

Lyons High School

Course Description Book 2011 - 2012

Phone Numbers

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District Website: www.stvrain.k12.co.us

School Website: <http://lms.hs.stvrain.k12.co.us/>

E-Mail

Every Lyons Middle-Senior staff member can be reached through e-mail. Simply address your e-mail to: last name _ first name@stvrain.k12.co.us (smith_john@stvrain.k12.co.us) E-mail addresses can also be found on the school's website.

Building Hours

School Office Hours	7:00 AM – 3:30 PM
Counseling Office Hours	7:30 AM – 3:00 PM

Vision Statement

Lyons High will have a welcoming environment where students can experience academic success and prepare for post secondary education, the world of work, and life's challenges.

Our Mission:

- Provide a top-notch learning environment for all students.
- Provide a learning environment focused on rigor, relevance, and relationships.
- Provide the support and encouragement students need to accomplish their goals.
- Provide an opportunity for students to participate in a variety of electives.
- Provide an opportunity for students to participate in extra/co-curricular activities, including community service.

The Benefits of Thoughtful Planning As It Relates To Planning a Course Schedule:

All students benefit from planning for their post-high school years. Whatever a student may have in mind--directly entering the job market, technical/trade school, community college, four-year college or university, military service--carefully selecting high school courses will help reach these chosen goals.

All students, especially juniors and seniors, are strongly encouraged to create a challenging schedule of rigorous academics, rather than the minimum classes to graduate. *Research indicates that a student who takes an AP class in high school is twice as likely to graduate from college as a student who does not take an AP class.*

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Introduction to the Course Description Book: 2010-2011

A planning guide for program selection and course registration

Welcome to Lyons High! This Course Description and Course Registration Guide have been developed to assist you in planning a course in study for your high school years.

The guide contains the requirements that you must meet to graduate from Lyons High. It also contains descriptions of all the courses that may be offered at LHS for the 2010-2011 school year.

- Study the graduation requirements, college entrance requirements, Advanced Placement Program information.
- Complete a 4 year plan (incoming Freshmen) or credit check sheet (Incoming Sophomores, Juniors, Seniors)
- Then review the course offerings and plan your own course of study with your parents and/or counselor. Your choice of courses should be based on graduation requirements, teacher recommendations, your interests and abilities, your past achievements, and your post high school plans.

Registration Procedure for 2010-2011

1. Each student will receive a Course Description and Registration Packet for family consideration.
2. Please complete the registration packet (refer to the registration checklist for required forms).
3. Each student must complete the course registration form indicating the courses desired for the 2010-2011 school year. (Parent/Guardian signature is required. **Many** courses require teacher recommendations, applications and/or signatures).
4. Finalize registration process in English classes.

Please think carefully about your course selections for next year. Talk to your teachers and counselor if you need advice. The Counseling Department, the faculty and the administrators are available to offer assistance in your decision-making process. Please contact us at 303-823-6631 if you have any questions.

REGISTRATION GUIDELINES

The master schedule will be built from student requests. Courses and multiple sections of courses **will be offered only** if sufficient numbers of students enroll. Therefore, please make your selections carefully. Students will be selecting classes for the entire school year.

Please review and/or complete the following:

1. Review the high school graduation requirements.
2. Review the sample college admission criteria.
3. Review or complete a four-year plan.
5. Review the course offerings.
6. Read the course descriptions.
7. If you are an athlete, it is your responsibility to know and understand the eligibility requirements.
8. Consult teachers, counselors and administrators for guidance.
9. Follow the instructions on your registration form.
- 10. Freshmen and sophomores must be enrolled in a minimum of 6.0 credits per year.**
- 11. Junior and Senior level students must be enrolled in at least 6.0 credits per year.**

St.Vrain Valley School District Graduation/Colorado College Admissions Requirements:

St. Vrain Valley School District Graduation Requirements		Colorado Commission on Higher Education (CCHE) Admission Requirements	
TOTAL CREDITS	24.5 CREDITS	Credits	
Language Arts	4.0 credits	4.0	English
Math	3.0 credits	4.0	Math (Algebra I, Geometry, Algebra II or equivalents)
Science	3.0 credits	3.0	Natural/Physical Science (2.0 credits must be lab based)
Social Studies	3.0 credits	3.0	Social Studies (at least 1.0 credit either US or World History)
		2.0	World language course – must be in the same language
Electives	11.5 credits	2.0	Academic Electives: Computer Science, art, music, journalism or drama. Also acceptable are honors, advanced placement and/or International Baccalaureate (IB) courses.

COLORADO COMMISSION ON HIGHER EDUCATION STANDARDS FOR COLLEGE ENTRANCE

When planning your coursework through high school, please be informed of the recent changes to college entrance requirements made by the Colorado Commission of Higher Education (CCHE). Meeting the Higher Education Admissions Requirements does not guarantee admission to a four-year public institution. Colleges and universities may have additional requirements. Please refer to the Colorado Commission on Higher Education website for the most recent information.

<http://highered.colorado.gov/Academics/Admissions/coursecompletion.html>

Students planning to attend a four-year college or university in Colorado will need to complete the following classes in order to fulfill the Higher Education Admission Requirements. In addition to the Higher Education Admission Requirements, students must also meet the [Admission Eligibility Index](http://highered.colorado.gov/Academics/Admissions/IndexScore/default.asp) (<http://highered.colorado.gov/Academics/Admissions/IndexScore/default.asp>)

Sample College Admission Criteria

Admission criteria to colleges and universities vary. On a continuum of expectations and requirements, the following examples provide general indicators.

Most Selective Colleges/Universities

Examples: U. S. Air Force Academy, Stanford University, Ivy League universities, Northwestern University, Duke University
 Minimum of 18 core units: English 4, Math 4, Social Studies 3-4, Science 3-4, Foreign Language 3-4
 Advanced Placement Courses Required
 G.P.A. 3.8+ (academic courses only) SAT 1300+ ACT 28+

Very Selective Colleges/Universities

Examples: Colorado College, Colorado School of Mines, University of Puget Sound, Middlebury College, Illinois Wesleyan University, Tulane University
 Minimum of 18 core units: English 4, Math 4, Social Studies 3-4, Science 3-4, Foreign Language 3-4, Advanced Placement Courses Required
 G.P. A. 3.6+ (academic courses only) SAT 1200+ ACT 27+

Selective Colleges/Universities

Examples: University of Colorado-Boulder, University of Denver, Colorado State University, Regis University, Arizona State University, Cornell College, American University, Vanderbilt University
 Minimum of 16 core units: English 4, Math 3-4, Social Studies 3-4, Science 3-4, Foreign Language 2-3
 Advanced Placement Courses Highly Recommended
 G.P. A. 3.4+ SAT 1100+ ACT 24+

Competitive I College

Examples: University of Northern Colorado, Colorado Christian University, University of Colorado at Colorado Springs, University of Colorado at Denver, Texas Christian University, Kent State University, Lesley University, Virginia Commonwealth University
 Minimum of 15+ core units: English 4, Math 3-4, Social Studies 3, Science 3, Foreign Language 1-3
 Advanced Placement Courses Recommended
 G.P.A. 3.0+ SAT 950+ ACT 20+

Competitive II College

Example: Fort Lewis College, Adams State College, Mesa State College, Metro State College of Denver, Western State College, Montana State University, Baker University, Plymouth State College, Grambling State University
 Minimum of 14 core units: English 4, Math 3-4, Social Studies 3, Science 3, Foreign Language 1-2
 G.P.A. 2.5+ SAT 850+ ACT 18+

High School Athletic Eligibility

Note: It is the responsibility of each student wishing to participate in athletics to be aware of the rules governing athletic participation, and to make sure you meet eligibility requirements. Parents, please review these requirements with your student. Students wishing to participate in athletics must have earned 2.5 (two and one half) credits in the semester previous to the term in which they wish to participate, and be enrolled in classes earning a minimum of 2.5 (two and one half) credits. Students typically meet this requirement by taking at least 5 full credit classes. It is the student's responsibility to make sure they meet these requirements. Students should check with Ms. Rominger or Ms. Leiding regarding their status.

INFORMATION FOR PROSPECTIVE COLLEGE ATHLETES ON NCAA CLEARINGHOUSE REQUIREMENTS

Students who wish to participate in collegiate athletics at the Division I or II level must apply for certification with the National Collegiate Athletic Association (NCAA) Clearinghouse during the fall of the senior year of high school. To register go to www.eligibilitycenter.org

ACADEMIC ELIGIBILITY *

Be sure to look at your high school's list of NCAA-approved core courses on the Eligibility Center's Web site to make certain that courses being taken have been approved as core courses. The Web site is www.eligibilitycenter.org.

DIVISION I

NCAA Division I requires 16 core courses as of August 1, 2008. This rule applies to any student first entering any Division I college or university on or after August 1, 2008. Division I has a sliding scale for test score and grade-point average. The sliding scale for those requirements is shown in the columns to the right. Only core courses are used in the calculation of the grade-point average.

16 Core-Course Rule

- 4 years of English
- 3 years of mathematics (Algebra I or higher)
- 2 years of natural/physical science (1 year of lab if offered by high school)
- 1 year of additional English, mathematics or natural/physical science
- 2 years of social science
- 4 years of additional courses (from any area above, foreign language or non-doctrinal religion/philosophy).

DIVISION II

NCAA Division II requires 14 core courses. See the breakdown of core-course requirements below. **Please note, Division II will require 16 core courses beginning August 1, 2013.** The Division II grade-point-average requirement is a minimum of 2.000. Only core courses are used in the calculation of the grade-point average. Division II has a minimum SAT score requirement of 820 or an ACT sum score of 68.

14 Core-Course Rule

- 3 years of English
- 2 years of mathematics (Algebra I or higher).
- 2 years of natural/physical science (1 year of lab if offered by high school)
- 2 years of additional English, mathematics or natural/physical science
- 2 years of social science.
- 3 years of additional courses (from any area above, foreign language or non-doctrinal religion/philosophy)

The SAT score used for NCAA purposes includes only the critical reading and math sections. The writing section of the SAT is not used.

The ACT score used for NCAA purposes is a sum of the four sections on the ACT: English, mathematics, reading and science.

All SAT and ACT scores must be reported directly to the NCAA Eligibility Center by the testing agency. Test scores that appear on transcripts will not be used. When registering for the SAT or ACT, use the Eligibility Center code of 9999 to make sure the score is reported to the Eligibility Center.

****NCAA Requirements are subject to change. Consult the NCAA website at www.ncaa.org for the most current requirements.**

<u>NEW CORE GPA/TEST SCORE INDEX</u>		
<u>Core GPA</u>	<u>SAT</u>	<u>ACT</u>
3.550 & Above	400	37
3.525	410	38
3.500	420	39
3.475	430	40
3.450	440	41
3.425	450	41
3.400	460	42
3.375	470	42
3.350	480	43
3.325	490	44
3.300	500	44
3.275	510	45
3.250	520	46
3.225	530	46
3.200	540	47
3.175	550	47
3.150	560	48
3.125	570	49
3.100	580	49
3.075	590	50
3.050	600	50
3.025	610	51
3.000	620	52
2.975	630	52
2.950	640	53
2.925	650	53
2.900	660	54
2.875	670	55
2.850	680	56
2.825	690	56
2.800	700	57
2.775	710	58
2.750	720	59
2.725	730	59
2.700	730	60
2.675	740 – 750	61
2.650	760	62
2.625	770	63
2.600	780	64
2.575	790	65
2.550	800	66
2.525	810	67
2.500	820	68
2.475	830	69
2.450	840 – 850	70
2.425	860	71
2.400	870	72
2.375	880	73
2.350	890	74
2.325	900	75
2.300	910	76
2.275	910	76

CAREER AND EDUCATIONAL FOUR-YEAR PLANNING CALENDAR

FRESHMAN YEAR

- August** Check in on assigned day. Attend add/drop day if necessary. Check for activities and clubs you would be interested in joining.
- September** During the first semester, students will review 4 year high school course plan with their counselor.
*Student receives a detailed freshman checklist to review with parents.
- October** PSAT optional
- Sept. - June** Discuss with teachers, parents, and counselors concerns about grades, academic achievement, and preparation for post-high school goals. Students are encouraged to take a rigorous course load. Parents and students are encouraged to attend Back-to-School night and parent-teacher conferences.
- Jan/Feb.** Read and review course offerings in the Course Description and Registration Guide. Discuss questions and concerns with parents, teachers and/or counselor. Keep your post-high school goals in mind as you choose courses. Complete registration for your sophomore year. Review your 4 year plan.
- March** Take CSAP test (state mandated).
- Summer** Volunteer and/or get a job to build your resume and save for college.

SOPHOMORE YEAR

- August** Check in on assigned day. Attend add/drop day if necessary.
- Sept. – June** Continue to self-monitor academic progress, seeking help and support when needed. Parents and students are encouraged to attend Back-to-School night and parent-teacher conferences. Begin exploring post-high school options. Identify career interest areas and explore career opportunities by interviewing or job shadowing professionals in your areas of interest. Attend college information night and any college fairs that are held in the Longmont and/or Denver-Metro area.
*Student receives a detailed sophomore checklist to review with parents.
- October** Take the PLAN Test. (Required)
Take the PSAT Test. (Optional)
Attend a College Fair Night.
- Jan/Feb.** Read and review course offerings in the Course Description and Registration Guide. PLAN results will be reviewed with counselors as part of the registration process. Discuss questions and concerns with parents, teachers and/or counselor. Keep your post-high school goals in mind as you choose courses. Complete registration for junior year. Review your 4 year plan.
- March** Take CSAP test (state mandated).
- Summer** Volunteer and/or get a job to build your resume and save for college.

JUNIOR YEAR

- August** Check in on assigned day. Attend add/drop day, if necessary.
- Sept - June** Continue to self-monitor academic progress seeking help and support when needed. Parents and students are encouraged to attend Back-to-School night and parent-teacher conferences. Take an ACT Prep course if appropriate. Continue to explore post-high school options and career interests. Job shadowing is strongly encouraged. Attend college fairs held in the Denver-Metro area during the fall. Meet with college admission representatives when they visit Lyons High. Visit college campuses when possible.
*Student receives a detailed junior checklist to review with parents.
- October** Take the PSAT. Attend a College Fair / Financial Aid Night
- Jan/Feb.** Read and review course offerings in the Course Description and Registration Guide. Discuss questions and concerns with parents, teachers and/or counselor.
Keep your post-high school goals in mind as you choose courses. Complete registration for senior year. Register for May and June ACT and SAT tests.
- April** Take the ACT test (state mandated) at Lyons High.
- May** Take Advanced Placement examinations, if appropriate.
Identify people that know you well and could write a letter of recommendation.
Start your college admissions essay.
- June** Take/Re-take the ACT and/or SAT tests.
- Summer** Make college visits; interview college admissions representatives and narrow your list of tentative college choices. Volunteer and/or get a job to build your resume and save for college.

SENIOR YEAR

- August** Check in on assigned day. Attend add/drop day, if necessary.
- Sept. - June** Continue to self-monitor academic progress seeking help and support when needed. Students are strongly encouraged to take a rigorous course load. Meet with counselor to begin college application process and to review summary of high school credits. Register and take/retake ACT and/or SAT I and II tests (Oct. – Dec. test dates are recommended) **Attend College Fairs and/or** meet with college admissions counselors/representatives/attend financial sessions and continue to make campus visits. If necessary, request letters of recommendation from your counselor and/or teachers who are familiar with you and your academic potential. You may also ask an employer for a recommendation letter. “Brag sheets”/ resumes are completed in your English classes. Complete and make copies. Give one to each person that is writing a recommendation letter for you.
*Student receives a detailed senior checklist to review with parents.
- December** Finalize college applications and turn them into the counseling office the first week of December if you would like them to be mailed before the winter break.
- Dec. - Jan** Attend Financial Aid Night at Longmont High School. The Local Scholarship packets will be distributed that evening. The Local Scholarship packets will be available at Lyons High the following day. Complete and file financial aid forms and applications. Submit scholarship applications according to identified deadlines.
- February** As detailed in the Local Scholarships packet, submit applications to the counseling office or to the specified organizations listed.
- April** Notify your chosen college that you will attend in the fall.
- May** Take Advanced Placement examinations, if appropriate.
Complete your senior check out.
Request a final transcript to be sent to your chosen college. This one is free!

GRADUATE!!

Honors/Advanced Placement Courses

Lyons High offers a number of honors courses. **The honor courses are weighted on a 4.5 scale.** Students must have teacher recommendation to be accepted into honors courses. Honor courses are meant to challenge and prepare students for the rigor for AP courses and beyond. **(Recommendations for honors coursework are part of the registration process.)**

**English 9 Honors
Physics Honors**

English 10 Honors

Biology Honors

Chemistry Honors

Lyons High offers the following Advanced Placement Courses*:

**AP US History
AP Government**

**AP Language & Composition
AP Literature**

**AP Biology
AP Spanish**

AP Calculus

*Advanced Placement Courses are intensive, college-level courses and examinations offered in high school. AP courses are weighted on a 5.0 scale and AP examinations are graded on a scale of 1 to 5, with 1 indicating “no recommendation” and 5 indicating “extremely well qualified.” Students who earn satisfactory grades on AP exams may be granted credit by their college or university. Students may also be eligible for AP Scholar awards.

ST. VRAIN VALLEY SCHOOL DISTRICT ACADEMIC LETTERING POLICY

St. Vrain Valley School District’s high schools award letters for academic achievement. Students may qualify for an academic letter each semester. To initially qualify for an academic letter see below. (Further qualifying semesters of academic achievement per the guidelines will result in the award of an academic bar to be worn on the letter.)

1. A student must earn a 3.75 grade point average for the semester.
2. A student must be enrolled as a full-time student and be enrolled in a minimum of three core area classes (English, Mathematics, Social Studies, Science or World Language.)
3. Courses taken on a pass/fail basis (student aiding, elementary assistants and work study will **NOT** be considered in the computation of academic lettering.
4. All Advanced Placement, International Baccalaureate and concurrent classes will be considered core area courses.
5. Credit toward an academic letter must be earned in the qualifying semester. Credit and GPA may **NOT** be carried from one semester to the next.

DEFINITION OF TERMS

Credit: Recognition that a student has fulfilled a requirement leading to high school graduation. Lyons High School students must earn a minimum of 24.5 credits in order to graduate beginning with the class of 2011.

0.5 Credit: One-half credit equals one semester (18 weeks) of successfully completed coursework.

Cumulative Grade Point Average: The average obtained by dividing the total number of grade points earned in high school by the total number of credits attempted.

Current Grade Point Average: The average obtained by dividing the total of the grade points earned during the current grading period by the total number of credits attempted during the current grading period.

Co-Valedictorians/Co-Salutatorians: Any student who graduates with a GPA above a 4.0 will be named co-valedictorian. (Modified resource grades are not considered in determining valedictorian/salutatorian status.)

Withdrawal from Class

Once classes have begun for a semester, students can only withdraw from a class without penalty **within specified times frames.**

- A student has 10 school days to withdraw from a class without the class being recorded on the student’s transcript.
- No schedule changes will be made in the last 6 weeks of a semester. All schedules are final at that point.
- Students withdrawing from classes after the first 10 days and prior to the last 6 weeks of the semester, are subject to the teacher and/or administration’s discretion as to whether they receive a No Credit (NC). The NC will appear on the student’s transcript.

Schedule Changes

Students are encouraged to make wise selections. *Adding or dropping a course will only be allowed within the first week of each semester and, students must receive approval of the counselor or an administrator; in ALL cases parent permission will be required.*

Sample FOUR YEAR PLAN

Sample Freshmen Year: Semester 1
You are not requesting a certain period, just classes.

1	Algebra I	5	Band or Choir
2	Art	6	Earth Systems
3	English 9	7	Team Games (Optional)
4	Foreign Language		

Sample Freshmen Year: Semester 2
You are not requesting a certain period, just classes.

1	Algebra I	5	Band or Choir
2	Health	6	Earth Systems
3	English 9	7	Tech I (optional)
4	Foreign Language		

Sample Sophomore Year: Semester 1
You are not requesting a certain period, just classes.

1	World Geo/Hist	5	English 10
2	Foreign Language 2	6	Geometry
3	Biology Honors	7	Band or Choir
4	Drawing 2 or Tech 2		

Sample Sophomore Year: Semester 2
You are not requesting a certain period, just classes.

1	World Geo/Hist	5	English 10
2	Foreign Language 2	6	Geometry
3	Biology Honors	7	Band or Choir
4	Drawing 2 or Tech 2		

Sample Junior Year: Semester 1
You are not requesting a certain period, just classes.

1	Team Games	5	AP US History
2	English 11	6	Chemistry Honors
3	Algebra 2	7	Foreign Language 3
4	Band or Choir		

Sample Junior Year: Semester 2
You are not requesting a certain period, just classes.

1	Team Games	5	AP US History
2	English 11	6	Chemistry Honors
3	Algebra 2	7	Foreign Language 3
4	Band or Choir		

Sample Senior Year: Semester 1
You are not requesting a certain period, just classes.

1	AP Biology	5	Band or Choir
2	Foreign Language 4	6	AP Language
3	AP Government	7	Yearbook
4	Trigonometry		

Sample Senior Year: Semester 2
You are not requesting a certain period, just classes.

1	AP Biology	5	Band or Choir
2	Foreign Language 4	6	AP Language
3	AP Government	7	Yearbook
4	Pre-Calculus		

FOUR YEAR PLAN

Freshmen Year: Semester 1
You are not requesting a certain period, just classes.

1		5	
2		6	
3		7	
4			

Freshmen Year: Semester 2
You are not requesting a certain period, just classes.

1		5	
2		6	
3		7	
4			

Sophomore Year: Semester 1
You are not requesting a certain period, just classes.

1		5	
2		6	
3		7	
4			

Sophomore Year: Semester 2
You are not requesting a certain period, just classes.

1		5	
2		6	
3		7	
4			

Junior Year: Semester 1
You are not requesting a certain period, just classes.

1		5	
2		6	
3		7	
4			

Junior Year: Semester 2
You are not requesting a certain period, just classes.

1		5	
2		6	
3		7	
4			

Sample Senior Year: Semester 1

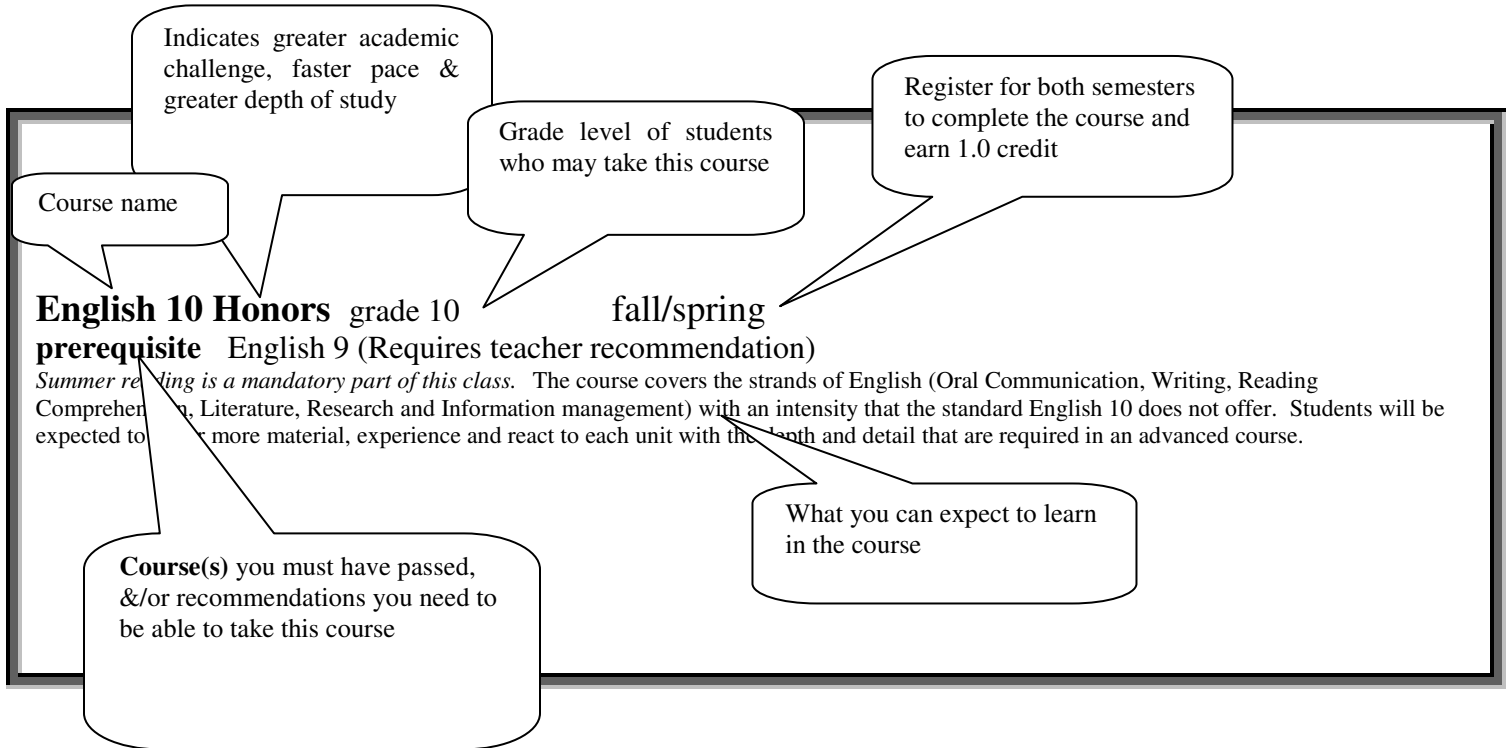
1		5	
2		6	
3		7	
4			

Sample Senior Year: Semester 2

1		5	
2		6	
3		7	
4			

How to get the information you need from Course Descriptions

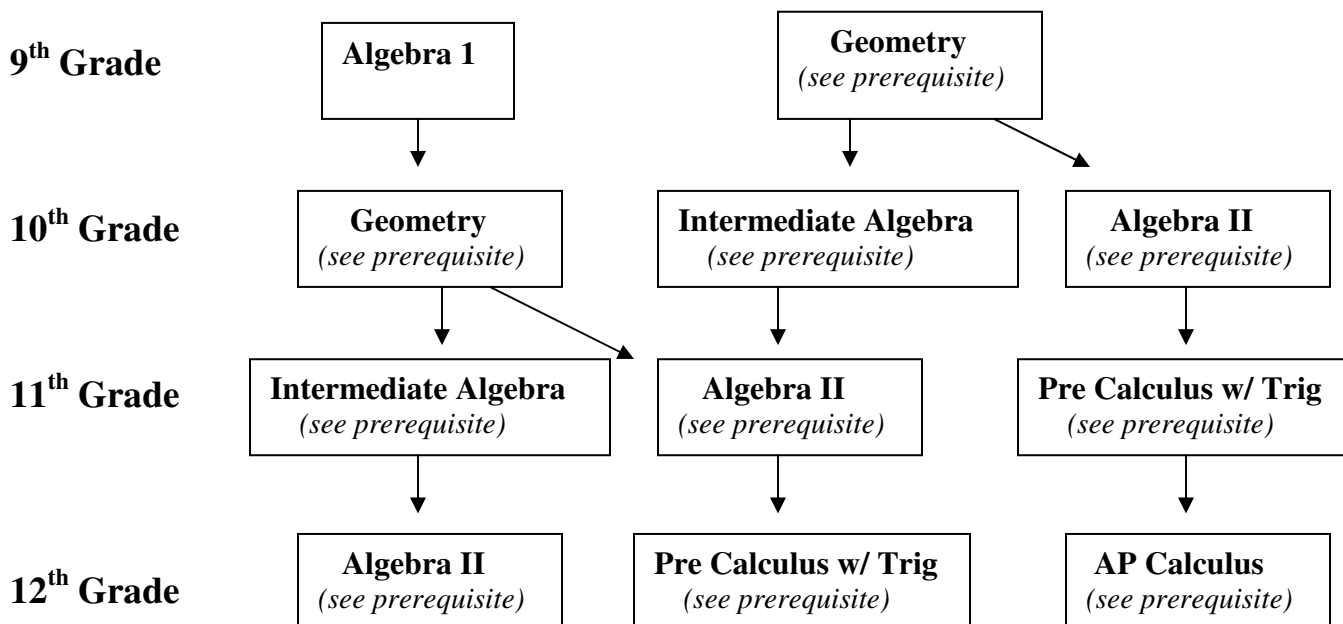
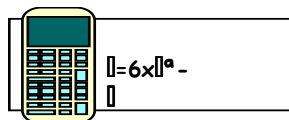
The example below shows you what each part of a course description tells you. Refer to this as you make selections. Entering the **CORRECT** information on your registration form allows us to schedule you correctly.



Course Weighting:

- * denotes an AP class which is awarded a 5.0 weighting (ie. A = 5.0, B = 4.0, C = 3.0, D = 2.0)
- ** denote an Honors class which is awarded a 4.5 weighting (ie. A = 4.5, B = 3.5, C = 2.5, D = 1.5)

Math Department



Algebra I grades 9 - 12

fall/spring

This course is designed for students who desire to learn basic algebra. Its intent is to prepare students for higher level mathematics courses. The course includes exploration of equalities and inequalities, directed numbers, exponents, functions and relations, systems of equations, graphing, factoring, data collection and analysis, geometry, measurement, and problem solving.

Geometry grades 9 - 12

fall/spring

Prerequisite: Algebra I (teacher recommendation for 9th grade)

This course is designed for students who would like to continue in a college preparatory program or wish to increase their depth of geometry knowledge and preparation for early spring CSAP testing. Algebraic concepts will be reinforced and applied in the class. Its intent is to acquaint students with geometric concepts, definitions, and conjectures. The course includes angle relationships, parallel and perpendicular lines, planes, similar and congruent triangles, circles, right triangles, basic trigonometry, coordinate geometry and proofs, areas and volumes, transformations, logic, with an emphasis on problem solving and the discovery, rather than memorization, of geometric concepts and formulas. Students will be expected to complete all assignments and perform satisfactorily on examinations. Assignments will serve as practice activities to prepare students for examinations.

Intermediate Algebra grades 10 – 12

fall/spring

Prerequisite: Algebra I & Geometry (teacher recommendation)

This course is a bridge between Algebra I/Geometry and Algebra II. Students will extend their learning through real world applications of algebraic, geometric, and statistical concepts. This course will include an in depth study of families of functions (linear, exponential, quadratic, radical, and rational), measures of central tendency, standard deviation, probability, combinations, permutations, geometric transformations, and right triangle trigonometry.

Algebra II grades 10 - 12

fall/spring

Prerequisite: Algebra I & Geometry with a grade of C- or better

This course is designed for students who desire to continue in the college preparatory sequence. Its intent is to build on the skills learned in algebra 1. The course includes solution of equations and inequalities, functions and relations, linear and quadratic systems of open sentences, polynomial functions, complex numbers, logarithms, factorials, matrixes and problem solving. Students will be expected to complete all assignments and perform satisfactorily on examinations.

Pre-Calculus with Trigonometry grades 11 - 12

fall/spring

Prerequisite: Geometry & Algebra II with a grade of C- or better

This course is a continuation of advanced topics in algebra and introduction to trigonometry. The course is meant for high-ability math student interested in furthering their math education to a higher level and is a pre-requisite for AP Calculus. Topics include families of functions and their graphs, trigonometric functions and graphs, trigonometric equations and identities, applications of trigonometry, parametric equations, conics, polar coordinates and equations, and matrices. Students will need a graphing calculator for this course.

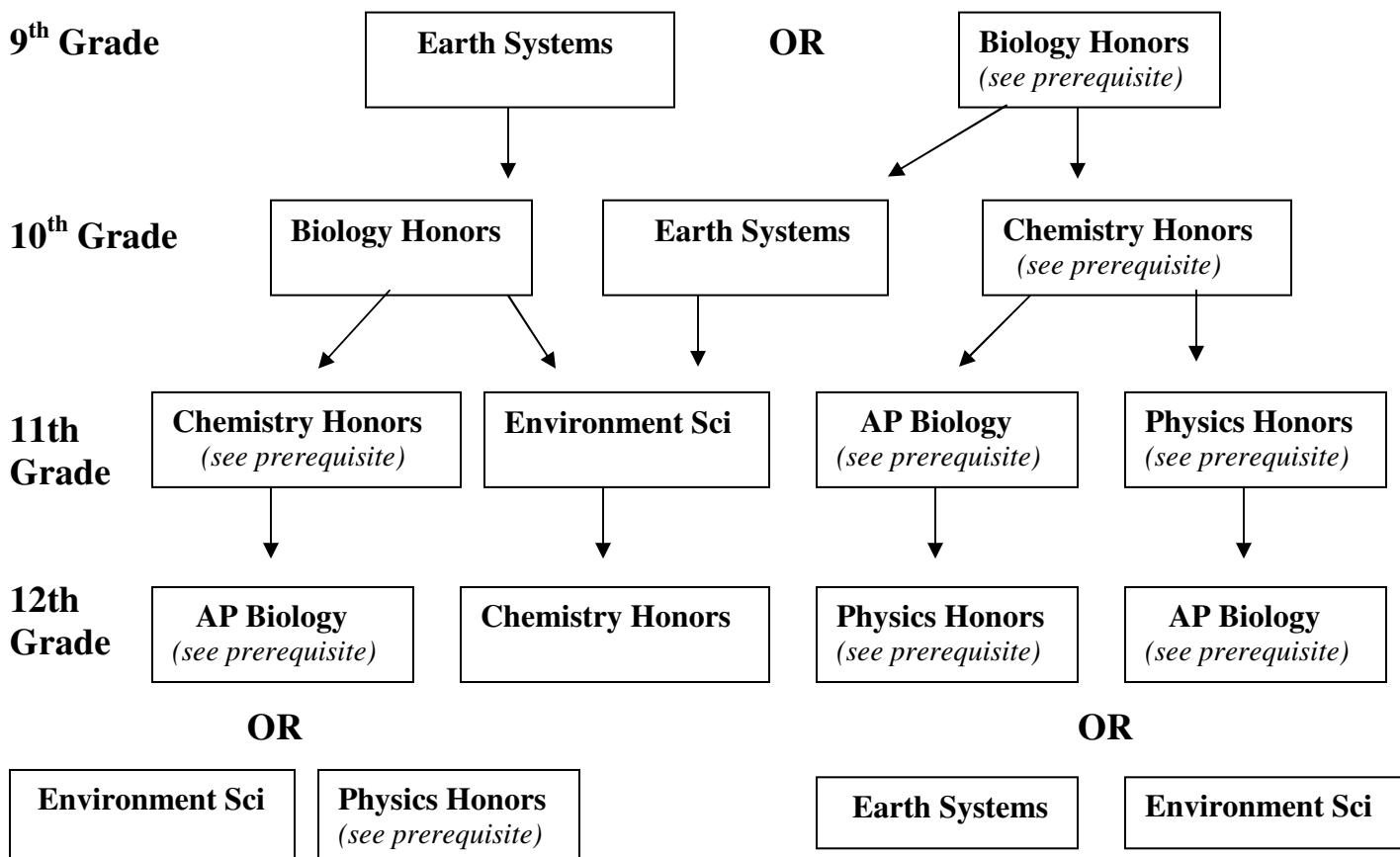
***Advanced Placement Calculus AB** grade 12

fall/spring

Prerequisite: Pre-Calculus with Trigonometry with a grade of C- or better (**Teacher recommendation** for 12th)

This course covers topics in differential and integral calculus; slope of a line, maximum and minimum; applications of definite and open integrals; area under a curve; and volume. Students will be expected to complete all assignments and perform satisfactorily on all examinations. Students must receive a passing grade first semester to continue second semester. At the end of the school year, students may elect to take the A.P. Calculus Exam which may qualify students for one semester of college calculus credit if the test is passed.

Science Department



Earth Systems grade 9 – 10+ Fee: \$10.00 fall/spring

Earth Systems Science is a freshmen level science course that explores the interactions of the various “spheres” of Earth (atmosphere, hydrosphere, geosphere, cryosphere, and biosphere) as a dynamic, evolving system. This course illustrates the relevance and impact of science in society, while engaging students in the mastery of basic geology, biology, physics and chemistry concepts that will prepare them for higher level science courses.

****Honors Biology** grade 9/10 Fee: \$10.00 fall/spring

Prerequisite: Teacher recommendation from 8th grade science teacher for freshman year

This lab based advanced course is for students who enjoy the natural sciences and are definitely college-bound. While the curriculum includes standard biological concepts, they are taught in a more advanced depth and a challenging level of understanding. Students in this class should be ready to exhibit a high level of attendance and follow-through on homework that is fitting of someone seeking a post-secondary college or university degree.

Environmental Science grades 11/12 Fee: \$10.00 fall/spring

This applied science course examines the critical environmental issues facing the 21st Century, including pollution problems, overpopulation, depletion of natural resources, and global biodiversity decline. The focus of this class is one developing scientifically-based solutions to these problems. In-class work requirements include homework from various environmental sources, quizzes on class discussions, and reports on ecological problems. Additionally, significant time is spent conducting lab investigations inside and outside the classroom on field trips and projects related to environmental issues.

****Honors Chemistry** grades 10/11/12 Fee: \$10.00 fall/spring

Prerequisite: Algebra I and completion of/or enrollment in Geometry (**Teacher recommendation**)

This course is designed for students who have an interest in science, especially the Physical Sciences. The course covers general areas of atomic structure, chemical bonding, chemical reaction and their equations, acids and bases, gas laws, reaction rates, and equilibrium. The course includes laboratory experiments, scientific processes and practical application of chemistry. Students will be expected to complete all assignments and participate in a positive manner.

***AP Biology** grade 11/12 Fee: \$10.00 fall/spring

Prerequisite: Algebra I, Geometry, Biology, and Chemistry with a grade of B or better and completion of/or enrollment in Algebra II (**Teacher recommendation**)

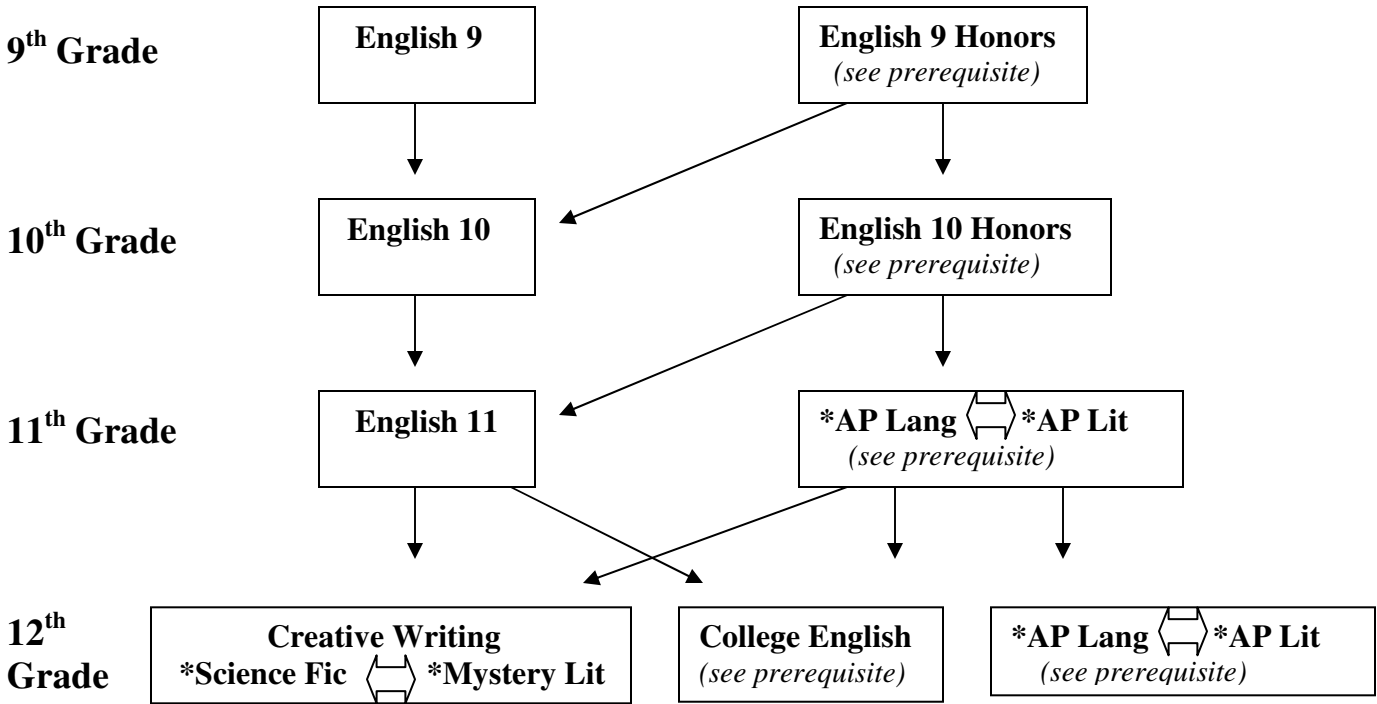
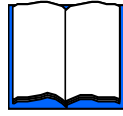
AP Biology is designed to be the equivalent of a college introductory biology course. Students in AP Biology will cover topics and concepts in three main areas of molecular and cell biology, heredity and evolution, organisms and populations. Students will develop an understanding of concepts rather than memorizing terms and technical details. Essential to the conceptual understanding are 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 and application of biological knowledge and critical thinking to environmental and social concerns. At the completion of the course, students will take the AP exam administered in the spring. Some students, as college freshmen, are permitted to undertake upper-level courses in biology or to register for courses for which biology is a prerequisite.

****Honors Physics** grades 11/12 Fee: \$10.00 fall/spring

Prerequisite: Algebra I, Geometry, and completion of/or enrollment in Algebra II (**Teacher recommendation**)

This course is designed to give students a firm basis for understanding the physical world around them. We will cover motion, forces, gravity, atoms, thermodynamics, electricity, magnetism, sound, waves, and relativity. Students will be expected to complete all assignments and participate in a positive manner in classroom activities and investigations. The mathematics used in this course will include algebra, geometry, and basic trigonometry.

English Department



* AP Lang & AP Lit will rotate years. For 2011-2012 it is AP Language.
 Creative Writing will be taught every year in 12th grade.
 *Science Fiction and Mystery Literature will also rotate. For 2011-2012 the class is Mystery Literature.

Grade Level Required Courses

English 9 grade 9 fall/spring
 This course is designed for students who have successfully completed 8th grade English. Its intent is to prepare them for the demands of high school. The course includes composition, research, various literary genres, oral communication, grammar and vocabulary. Students will be expected to complete all assignments, participate in a positive manner, and maintain a passing average.

****English 9 Honors** grade 9 fall/spring
Prerequisite: (Teacher recommendation)
Summer reading is a MANDATORY part of this class. This course is designed for students who have demonstrated advanced ability and interest in language arts. The course includes composition, research, various literary genres, oral communication, grammar and vocabulary addressed at an intensity that the standard English 9 course does not offer. Students will be expected to cover more material, experience and react to each unit with the depth and detail that are required in an advanced course.

English 10 grade 10 fall/spring
 This course is designed for sophomores as an introduction to the fundamentals of writing expected at the high school level. Its intent is to engage students in activities and assignments that foster skill development in the areas of grammar, punctuation, vocabulary building, sentence structure, essay writing, reading comprehension, and the research process. In addition, students will be introduced to the basics of oral communication, preparing and delivering a research-based speech.

****English 10 Honors** grade 10 fall/spring

Prerequisite: English 9 (Teacher recommendation)

Summer reading is a MANDATORY part of this class. The course covers the strands of English (Oral Communication, Writing, Reading Comprehension, Literature, Research and Information management) with an intensity that the standard English 10 does not offer. Students will be expected to cover more material, experience and react to each unit with the depth and detail that are required in an advanced course.

English 11 grade 11 fall/spring

This course is designed to provide an introductory experience with American Literature. Its intent is to acquaint students with some of the major American writers and selected literary pieces while placing them within an historical framework. In addition, students will work to improve their existing writing skills through vocabulary development, grammar usage, the research process and various forms of essay writing. Students will be expected to participate in class activities and discussions and to complete all reading and writing assignments.

English Department Elective Courses

***Advanced Placement (AP) Language/Composition** grade 11/12 fall/spring

Prerequisite: (Teacher recommendation)

Summer reading is a MANDATORY part of this class. Advanced Placement Language and Composition provides a challenging environment for the advanced student through rhetorical analysis and how writers construct meaning. Students will apply critical reading skills mainly non-fiction prose such as essays, speeches, and documents across the disciplines. Students will apply their understanding in mostly analytical and persuasive writing. **Students will qualify to sit for the English AP examination and possible college credit.**

College English grade 12 fall/spring

Prerequisite: (Teacher recommendation)

This course is designed for college-bound seniors who desire an intense literature and writing class as a preparatory program for freshman English in college, but who do not feel ready to meet the academic demands of AP English. Only highly motivated seniors who have achieved average or above average proficiency in literary analysis and composition during their junior year should enroll. Students will study significant literary works by American and British authors as well as authors from other countries. Writing improvement, research techniques and vocabulary development will also be important aspects of the class. Students will be expected to complete reading and writing assignments and contribute to classroom activities.

Mystery Literature grades 11-12

This course offers an overview of the mystery suspense genre and includes reading and viewing associated literature and film. Focus is on themes and ideas that help define mystery and suspense as a genre. Grades reflect oral and written assignments, attendance and participation, and behavior.

Creative Writing grades 12

This course offers juniors and seniors the opportunity to develop and refine their writing skills in a variety of literary genres including poetry, fiction, drama and creative nonfiction. The course focuses on having students construct meaning and explore ideas through their own writing and the writing of others. Some writing assignments include narrative, description, poetry, and advertisements. Students will be expected to write an extended project of his/her choice and each student will compile a portfolio of the semester's work.

Social Studies Department



School Year	9 th Grade	10 th Grade	11 th Grade	12 Grade
2011 - 2012	½ W Geo/W Hist	W Geo/W Hist	US Hist/AP Hist	US Gov/AP Gov
2012 - 2013	W Geo/W Hist	½ W Geo/W Hist US Hist/AP Hist	US Hist/AP Hist	US Gov/AP Gov
2013 – 2014	W Geo/W Hist	US Hist/AP Hist	US Gov/AP Gov	

**Social Studies classes are being phased into different grade levels. For the 2011-2012 school year, part of the 9th grade class and all of the 10th grade class will take World Geography/World History. In 2012-2013 the whole 9th grade class and the remainder of the 10th grade class from the previous year will take World Geography/World History, with the half that took World Geography/World History the previous year and 11th grade taking US History or AP US History. In 2013-2014 all of 9th grade will take World Studies, all of 10th will take US Hist or AP US History, and 11th grade will take US Government or AP Government.*

World Geography/World History grade 9/10 fall/spring

Partial 9th grade class taking this course 2011-12, remainder taking 2012-13. This course blends elements of World History and World Geography to provide students with a knowledge base for regions of the world and eras of world history. Along with physical geography and history of the region, economic, political, social, and cultural aspects of human activity are studied. The themes of geography and history are used to explore and analyze the past and relate historical events to present global issues. The course uses basic skills such as map reading, information collection, analysis and presentation, and knowledge of historical and geographic terms.

US History grade 11 fall/spring

This is a study of the historical growth of the United States with an emphasis on the 20th century to the present. Its intent is to help students gain an understanding of the major political, economic, and social events that have shaped the nation. Such major themes as Imperialism, World Wars, the US role in World Economics and world culture are covered.

***AP US History** grade 11 fall/spring

Prerequisite: (Teacher recommendation)

Some introductory reading will be expected over summer. AP US History (1492 – present) is a challenging college-level course (rather than college-*prep*) and has the obvious goal of preparing students for the AP exam in May. This course surveys American history from the age of exploration and discovery to the present. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study are necessary to succeed. Emphasis is placed on critical and evaluative thinking skills, essay writing, interpretations of original documents and historiographies, and seminar discussions/debates.

US Government/Colorado Government grade 12 fall/spring

This required course is designed to prepare students for their involvement in local, state and national issues, and the rights and responsibilities of citizenship. The focus of the class will be current events as they relate to the past and how students can influence the future. Analysis of primary sources and supreme court cases, as well as, discussion and expression of ideas will be used to meet the course objectives.

***AP US Government** grade 12 fall/spring

Prerequisite: (Teacher recommendation)

Some introductory reading will be expected over summer. AP Government is intended to offer an extension of the existing Social Studies offerings. The primary focus of the curriculum is the structure and function of the US Government although foreign and local governments will be analyzed as well. This should be seen as a college-level course (rather than college-*prep*) and has the obvious goal of preparing students for the AP exam in May. Although class discussion, debates, and simulations will make up a large part of the course experience, assessments will also include essay questions and multiple choice tests over each unit.

Health



(REQUIRED) grade 9

fall or spring

This required course is designed to provide essential learning in the areas of health. The expectation is that the coursework will help in making informed decisions in regard to behaviors which affect various aspects of health and well-being. The major unit topics to be covered include Physical and Mental Wellness, Understanding Sexuality (as outlined by the Board of Education Policy), Destructive Behaviors and Addictions, and Safety and Well-Being.

Fine Arts Department



Art

Ceramics grades 9 - 12 \$25 supply fee

This course will provide a study of ceramics using stoneware clay. Techniques may include, pinch, coil, slab, wheel, throwing and glazing. Students will be encouraged to create original designs while producing functional and/or sculptural forms.

Drawing & Painting grades 9 – 12 \$25 supply fee

This course focuses on realistic drawings with understanding of the mechanics of light, shadow and proportion. This approach allows beginning students to develop technical and compositional skills to make drastic improvement in their drawing abilities and more experienced artist to refine their skills. Mediums covered may include: graphite, charcoal, pen & ink, color pencil. Students will also explore basic painting techniques including: color theory, color wheel, value scales, use of brushes, preparing canvas, paint application, teacher directed painting and additional projects. Several paintings will be completed over the semester.

Digital Photography grades 9 - 12 \$25 supply fee

Students will not only learn how to take outstanding photographs, but also learn to edit and manipulate photos with Photoshop. A 35mm digital camera is required for this class. The reading for this course is often technical; therefore, better than average reading skills are recommended. Students will be held responsible to complete their work by the deadlines without instructor supervision.

Instrumental Music

Concert Band grades 9 – 12 \$15 Uniform Fee fall/spring



This course is designed for students who have attained a minimum level of proficiency on a band instrument as determined by the director. Its intent is to develop performance skills through concert band, pep band, and marching band so that students may in turn develop a higher appreciation for instrumental music. This course is also intended to enhance students' character traits, with emphasis placed on personal responsibility and teamwork. Students are required to participate in all scheduled performances in and out of school, such as concerts, pep band performances, parades, and contests.

Jazz Band grades 9 - 12

fall/spring

Prerequisites: membership in concert band, jazz band audition required (**Teacher recommendation**)

This course is open to all students who have experience on jazz or blues related instruments, and membership is limited to the instrumentation of standard jazz big-band. This course emphasizes the development of rhythmic and counting skills as well as understanding of music/jazz theory. Students will learn how to improvise, a skill unique to jazz performance. Members of Jazz Band will be expected to practice regularly at home, as the Jazz Band is considered one of the elite ensembles of the music program.

Vocal Music



Mixed Choir grades 9 - 12

fall/spring

Concert choir is a mixed men's and women's choral ensemble that teaches and promotes vocal music through rehearsal and performance. Integration of music theory, listening skills, performance evaluation, and exposure to a wide variety of music also emphasized. Students are required to participate in all scheduled performances in and out of school (possible required travel). Performance outfit required. Students must enroll in both fall and spring semesters.

Select Choir grades 9 - 12

fall/spring

Prerequisite: audition (**Teacher recommendation**)

Show choir integrates both singing and dancing into performance, perfecting show numbers for concerts, contests and festivals throughout the year. Students are expected to maintain a high level of quality vocal technique while performing choreography and dramatic elements. Performance outfit required. Students are required to participate in all scheduled performances in and out of school (some required travel). Students must enroll for both fall and spring semesters. This is a mixed choir with equal numbers of men and women.

Music Elective

History of Rock & Roll grades 9 - 12

This course will be an intensive study of the development of Rock & Roll music from its roots in early rhythm and blues through present-day popular music. Students will gain knowledge by reading from the textbook, taking notes during lectures, doing independent research, and listening to music recordings. Video documentaries will be used occasionally to supplement textbook readings. A large part of the final grade will be the completion of several large projects in addition to a final exam. Students should be prepared to work outside of class as well as submit typed papers as requested.

Foreign Language Department



Spanish I grades 9 – 12

\$10 workbook fee

fall/spring

Prerequisite: Enthusiasm!

Fee: For workbook & related materials to be determined.

This course is designed for students who desire an introduction to a second language and to a culture different than the students own culture. The intent is to expose students to the four basic language skills: listening, speaking, reading, and writing. Students will also focus on cultural understanding (comparing and contrasting Hispanic cultures with theirs). By the year end, students will be able to discuss: family life, hobbies, sports, their classes, (ordering) food and other basic events in daily life.

Spanish II grades 9 – 12

\$10 workbook fee

fall/spring

Prerequisite: Spanish I, minimum cumulative grade of a C or better

Fee: For workbook & related materials to be determined.

For students who have completed Spanish I, this course reinforces the basic language skills and further develops the student's ability to communicate in a second language. Using more complex patterns of communication, the student will be able to talk and write about his/her childhood, tell stories in the past, make purchases while shopping, discuss daily routines in addition to continuing to learn about cultural similarities and differences.

(*9th grade students who have completed the Middle School Spanish class successfully and passed a competency examination may be admitted to Spanish II. These students who progress to Spanish III and Spanish IV will have the grade level restriction waived.)

Spanish III grades 10 - 12 \$10 workbook fee fall/spring

Prerequisite: Spanish II, minimum cumulative grade of a C or better

Fee: For workbook & related materials to be determined.

This course provides opportunities to synthesize their previous knowledge within the five strands: listening, reading, writing, speaking, and culture. The five strands are refined as the student becomes more involved in literature, art, music, and Latin American and Spanish history. Spanish is the primary language of the classroom with students communicating solely in the second language so that they can succeed in everyday situations. By the end of the year, students will be able to talk about important ideas that affect them, their society and their world. Some of the topics discussed include art, the media, ancient civilizations and their role in the community.

***AP Spanish** grade 11 – 12 fee based on materials fall/spring

Prerequisite: Spanish IV, minimum cumulative grade of a B- or better (**Teacher recommendation**)

Fee: For workbook & related materials to be determined.

A.P. Spanish is a college-level course and provides motivated students with a wide variety of opportunities to develop advanced Spanish language skills. While students are exposed to the literature, history and the culture of the Spanish-speaking world, emphasis is placed on developing proficiency in self-expression, communication and critical thinking. Students will read a variety of short stories, literary excerpts, listen to recorded stories, watch movies, participate in discussions, role play, storytelling and perform a number of writing tasks. *Summer reading and/or a summer project is a mandatory part of this class. Students must receive a passing grade first semester to continue in the second semester. This course specifically prepares students for the A.P. Spanish Language Examination, given in May. Students will qualify to sit for the A.P. Spanish Language Examination and possible college credit.*

French I grades 9 – 12 \$17 workbook fee fall/spring

Prerequisite: enthusiasm for taking on the challenge of a foreign language

This course is designed for students who desire an introduction to a second language and culture. Its intent is to expose students to the four basic language skills: listening, speaking, reading, and writing, with instructional emphasis on conversation. Students will learn basic vocabulary words, sentence structure and grammar associated with speaking French which includes; weather, dates, time, numbers, food, parts of the body, colors, clothing, family, and travel. By the end of the year, students will be able to ask and answer basic formulaic questions and communicate about themselves, their likes and dislikes. Students will also be exposed to French cuisine.

French II grades 10 – 12 \$17 workbook fee fall/spring

Prerequisite: grade of C or better in French I

For students who have successfully completed French I, this course reinforces the basic language skills and further develops the student's ability to communicate in a foreign language. Students are expected to know the 3 most common regular present tense verb endings and other grammatical structures. Students will expand their knowledge of previous topics covered in French I. Students are expected to communicate and participate in listening, speaking, reading and writing about life in a French-speaking country. Students will build upon previous knowledge in order to expand their language skills to include past and future tenses. They will learn more about France and other French-speaking countries. Students will also be exposed to French cuisine.

French III grades 11 – 12 \$17 workbook fee fall/spring

Prerequisite: grade of C or better in French II

French III has an increased emphasis in reading and writing. Strong reading skills are desired. Students continue to expand their understanding and proficiency in the French language and its cultural aspects. There is an increased emphasis on ability to narrate past tense events, conditional verb tenses, grammar and reading. Students will expand their vocabulary knowledge of leisure activities, cultural events, social groups, French social customs and French media. They will read a couple of authentic short stories in French and learn more detailed information about France and other French-speaking countries in North and West Africa. Students will also be exposed to French cuisine.



Physical Education Department

Iron Works grades 9 - 12

This course replaces weight training and is designed for students desiring to become more proficient and adept at increasing their strength, speed, endurance, and flexibility through resistance training. Self- testing and evaluations will be made, along with goal setting procedures.

Team Games grades 9 – 12

This course replaces team sports and is for students desiring participation in and knowledge of team sports. Different activities are taught each semester. Activities include flag football, soccer, basketball, international handball, volleyball, floor hockey, softball, and indoor soccer.

Personal Fitness grades 9-12

This course is designed for students interested in increasing their aerobic, strength, and overall fitness levels. Topics of study may include but are not limited to: exercise options, nutrition, body image, muscle groups and effective exercise programs. Activities may include but are not limited to: step aerobics, kick-boxing, pilates, yoga, running/jogging, circuit training, weight training, jump rope, plyometrics, and games which require cardiovascular fitness/strength.



Technology Department

Tech I grades 9 - 12

This course provides concrete, hands-on, laboratory-based experiences involving material and equipment designed to help make technology understandable. Students will have an opportunity to study: Robotics and Automation, Transportation Systems, Alternate Energy Systems, Architectural Design, Environmental Technology, Manufacturing, Multi Media and Material Science. In addition students will develop application skills in MS Word, Excel and Powerpoint.

Tech II grades 9 - 12

This course is a continuation of Tech I, allowing students to extend their exploration and understanding of tech applications. Students will have the opportunity to study, Robotics and Automation, Transportation Systems, Alternate Energy Systems, Architectural Design, Environmental Technology and Material Science. In addition, students will develop application skills in MS Word, Excel and Powerpoint.

Tech III grades 10 - 12

Students in the Technology 3 course will gain experience in various software applications used in higher education and the workplace. Students will become proficient in the use of the Microsoft Office suite of products including Word, Excel, Powerpoint, Access and Publisher. In addition, students will learn to create projects for print and web using Photoshop, Illustrator, In-Design, Dream Weaver and Acrobat. Students will learn to use on-line documents and presentations through the use of Google Docs. Students will be introduced to multi-media production through the use of i-movie, Final Cut, and Garage Band.

Multi-Media grades 10 – 12

Prerequisite: (Teacher recommendation)

Students in the multimedia and video Production course will gain experience in pre and post production of video and multimedia presentations. Students will become proficient in the use of video cameras and lighting techniques, story boarding, and production software including i-movie, Final Cut Express, Photoshop, Illustrator, Aftershow. All students will be given the opportunity to participate in every aspect of the production both in front of and behind the camera and in post production. As a class we will be producing the Lyons Video Announcements.

Miscellaneous Electives

Personal Finance grades 9 – 12

Would you like to develop consumer decision-making skills? This course surveys the basic personal financial needs of most individuals. Topics covered include the basics of budgeting and buying, saving and borrowing money, the intricacies of home ownership, income tax and investments, and the wise use of insurance, wills and trusts.

Yearbook grades 10 - 12

fall/spring

Prerequisite: (Teacher recommendation)

This course is designed for students who have a sensitivity to effective communication through both visual and verbal creativity, and who, therefore, have a desire to serve on the yearbook staff. Its intent is to give students the experience of planning, financing, and publishing a yearbook. The course includes all aspects of yearbook publication, such as selling advertisements, writing copy, photographing, designing, and page layout using computer technology. Students are expected to participate in all phases of yearbook production and to contribute in a positive manner to the group effort.

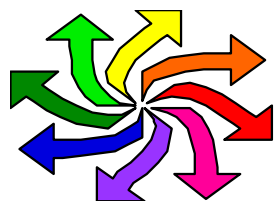
Teacher/Office Aiding grades 9 - 12

Assisting teachers for an hour per day is always an alternative way for students to earn credit. Student aides receive .25 credit per semester due to the fact that aiding is not as rigorous as a regular academic class.

Work Study grade 12

Prerequisite: Parental, work supervisor, and counselor approval

Earn credit while you work. To be eligible, students must be seniors (any exception requires principal approval). Students are required to sign a contract stating they work at least 15 hours per week per semester, and that they will turn in quarterly evaluations from their employer in a timely manner in order to receive credit.



Note: The following pages present information about ways to extend learning; read on...

Other Opportunities

Each option has specific requirements & time lines...

2011-2012
CAREER DEVELOPMENT CENTER
CDC COURSE DESCRIPTIONS

HOW TO APPLY

The best advice we can give is to contact your high school counselor and tell them you would like to enroll in a CDC program. Complete an application available at registration or found at <http://cdc.stvrain.k12.co.us/CDCApplication.pdf> They will instruct you to include the course number in your registration packet. Make sure to reserve your spot as early as possible as they tend to fill up quickly. If you do not have a home high school, please contact our counseling secretary, at 720-494-3964.

WHEN REGISTERING FOR HIGH SCHOOL CLASSES, INCLUDE THE COURSE NUMBER FOR THE CDC CLASS YOU WISH TO TAKE.

Most courses at CDC are one block in length, and meet every day. CDC Business Careers classes meet on alternating days (Day A or Day B). Advanced Auto Tech classes are two periods long in the afternoon.

Our periods are on a four-block schedule.

Block 1 7:45-9:00

Block 2 9:25-10:40

Block 3 11:20-12:35

Block 4 12:50-2:05

Block 7 Co-op Ed and other Alternative schedules

CDC Business Careers classes meet on alternating days; Day 1 classes are designated as A1, A2, A3, or A4; Day 2 classes are designated as B5, B6, B7 or B8.

TRANSPORTATION

Bus transportation is provided between CDC and all district high schools. Availability of transportation for any given class time varies from school to school. Please check with your Counseling office for the appropriate CDC bus schedule.

PREVIEW AVAILABLE

CDC courses can be very challenging. Some materials used in CDC classes are chosen because they are used in industry. Students who do not read at grade level or who can not do math at grade level may consider visiting the class or previewing the course textbook to make sure they will be successful completing each course. *All materials can be previewed by applicants prior to enrollment.*

TUITION

There is no tuition charged for students who attend one of the St. Vrain Valley School District high schools, who have not completed credit for a high school diploma, and who are under the age of twenty-one. Students attending private schools, home schools and out-of-district schools will also be admitted on a space available basis. Students who do not attend a home high school or who attend school outside SVVSD may or may not be required to pay tuition. Credits and grades earned at CDC are part of the student's home high school record and transcript. CDC credits apply towards graduation requirements and preparation for advanced schooling. ALL PROGRAMS WELCOME AND ENCOURAGE STUDENTS OF BOTH SEXES TO APPLY.

ENGLISH CREDIT

Due to budget cuts and low enrollment history, English credit will not be offered at CDC during the 2009-10 school year.

COLORADO COMMUNITY COLLEGE CREDIT. In selected CDC programs, students may earn credits which may be applied to related Associate of Applied Science degrees at Colorado Community Colleges. Course descriptions specify which CDC courses may articulate.

Career Development Center - priority application deadline is April 26th

1st Sem	2nd Sem		Career Development Center	Class Schedule	2011-12
Course #	Course #	Class	Prerequisite	Class Times	Offered
		Agri Science & Technology			
CTE 9301A	CTE 9301B	Intro to Agri Science & Technology	9th-11th grade	Blocks 3/7 or 4/8	all year
CTE 9311A	CTE 9311B	Advanced Agri Science and Technology	Intro to Agri Science	Block 1/5	all year
CTE 9324A	CTE 9324B	Animal Science	Intro to Agri Science	Block 2/6 or 3/7	all year
CTE 9315A	CTE 9315B	AgriBusiness	Intro to Agri Science	Block 4/8	all year
CTE 9325A	CTE 9325B	Equine Science	Intro to Agri Science	Block 2/6	all year
		Auto Technology			
CTE 9801	xxxx	Beginning Auto Technology	10th-12th grade/separate application	Block 1/5 or 2/6	one sem

CTE 9811	CTE 9811	Basic Electrical	Begin Auto Tech & teacher approval	Block 2/6, Sem 1; Block 1/5 or 2/6, Sem 2,	one sem
CTE 9821	CTE 9821	Engine Performance--extended class	Basic Electrical and Susp & Align	Combined blocks 3/7 & 4/8	one sem
CTE 9825	CTE 9825	Engine Repair--extended class	Basic Electrical and Susp & Align	Combined blocks 3/7 & 4/8	one sem
xxxx	CTE 9815	Suspension and Alignment	Begin Auto Tech & teacher approval	Blocks 1/5 or 2/6, Sem 2	one sem
		Building Trades			
CTE 9831A	CTE 9831B	Building Trades 1	10th-12th grade	Blocks 1/5, 2/6, 3/7 & 4/8	all year
CTE 9841 A	CTE 9841 B	Building Trades 2	Building Trades 1	Blocks 1/5, 2/6, 3/7 & 4/8	all year
		Business Careers	ALL BUSINESS CLASSES ARE EVERY	OTHER DAY ALL YEAR LONG; DAY 1 =	A DAY;
CTE 9003A	CTE 9003B	Accounting 1	10th-12th grade	Block 8, B-Day ONLY	all year
CTE 9053A	CTE 9053B	Personal Finance	9th-12th grade	Block 7, B-Day ONLY	all year
CTE 9056A	CTE 9056B	Starting Your Own Business	10th-12th grade	Blocks 5 or 6, B-Day ONLY	all year
		Cosmetology			
CTE 9601A	CTE 9601B	Hairstyling	12th grade/separate application	1:00-5:00 p.m. Everyday and 2 summers	all year
CTE 9611A	CTE 9611B	Manicuring	12th grade/separate application	1:00-5:00 p.m. Everyday and 2 summers	all year
		Culinary Arts			
CTE 9661A	CTE 9661B	Culinary Arts/ Chef Training 1	10th-12th grade	Blocks 1/5, 2/6, 3/7	all year
CTE 9671A	CTE 9671B	Culinary Arts/ Chef Training 2	Culinary Arts 1	Blocks 1/5, 2/6, 3/7	all year
CTE 9679A	CTE 9679B	Culinary Arts/ Chef Training 3	Culinary Arts 2	Blocks 1/5, 2/6, 3/7	all year
		Dental Aide			
CTE 9501A	CTE 9501B	Dental Assisting 1	11th-12th grade	Blocks 1/5 or 3/7	all year
CTE 9511A	CTE 9511B	Dental Assisting 2	Dental 1 or concurrent enrollment in Den. 1	Blocks 2/6 or 4/8	all year
		Early Childhood Education			
CTE 9631A	CTE 9631B	Early Childhood Education 1	10th-12th grade	Blocks 1/5, 2/6 or 4/8	all year
CTE 9641A	CTE 9641B	Early Childhood Education 2	11th-12th grade	Blocks 1/5, 2/6 or 4/8	all year
CTE 9651A	CTE 9651B	Early Childhood Education 3	11th-12th grade	Blocks 1/5, 2/6 or 4/8	all year
		Engineering Technology			
CTE 9721A	CTE 9721B	Engineering Technology 1	10th-12th grade	Blocks 1/5, 2/6, 3/7 & 4/8	all year
CTE 9731A	CTE 9731B	Engineering Technology 2	Engineering Tech 1	Blocks 1/5, 2/6, 3/7 & 4/8	all year
CTE 9735A	CTE 9735B	Engineering Tech Ind Study	Instructor approval	Blocks 1/5, 2/6, 3/7 & 4/8	all year

		Health Careers			
CTE 9541A	CTE 9541B	Med Prep	10th-12th grade; Immunization Records	Blocks 1/5 or 2/6	all year
CTE 9531	CTE 9531	Nursing Assisstant	16 yrs old, 11th-12th grade, SSN	Block 3/7 or 4/8	one sem
CTE 9521	CTE 9521	Emergency Response	10th-12th grade	Block 3/7 or 4/8	one sem
		Multimedia Technology			
CTE 9025A	CTE 9025B	Intro to Multimedia and Photoshop 1	10th-12th grade	Block 1/5	all year
CTE 9026A	CTE 9026B	Digital Video Editing I	Intro to Multimedia and Photoshop I	Block 2/6	all year
CTE 9027A	CTE 9027B	Multimedia Projects	Instructor approval	Block 1/5 or 2/6	all year
		Plant & Environmental Technology			
CTE 9341A	CTE 9341B	Floral Design 1	10th-12th grade	Block 1/5 or 2/6	all year
CTE 9343A	CTE 9343B	Floral Design 2	Floral Design 1	Block 1/5 or 2/6	all year
CTE 9351A	CTE 9351B	Greenhouse 1 (Basic Horticulture)	10th-12th grade	Block 3/7 or 4/8	all year
CTE 9353A	CTE 9353B	Greenhouse 2 (Intermediate Horticulture)	Greenhouse 1	Block 3/7 or 4/8	all year
		Printing Trades			
CTE 9861A	CTE 9861B	Printing Trades 1	10th-12th grade	Blocks 1/5, 2/6, 3/7 & 4/8	all year
CTE 9871A	CTE 9871B	Printing Trades 2	Printing Trades 1	Blocks 1/5, 2/6, 3/7 & 4/8	all year
CTE 9881A	CTE 9881B	Printing Trades 3	Printing Trades 1& 2	Blocks 1/5, 2/6, 3/7 & 4/8	all year
		Welding Trades and Fabrication			
CTE 9901A	CTE 9901B	Welding 1	10th-12th grade	Blocks 1/5, 2/6, 3/7 & 4/8	all year
CTE 9911A	CTE 9911B	Welding 2	Welding 1	Blocks 1/5, 2/6, 3/7 & 4/8	all year
CTE 9921A	CTE 9921B	Welding 3	Welding 1 & 2	Blocks 1/5, 2/6, 3/7 & 4/8	all year

PSEO: Post Secondary Enrollment Options - College & High School Credit

Juniors & Seniors:

Students interested in concurrent classes must contact Ms. Rominger, counselor for further information. PSEO applications are required for EACH SEMESTER. *Students are expected to pay tuition and fees for their classes, and will be reimbursed for TUITION ONLY upon successful completion (earning a grade of "C" or higher).* Ms. Rominger will provide detailed information about these opportunities in classroom presentations. *Students need to listen to announcements and check the newsletter for deadlines.*

Qualifying juniors and seniors may elect to take two classes per semester in which they may receive both high school and college credit concurrently. There are several options to choose from...

Direct enrollment at the University of Colorado at Boulder

Direct enrollment at Front Range Community College

Qualifying students may elect to apply to enroll in classes at either of these higher learning institutions. **The District will only approve classes that are not available at Lyons.** Students will receive both high school and college credit. Students register at the appropriate institution. Students furnish their own transportation and pay for parking (as applicable). Some courses are weighted, this depends on course title/content and rigor. Weighted designation is prescribed by the district regulations.

Colorado On-Line Learning Options *Counselor approval is required.*

Current district policy states that students may take a maximum of 2.0 credits on-line during a high school career. St. Vrain Valley has joined a consortium of several school districts in offering qualifying students the chance to take courses over the Internet. These classes require rigorous academic work and the maturity to be an independent learner. See Ms. Rominger to discuss details. ***Students and parents are required to pay the tuition with no reimbursement available.***

BYU On-Line

Currently accepted on-line credit: BYU Independent Study **elearn.byu.edu** (or get a catalog from the counselor) OR Colorado On-Line Learning **www.col.k12.co.us**

**If you need to make-up courses, please see the counselor to get options including e-credit recovery (grades 11 or 12), SAM (grade 12 only).*