab notebook and use a scientific (graphing) calculator.

S20 Earth Science

Grade: 9 only Length: 1 sem. / .5 Credit

Freshmen Academy Required Course—Honors option available

Prerequisite: none
This required course is an introduction to Hydrology, Meteorology, Geology, Paleontology and Oceanography. This course includes all of the required benchmarks for science standard 4.

S21 Introduction to Earth Science (retrieval)

Grade: 10, 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: None.
This required course is an introduction to Hydrology, Meteorology, Geology, Paleontology and Oceanography. This course includes all of the required upper level benchmarks for science standard 4.

S22 Honors Earth Science

Grade: 9 only Length: 1 sem. / .5 Credit

Freshmen Academy Required Course—Honors option available

Prerequisite: none
This required course is a rigorous introduction to Hydrology, Meteorology, Geology, Paleontology and Oceanography. This course includes all of the required benchmarks for science standard 4.

S40 Physics I

Grade: 10, 11 Length: 1 sem. / .5 Credit

Prerequisite: None
This course or the equivalent, Honors Physics I, is required for graduation. This is a required course intended to prepare students for the 10th grade CSAP test. Topics include the following: scientific measurement, scientific method, Newton's 3 Laws, Linear Motion, Energy, potential and

kinetic energy, temperature, heat and expansion, heat transfer, vibrations & waves, sound, electrostatics.

S41 Honors Physics I

Grade: 10 Length: 1 sem. / .5 Credit

Prerequisite: Selection process based upon body of evidence from demonstrated 9th grade science aptitude and performance and previous or concurrent registration in Algebra
This course or the equivalent, Physics I, is required for graduation. Topics include the following: scientific measurement, scientific method, Newton's 3 Laws, Linear Motion, Energy, potential and kinetic energy, temperature, heat and expansion, heat transfer, vibrations & waves, sound, electrostatics.

S42 Physics 2

Grade: 10, 11, 12 Length: 1 sem. / .5 Credit

Prerequisites: Chemistry 1, Physics 1, Integrated Algebra
This course continues the study of the physical world and introduces most of the ideas classified as "modern physics". Topics covered include: Electrostatics, Circuits, Magnetism, Induction and Power Transfer, Light, Optics, Relativity, and Nuclear Physics. This is a math based college preparatory science class and will give a strong background in physics suitable for taking an entry-level college physics class.

S50/S51 Human Anatomy and Physiology A/B (science elective)

Grade: 10, 11, 12 Length: 1-2 sem. / .5 Credit per

Prerequisite: Biology I and it is strongly recommended but not required that students complete both semesters of this course. Enrollment at either semester is accepted. Fee: \$10.00
Semester 1- Anatomy: The dissection of a cat covers the anatomy of the external features, muscles, internal organs, veins and arteries, urogenital system and nervous system of the cat, which is very closely related to the human. Science standards 1 and 3.
Semester 2 – Physiology: Covers the systems of the human body and how they function. Includes labs of the human body. Science standards 1, 3 and 5

S60 Microbiology (science elective)

Grade: 10, 11, 12 Length: 1 sem. / .5 Credit per

Prerequisite: Biology I
This course covers the study of microorganisms as well as diseases they cause and their importance to human beings. This course includes upper level benchmarks from science standards 1, 3 and 5.

Social Studies

The required social studies courses, for graduating classes 2003 and beyond, meet and incorporate the following content standards for history and geography:

- Students understand the chronological organization of history and know how to group people and events into

major eras to identify and explain historical relationships.

- Students know and understand how to use various processes and resources of historical inquiry.
- Students understand that societies are diverse and have changed over time.
- Students understand how science, technology, and economic activity have developed, changed, and affected societies throughout history.
- Students understand political institutions and theories that have developed and changed over time.
- Students know that religious and philosophical ideas have been powerful forces throughout history.
- Students know how to use maps, globes, and other geographic tools to locate and derive information about people, places and environments.
- Students know the physical and human characteristics of places, and can use this knowledge to define and study regions for the purpose of interpreting patterns of change.
- Students understand how natural processes shape Earth's surface patterns and systems.
- Students understand how economic, political, cultural, and social processes interact to shape patterns of human populations, interdependence, conflict, and cooperation on Earth's surface.
- Students understand the effect of interaction between human and natural systems and the changes in meaning, use, distribution, and importance of resources.
- Students apply knowledge of people, places, and environments to understand the past and present and to plan for the future.

T10 Civics 9

Grade: 9 **Length: 1 sem. / .5 Credit**
Freshmen Academy Required Course—Honors option available.

Prerequisite: None

Students will study how the legal and political traditions of Europe influenced American government, and they will examine how the American colonial experience led to the formation of a representative government in which the freedoms and privileges of common Americans were clearly outlined. Students will also be exposed to aspects of American government such as the three branches of government, the Constitution, the Bill of Rights, federalism, and the structure, function and purpose of American law

T12 US & Colorado Civics/Government

Grade: 12 **Length: 1 sem. / .5 Credit**

Prerequisite: none

This is a required course. Students will study how the legal and political traditions of England influenced American government, and they will examine how the American colonial experience led to the formation of a representative government in which the freedoms and privileges of common Americans were clearly outlined. Students will also be exposed to the structure and function of the Federal Government as well as to the structure and function of the

Colorado government. Students will trace the development of political parties in this nation, and they will examine the role of the citizen in American democracy.

T88/T89 AP Civics/Government

Grade: 12 **Length: 2 sem. / .5 Credit per**

Prerequisite: World History, US History, instructor approval.

This course is designed as a college-level course and will be taught for two semesters. It is an intensive study for both informal and formal structure of the United States national government and the political spectrum. By looking at historical changes, constitutional procedures, policy choices and comparative perspectives you will see how institutions and policies of our government have grown. A focus will be placed on essential college skills such as reading, discussion, writing, and primary and secondary source analysis. Students who are planning on obtaining college credit for this course will take the AP exam in May. May be available online if limited student requests.

T11 Geography

Grade: 9 **Length: 1 sem. / .5 Credit**
Freshmen Academy Required Course—Honors option available.

Prerequisite: none

In this course, students will gain familiarity with the physical and human environments of Asia, Europe, North America, South America, the Middle East, and Africa and how these environments have changed over time. As students gain familiarity with the geographical characteristics of these places, they will then study how each environment impacts the culture and history of the inhabitants that settled in these areas. Students will also study how the inhabitants of these areas modified their environment as a result of cultural and historical factors. The idea of change over time will be emphasized in this course

T41 Introduction to Psychology (social studies elective)

Grade: 11, 12 **Length: 1 sem. / .5 Credit**

Prerequisite: None

This is a one semester class that meets a social studies elective requirement. This class is a survey of many of the topics covered in psychology. Though out the semester we will look at a variety of topics including: psychology as a science, exploring the theories behind child development, and delve into the different states of consciousness. Toward the end of the semester we will study different personality theories, psychological disorders, and therapies. Although this class is not the level of rigor of advanced placement psychology, it is a good introduction for students going on to college who plan on taking psychology as a general education requirement.

T85/T86 AP Psychology (social studies elective)

Grade: 11, 12 **Length: 2 sem. / .5 Credit per**

Prerequisite: Instructor Approval/Recommendation

This course is an intensive study in the science of human behavior, thoughts and feelings. Psychology methods, approaches, history, biological bases of behavior, sensation, perception, states of consciousness, learning, cognition,

motivation, emotion, developmental psychology, personality, testing and individual differences, abnormally psychology, treatment of psychological disorder and social psychology. Students are expected to take the AP exam in May, which will include a fee. Students who are planning on obtaining college credit for this course must take the AP exam.

T40 Sociology (social studies elective)

Grade: 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: None

This course is designed to investigate the principles of sociology, the individual in group, social institutions, social control, and the use of research methods to examine social problems. The course provides practice to students in developing critical thinking, decision-making, and social studies skills concerning human relationships.

T30/T31 World History

Grade: 10, 11, 12 Length: 2 sem. / .5 Credit per

Prerequisite: None

In the first semester of this course, students will see the birth and development of Western and Eastern civilizations, focusing on religion and historical impact beginning at the Ancient World and ending at Reformation. The second semester of this course studies Expansion, Exploration, Revolution and Industrialism. Focusing on how these topics and Western nations still continue to influence the world including current events. In both parts of this course, students will practice and develop critical thinking skills necessary for historical study and analyzing cause and effect relationships between the many inhabitants of the world

T32/T33 Honors World History

Grade: 10, 11, 12 Length: 2 sem. / .5 Credit per

**Admittance guidelines include previous GPA, CSAP Score, and teacher recommendation.

In this course historical events are viewed from a variety of perspectives and are explored as an outgrowth of clashing factors. A consistent positive work ethic and the ability to work independently are necessary skills for the successful completion of an honors level course. Honors World History requires the use of challenging reading material, a greater emphasis on writing and the ability to think critically. Students will investigate the various social and political factors that have shaped the world including religion, politics, world powers, the economic problems caused by changing conditions and the various social forces and movements which have shaped the world. Students who take this course are preparing for Advanced Placement US History

T20/T21 US History

Grade: 10, 11, 12 Length: 2 sem. / .5 Credit per

Prerequisite: None.

In the first semester of this course students will examine the historical and intellectual origins of the United States beginning at the Constitutional era through Imperialism. They learn about the important political and economic factors including the writing and key ideas of the U.S. Constitution, conflict and Civil War, Reconstruction, Industry, Life at the

Turn of the 20th Century and Imperialism. The second semester of this class with focus on 20th Century America and the key ideas of World War I, Depression, World War II, Cold War and Communism, Civil Rights, and the U.S Today. In both parts of this course, students will practice and develop critical thinking skills necessary for historical study and analyzing cause and effect relationships between the many inhabitants of the US and foreign countries.

T80/T81 AP US History

Grade: 10, 11, 12 Length: 2 sem. / .5 Credit per

Prerequisite: Instructor recommendation—Meets graduation requirements.

In this course, students will examine the topics that are addressed in the traditional US History/Civics courses at FLHS. This course is designed for the college bound student who wishes to study US History at an advanced level. Students who enroll in this course will be expected to demonstrate high levels of curiosity, an outstanding work ethic, and exemplary academic skill. A strong emphasis will be placed in high-level critical thinking skills; students will be exposed to a wide variety of primary source documents and other historical text. Moreover, there will be an extensive research component to this course with a particular focus on contemporary as well as historical constitutional and legal issues. Students are expected to take the AP exam in May, which will include a fee. Students who are planning on obtaining college credit for this course will take the AP Exam in May.

Special Programs

E20 TeacherAssistant

Grade: 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: Administrative approval required and 90% attendance record and a passing grade in all classes for previous semester.

Limited to one Student Assistant (TA) period per semester. Those interested should contact their counselor for instructions and a clarification of procedures involved. A designated administrator will give the student the proper form to be completed. Regular attendance is mandatory. A student may be approved for a maximum of two units of credit earned as an assistant in grades 11, 12.

E10/E11 Student Council

Students may select student council, however it is a club, not a class and selection will be used only for list of students interested in student council.

Technology Education

Graphic Arts
Music Production
Video Production
Yearbook

These classes are designed for students who can work independently. The following technology courses meet and incorporate the following District RE-8 content standards:

- Students understand the terms and definitions associated with the use of a personal computer and accessories.

- Students know how to operate the basic components of the computer and accessories.
- Students learn appropriate maintenance and responsible use of computers and peripheral technological equipment.
- Students apply technology as a tool for problem solving and development.
- Students recognize how modern technology has developed, changed, and affected society

J20 Graphic Arts 1

Grade: 10, 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: None

These courses provide students an opportunity to acquire basic knowledge and skills, and use these in the production of artwork/graphics suited for posters, brochures, advertisements, magazine and newspaper designs. Graphic Arts 1 explores Adobe Illustrator and creative arts projects.

J21 Graphic Arts 2

Grade: 10, 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: Graphic Arts 1

These courses provide students an opportunity to acquire basic knowledge and skills, and use these in the production of artwork/graphics suited for posters, brochures, advertisements, magazine and newspaper designs. Graphic Arts II explores Adobe Photoshop with its many digital photo correction and manipulation.

J30 Music Tech 1

Grade: 9, 10, 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: None

These courses provide students an opportunity to acquire basic knowledge and skills in music creation utilizing computer programs. We will explore loop based song creation, music notation, and music and audio arrangement. Music Technology II explores incorporation of traditional and computer based music creation as students write, produce and author a variety of projects.

J31 Music Tech 2

Grade: 9, 10, 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: Music Production 1

These courses provide students an opportunity to acquire basic knowledge and skills in music creation utilizing computer programs. We will explore loop based song creation, music notation, and music and audio arrangement. Music Technology II explores incorporation of traditional and computer based music creation as students write, produce and author a variety of projects.

J40 Television Production 1

Grade: 9, 10, 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: None

These courses provide students with an introduction to the process as well as the elements of television production in addition to exploring career opportunities. Students will develop skills in operating cameras, microphones, audio mixers and audio/video switchers, as well as skills needed in

live-to-tape studio productions. Story boarding, scripting, writing, producing, non-linear video editing, podcasting, and DVD authoring skills will also be developed.

J41 Television Production 2

Grade: 9, 10, 11, 12 Length: 1 sem. / .5 Credit

Prerequisite: TV Production 1

This course provides students with advanced television production processes, as well as the elements of television production in addition to exploring career opportunities. Students will develop more advanced skills in operating cameras, microphones, audio mixers and audio/video switchers, as well as skills needed in live-to-tape video productions. Story boarding, scripting, writing, producing, non-linear video editing, podcasting, and DVD authoring skills will also be developed.

L53/L54 Yearbook A/B

Grade: 10, 11, 12 Length: 1-2 sem. / .5 Credit per

Prerequisite: instructor approval

In this year-long course, students will develop journalism and design skills. The fundamentals of yearbook journalism includes coverage of the years events, ethics, writing story copy, writing captions, creating sidebars, photojournalism and video journalism. All yearbook staff members will learn Jostens YearTech, and Adobe In Design/Photoshop programs. Responsibilities include planning the yearbook ladder, producing yearbook pages, and fundraising. Producing yearbook pages involves designing the pages, taking the photographs for the pages, writing all copy, including captions on the pages, and video filming and editing. After school time may become necessary for members of this class. Leadership is an expected role for all students, which will manifest in assisting others, taking responsibility for themselves and others to make a product for the school, and by representing the yearbook staff in a positive way in the school community. Selected students taking these courses may earn editor and business manager positions. The end result will be the yearly publication of the school yearbook.

**Fort Lupton Alternative Diploma
Program Graduation Requirements:
(FLAD)**

Students that qualify for the Fort Lupton Alternative Diploma Program will need to complete the following graduation requirements and will receive an individualized endorsement pathway diploma. Students must be seventeen to enroll in the Fort Lupton Alternative Diploma program, have participated in a number of interventions unsuccessfully or receive administration approval for early enrollment. Students who are as of June 2010, on individualized plan, will complete their FLAD according to their current plan.

Language Arts: Students will show mastery in the final assessment in the Plato Web Learning Network in four language arts/reading classes which may include but are not limited to:

- Advanced Reading Strategies

- Reading for Information
- Writing in the workplace
- Writing series (ALL)
- Advanced Writing Processes or Strategies
- Workplace Writing
- Communication

Mathematics: Students will show mastery in the final assessment in the Plato Web Learning Network classes:

- Algebra 1 A and B
- Economics

Science: Students will show mastery in two of the four classes below in the final assessment in the Plato Web Learning Network classes:

- Biology
- Chemistry
- Physical Science
- Physics

Technology: Students will show mastery one of the two classes below in the final assessment in the Plato Web Learning Network classes:

- Computer Applications and Technology
- Technology Fundamentals

Social Studies: Students will show mastery in the final assessment in the Plato Web Learning Network classes:

- Social Studies/US History A
- Civics

Practical Arts: Students will show mastery in the final assessment in the Plato Web Learning Network classes:

- Health
- Job Skills for the Workplace

In additional, students will successfully:

- Participate in a minimum of 20 hours of service learning or work experience in any combination while in the Fort Lupton Alternative Diploma Program

Department	Course#	Course Name	Required or special info	Length	9 th	10 th	11 th	12 th	Fees
Art	A10	Drawing		1	x	x	x	x	\$8.00
	A11	Adv Drawing	Requires instructor approval	1		x	x	x	\$8.00
	A13	Pottery 1		1	x	x	x	x	\$8.00
	A14	Adv Pottery	Requires instructor approval	1		x	x	x	\$8.00
	A16	Photography		1			x	x	\$20.00
	A20	Painting		1	x	x	x	x	\$8.00
	A30/A31	Adv Art A/B	Requires instructor approval	2		x	x	x	\$8.00
	A80/A81	AP Art A/B	Requires instructor approval	2			x	x	\$30.00
AVID	E50/E51	Avid 9A/9B	Requires application process	2	x				
	E52/E53	Avid 10A/10B	Requires application process	2		x			
	E54/E55	Avid 11A/11B	Requires application process	2			x		
	E56/E57	Avid 12A/12B	Requires application process	2				x	
Business & Marketing	B10	Computer Applications	Not offered during 2011-12 SY						
	B12	Business & Personal Finance		1	x	x	x	x	
	B15	Intro to Business		1	x	x	x	x	
	B50/B51	Marketing 1A/1B	For Juniors	2			x		
	B52/B53	Marketing 2A/2B	For Seniors	2				x	
	B54/B56	Marketing Ed Lab – School Store	Approval required and enrollment in Marketing	1-2			x	x	
	B55	Marketing Work Experience	Not offered during 2011-12 SY	1-2			x	x	
Construction	C10	Intro to Construction		1	x	x			
	C15/C16	Construction Tech		2		x	x	x	
Career Academy – Aims Community College	C70	Aims Nurse Assistant	Fall only Requires application and assessment	1			x	x	
	C71	Aims Medical Terminology	Spring only Requires application and assessment	1			x	x	
	C15/C16	Aims Construction Tech	Requires application and assessment	2			x	x	
Family Consumer Science	H10	Life Management		1			x	x	
	H11	Relationships		1			x	x	
	H20	Principles of Catering 1		1	x	x	x	x	
	H21	Principles of Catering 2	Prereq: Catering 1	1	x	x	x	x	
Health	G50	Health	Required class	1	x	x	x	x	

Department	Course#	Course Name	Required or special info	Length	9 th	10 th	11 th	12 th	Fees
Intervention	I20	Forward Reading	Not selectable. Placement.	1-2	x	x			
	I21/I22	Literacy Lab 1A/1B	Not selectable. Placement.	1-2	x	x	x	x	
	I23/I24	Functional Literacy	Not selectable. Placement.	1-2	x	x	x	x	
	I25/I26	Literacy Lab 2A/2B	Not selectable. Placement.	1-2	x	x	x	x	
	I30	Math Lab	Not selectable. Placement.	1-2	x	x			
	I31/I32	Functional Math	Not selectable. Placement.	1-2	x	x	x	x	
	I45/I46	Career & Academic Lab A/B	Not selectable. Placement	1-2	x	x	x	x	
	I40/I41	Functional Life Mgmt	Not selectable. Placement.	1-2	x	x	x	x	
	I42/I43	Transition Work A/B	Not selectable. Placement.					x	
	I50/I51	ESL1-2 A/B	Not selectable. Placement.	2	x	x	x	x	
	153/I54	Success 1	Not selectable. Placement.	2	x				
	I55/I56	Success 2	Not selectable. Placement.	2		x			
	I60/I61	Leadership/ELO	Required for 9 th Graders	2	x				
	I75/I76	Class 1A/1B	Credit recover-Plato	1-2	x	x	x	x	
Language Arts	L10/L11	Fr. Language Arts	Required	2	x				
	L20/L21	Soph Language Arts	Required	2		x	x	x	
	L22/L23	Honors Soph Language Arts	Meets grad requirement	2		x			
	L30/L31	Jr. Language Arts	Required	2			x	x	
	L32/L33	Honors Jr. Language Arts	Meets grad requirement	2			x		
	L40/L41	Sr. Language Arts	Required	2				x	
	L80/L81	AP Lit/Comp	Meets grad requirement Requires AP contract	2				x	
Language Arts Electives	L50	Drama 1		1	x	x	x	x	
	L51	Drama 2	Prereq: Drama 1	1	x	x	x	x	
	L52	Theatre Production		1	x	x	x	x	
Mathematics	M10/M11	Standards Math A/B		2	x	x	x	x	
	M20/M21	Int. Algebra A/B		2	x	x	x	x	
	M30/M31	Int. Geometry A/B	Minimum required for graduation	2	x	x	x	x	
	M40/M41	Adv Algebra A/B	Students should take Trig also	2	x	x	x	x	

	Course#	Course Name	Required or special info	Length	9 th	10 th	11 th	12 th	Fees
	M50/M51	Trigonometry A or Trigonometry B (take only one)	PreCalc students take M50. Adv Alg take M51. Concurrent class.	1	x	x	x	x	
	M60/M61	PreCalculus A/B	Students should take Trig also.	2		x	x	x	
	M80/M81	AP Statistics	Requires AP Contract	2			x	x	
	M82/M83	AP Calculus	Requires AP Contract	2			x	x	
MultiLanguage	F50/F51	Spanish 1A/1B		2	x	x	x	x	
	F60/F61	Spanish 2A/2B	Students may be required to take placement assessment.	2	x	x	x	x	
	F70/F71	Spanish 3A/3B	Students may be required to take placement assessment	2		X	X	X	
	F80/F81	AP Spanish	Requires AP contract	2			x	x	
Music	N30/N31	Band A/B		2	x	x	x	x	\$20.00
	N40/N41	Jazz Band A/B	Requires instructor approval	2	x	x	x	x	
	N20/N21	Choir A/B		1-2	x	x	x	x	
	N50	Drumline	Returning students welcome	1	x	x	x	x	\$6.00
Physical Education	P10	Intro to Team Sport	Required class	1	x	x			
	P11	Intro to Indiv & Dual Activities	Required class	1	x	x			
	P20	Intermediate PE	Prereq: P10/P11	1		x	x	x	
	P21	Lifetime Sports	Prereq: P10/P11	1		x	x	x	
	P30	Weight Training	Prereq: P10/P11	1		x	x	x	
	P31	Adv Weight Training	Prereq: P10/P11/P30	1		x	x	x	
Process Tech	C60	Process Tech-Energy/Water	Meets science elective grad req	1		x	x	x	
	C61	Process Tech-Medical/Forensics	Meets science elective grad req	1		x	x	x	
Science	S10	Biology 1	Required 9 th grade	1	x				
	S11	Honors Biology	Option for 9 th grade	1	x				
	S15	Biology 1-retrieval	Retrieval course	1		x	x	x	
	S20	Earth Science	Required 9 th grade	1	x				
	S21	Intro to Earth Science	Retrieval Course	1		x	x	x	
	S22	Honors Earth Science	Option 9 th grade	1	x				
	S30	Chemistry	Required class	1		x	x	x	
	S31/S32	Chemistry 2A/2B	Prereq: Chem 1	2			x	x	
	S34	Honors Chemistry	Meets grad req	1		x			
	S40	Physics 1	Required class	1		x	x	x	

	S41	Honors Physics	Meets grad req.	1		x			
	S42	Physics 2	Prereq: S40 or S41	1		x	x	x	
	Course#	Course Name	Required or special info	Length	9 th	10 th	11 th	12 th	Fees
	S50/S51	Human Anatomy A / Physiology B	May enroll in one semester only or two	1-2			x	x	Lab Fees
	S66	Animal Genetics		1			x	x	Lab Fees
	S70	Astronomy		1			x	x	
	S86/S87	AP Chemistry	Requires AP contract	2			x	x	
	S60	Microbiology		1			x	x	Lab Fees
	S80/S81	AP Biology A/B	Requires AP Contract	2					Lab Fees
	S84/S85	AP Environmental A/B	Offered in 2011-12	2					Lab Fees
Social Studies	T10	Civics 9	Required 9 th grade	1	x				
	T11	Geography	Required 9 th grade	1	x				
	T12	US & Colorado Civics/Government	Meets grad req	1				x	
	T20/T21	US History A/B	11 th grade required	2			x	x	
	T30/T31	World History A/B	10 th grade required	2		x	x	x	
	T32/T33	Honors World History A/B	Meets grad req	2		x			
	T40	Sociology		1			x	x	
	T41	Intro to Psychology		1			x	x	
	T80/T81	AP US History	Requires AP Contract	2			x	X	
	T85/T86	AP Psychology	Requires AP contract	2			x	x	
	T88/T89	AP Civics (may be online option)	Requires AP contract	2			x	x	
Special Programs	E20	Teacher Assistant	Requires contract	1			x	x	
	E10/E11	Student Council	Student Club Only	2	x	x	x	x	
Technology	J20	Graphic Arts 1		1	x	x	x	x	
	J21	Graphic Arts 2		1	x	x	x	x	
	J30	Music Tech 1		1	x	x	x	x	
	J31	Music Tech 2		1	x	x	x	x	
	J40	Television Production 1		1	x	x	x	x	
	J41	Television Production 2		1	x	x	x	x	
	L53/L54	Yearbook A/B		2		x	x	x	

Note: Students who do not select their classes during the online process will have classes assigned to them by administration and counselors. Students schedules will only be changed during limited times during school year.