

2007-2008
MONARCH HIGH SCHOOL
Course Description Guide



Monarch High School Mission Statement:

Monarch High School focuses on the education of all students to prepare them to take their place in a technologically driven world. The dynamic curricular and extracurricular programs promote student involvement, academic excellence, independent thinking, and creative expression. The staff and students foster respect for diversity and nurture a sense of ownership and belonging. The MHS faculty and students encourage social and emotional development of individuals and expect individuals to assume responsibility for their learning and behavior.

Administrators

Barbara Spelman, Principal
Drew Adams, Assistant Principal
Mark Sibley, Assistant Principal, Athletic Director
Julie Wheeler, Assistant Principal

Counselors

Larry Akiyama
Janice Dempsey
Mary Power
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<http://davinci.moh.bvsd.k12.co.us/mhs/>

**Monarch High School
Course Description Guide
Table of Contents**

Graduation Requirements	1
Grade Point Average	4
College Preparation	5
College Entrance Tests	6
NCAA Approved Courses	6
Alternative Programs	7
Advanced Placement Program	8
Course Selection	9
Guide to Course Selection	10
Freshman Course Planner	11
Programs of Study	
Language Arts (<i>English, Speech, Theater, Journalism</i>)	12
Science	16
World Languages (<i>3rd Level = Humanities Credit</i>)	18
Social Studies	19
Physical Education	21
Health Education	22
Mathematics	22
Art (<i>Humanities & Fine Arts Credit</i>)	25
Music (<i>Humanities & Fine Arts Credit</i>)	28
Consumer and Family Studies (<i>Practical Experience Credit</i>)	30
Business Education (<i>Practical Experience Credit</i>)	31
Computer Science (<i>Practical Experience Credit</i>)	32
Design and Engineering Technology (<i>Practical Experience Credit</i>)	33
Other Credit Options	34
Technical Education Center (TEC) (<i>Practical Experience Credit</i>)	35

BOULDER VALLEY SCHOOL DISTRICT GRADUATION REQUIREMENTS 2010 COLORADO COMMISSION OF HIGHER EDUCATION REQUIREMENTS 2010

The Boulder Valley School District requires that a minimum of 220 credit hours be earned for graduation; the CCHE requires a minimum of 18 academic units to fulfill admissions requirements.

BVSD

Beginning with the class of 2010, 220 credit hours must be earned in the areas listed below. Ten credits are equivalent to one full year of credit in a specific subject.

Language Arts. 40 credits in grades 9-12
10 in Language Arts 9
10 in World Literature & Composition, grade 10
10 in American Literature & Composition, grade 11
5 in language arts elective courses, 9-12
5 in communication courses, grades 9-12

Social Studies. 30 credits in grades 9-12
5 in US Government in grade 9
5 in World Geography in grades 9-10
10 in World History in grade 10
10 in US History in grade 11

Math. 20 credits in grades 9-12
10 credits of which must include Algebra I or higher level mathematics

Science. 20 credits in grades 9-12
10 credits in courses designated as Life Sciences
10 credits in courses designated as Physical Sciences

Physical Education. 15 credits in grades 9-12
5 in Comprehensive P.E., grade 9
10 in elective P.E. courses, grades 9-12, balanced between individual fitness and team sports.

Health. 5 credits in grades 9-10

Fine Arts. 5 credits in grades 9-12 (includes music or art).

Second Language Acquisition. 10 credits in a World Language, Level 2 or higher; or, for ELL students, ESL Level 2 or higher.

Practical Experiences. 5 credits in grades 9-12
5 credits in Computer Science or Applied Technology (may be fulfilled in middle level); if Computer Science or Applied Technology requirement is fulfilled at middle level, then 5 credits in Business, Consumer & Family Studies, or other Career & Technology education course is required.

-AND-

To meet this requirement, all students must also demonstrate evidence of completion of a 12 hour course in Money Management & Personal Finance in grades 7-12 or through a qualified district course.

Colorado Commission of Higher Education Requirements 2010 and Beyond

Beginning with the class of 2010, 18 academic units are required for admissions. An academic unit is equivalent to one full year of credit in a specific subject.

Language Arts. 4 units
Acceptable: World Literature & Composition, American Literature & Composition, Speech, Debate, Honors Courses, Advanced Placement, and/or International Baccalaureate Courses
Not Acceptable: Business English, ESL English, Yearbook, Drama, and Journalism.

Social Science. 3 units including 1 unit in U.S. History and/or World Civilization
Acceptable: U.S. History, World Civilization, State and/or International History, Civics, Principles of Democracy, Geography, Economics, Psychology, Sociology, Honors Courses, Advanced Placement, and/or International Baccalaureate Courses
Not Acceptable: Family Living, Marriage and Family, and Consumer Education.

Mathematics. 4 units; Algebra I and higher
Acceptable: Algebra I, Algebra II, Geometry, Trigonometry, Pre-Calculus, Honors Courses, Advanced Placement, and/or International Baccalaureate Courses
Not Acceptable: Pre-Algebra, General Math, Business Math, Accounting, and Consumer Math.

Natural Science. 3 units including 2 units in courses designated as laboratory work
Acceptable: Biology, Chemistry, Physics, Earth Science, Physical Science, Honors Courses, Advanced Placement, and/or International Baccalaureate Courses
Not Acceptable: General Science, Outdoor Education, Environmental Studies.

Foreign Language. 2 units
World Language, Level 2 or higher (same language)

Academic Electives. 2 units
Acceptable courses may come from any academic area listed above with foreign languages, computer science, art, music, journalism, drama, honors courses, advanced placement, and/or international baccalaureate courses.

BOULDER VALLEY SCHOOL DISTRICT GRADUATION REQUIREMENTS 2006-2009 COLORADO COMMISSION OF HIGHER EDUCATION REQUIREMENTS 2008-2009

The Boulder Valley School District requires that a minimum of 220 credit hours be earned for graduation; the CCHE requires a minimum of 15 academic units to fulfill admissions requirements.

BVSD

For the classes of 2006 to 2009, 220 credit hours must be earned in the areas listed below. Ten credits are equivalent to one full year of credit in a specific subject.

Language Arts. 40 credits in grades 9-12
10 in Language Arts 9
10 in World Literature & Composition, grade 10
10 in American Literature & Composition, grade 11
5 in language arts elective courses, 9-12
5 in communication courses, grades 9-12

Social Studies. 30 credits in grades 9-12
5 in US Government in grades 9-12
5 in World Geography in grades 9-10
10 in World History in grade 10
10 in US History in grade 11

Math. 20 credits in grades 9-12
10 credits of which must include Algebra I or higher level mathematics

Science. 20 credits in grades 9-12
10 credits in courses designated as Life Sciences
10 credits in courses designated as Physical Sciences

Physical Education. 15 credits in grades 9-12
5 in Comprehensive P.E., grade 9
10 in elective P.E. courses, grades 9-12, balanced between individual fitness and team sports

Health. 5 credits in grades 9-12

Humanities. 10 credits in grades 9-12
Music, Art, Foreign Languages (Level 3 or above), and Diversity in the U.S.

Practical Experiences. 5 credits in grades 9-12. Includes Computer, Business, Consumer and Family Studies, Industrial Technology, and Technical Education

Additional credits in courses approved for grades 9-12, 75 credits

Colorado Commission of Higher Education Requirements for Classes of 2008 & 2009

Beginning with the class of 2008/2009, 15 academic units are required for admissions. An academic unit is equivalent to one full year of credit in a specific subject.

Language Arts. 4 units

Acceptable: World Literature & Composition, American Literature & Composition, Speech, Debate, Honors Courses, Advanced Placement, and/or International Baccalaureate Courses

Not Acceptable: Business English, ESL English, Yearbook, Drama, and Journalism.

Social Science. 3 units including 1 unit in U.S. History and/or World Civilization

Acceptable: U.S. History, World Civilization, State and/or International History, Civics, Principles of Democracy, Geography, Economics, Psychology, Sociology, Honors Courses, Advanced Placement, and/or International Baccalaureate Courses

Not Acceptable: Family Living, Marriage and Family, and Consumer Education.

Mathematics. 3 units; Algebra I or higher

Acceptable: 3 units in Algebra I, Algebra II, Geometry, Trigonometry, Pre-Calculus, Computer Science, Honors Courses, Advanced Placement, and/or International Baccalaureate Courses

Not Acceptable: Pre-Algebra, General Math, Business Math, Accounting, and Consumer Math.

Natural Science. 3 units including 2 units in courses designated as laboratory work

Acceptable: Biology, Chemistry, Physics, Earth Science, Physical Science, Honors Courses, Advanced Placement, and/or International Baccalaureate Courses

Not Acceptable: General Science, Outdoor Education, Environmental Studies.

Academic Electives. 2 units

Acceptable courses may come from any academic area listed above with Foreign Languages, Computer Science, Art, Music, Journalism, Drama, Honors Courses, advanced

Grade Point Average

The **GPA** is derived by multiplying the numerical equivalent of each grade (A=4, B=3, C=2, D=1, F=0) by the corresponding units of credit, adding the totals for all courses taken in a semester and dividing by the total number of credits attempted.

The Weighted GPA/Class Rank

Certain BVSD courses, determined by school board policy, are identified as relatively difficult and are designated as weighted courses.

How does the weighted process work?

The weighted GPA/CR is calculated using one additional quality point per letter grade in a weighted class. Only the GPA/CR is affected; the grade itself is not changed on the report card or on the transcript. For example, a “B” in a weighted class is listed as a B; but counts for 4 point per credit instead of the 3 points per credit it would count for in an unweighted class (the complete weighted grade scale is: A=5, B=4, C=3, D=2, F=0). According to BVSD School Board policy, all internal selections of academic honors such as valedictorian, National Honor Society, graduation honors, academic letters, etc. are based on the weighted Grade Point Average.

MHS Weighted Courses

AP Calculus BC	AP European History
AP Calculus AB	AP U.S. History
Pre-Calculus Advanced I & II	AP World History
Calculus 2 and 3	AP Human Geography
Algebra 2 Advanced	
Geometry Advanced	
AP Statistics	
AP English, Language & Composition	AP Biology
AP English Literature & Composition	AP Chemistry
Freshman LA Advanced	AP Physics C
World Lit. & Comp. Advanced	Research Seminar in Science
	AP Art & History
Any World Language, Level 4	
AP French 5, Language	AP Music Theory
AP Spanish 5	
AP German 5	
AP Computer Science	
C++ Computer Programming	
C++2 Advanced Computer Programming	

Courses taken concurrently at C.U. must be at the 3000-4000 level in order to receive a weighted grade, unless approved otherwise in advance

Grading Scale

- A – exceptional accomplishment
- B – high accomplishment
- C – average accomplishment
- D – low accomplishment
- F – NC, accomplishment less than needed for credit
- I – incomplete, must be completed within 15 school days or will become an F
- WP – withdraw pass; on transcript, not included in GPA
- WF – withdraw fail; on transcript, not included in GPA

Academic Sanctions

In accordance with the school’s attendance policy, unexcused absences may result in loss of credit. Students and parents should carefully review this policy in the Student and Parent Handbook.

GPA Computation Examples

Unweighted Courses

	Attempted	Points			
A = 4	x 5	=	20		
B = 3	x 5	=	15		
C = 2	x 5	=	10		
D = 1	x 5	=	5		
F = 0	x 0	=	0		
E = 1	x 5	=	5		
	30		55		

55/30 = 1.80 Unweighted GPA

Weighted Courses

	Attempted	Points			
A = 5	x 5	=	25		
B = 4	x 5	=	20		
C = 3	x 5	=	15		
D = 2	x 5	=	10		
F = 0	x 0	=	0		
	25		70		

70/25 = 2.80 Weighted GPA

College Preparation

Role of the Counselor

College applications are processed through the student's counselor. Letters of recommendation are an important part of this process for private colleges. Students need to give their counselors and teachers at least 3 weeks notice to complete them. All seniors are required to complete a graduation credit check with their counselor during the first semester of their senior year. The student's progress toward graduation is reviewed, the diploma application is completed and future plans and goals are discussed. Additional post-secondary planning is available. Whether a student decides to join the work force or seek advanced educational training after high school graduation, it is to the student's advantage to make use of the counseling services offered at Monarch High School.

Post Graduate Center

The Post Graduate Center is located in the Counseling Office. It is designed to provide students with a variety of updated college and career information. College course handbooks, Colorado college applications, financial aid forms and many other post-secondary resource materials are available in the Post Graduate Center.

College Entrance Requirements

About 97 percent of MHS students continue their formal education immediately after graduation. Should your plans include a college education, keep in mind that college admission decisions are based on the following criteria:

- 1. The high school academic record as reflected in grade point average, the kinds of courses selected and the class rank.** The high school record of achievement still serves as the best predictor of academic success in college. As such, colleges view it with considerable interest. Your GPA is computed at the end of each semester and only semester grades are used in the computation. Grades earned in 9, 10, 11, and 12 are used to determine your grade point average.
- 2. The quality of your record as seen in your course of study.** Colleges closely examine the quality of a student's record in competition with thousands of applications for admission. Students are advised to consider the quality of course selection, both in depth and breadth.
- 3. The results of scholastic aptitude and achievement tests.** Colleges also rely on admission tests such as the American College Test (ACT) and the Scholastic Aptitude Tests (SAT and SAT Subject).
- 4. Personal recommendations by counselors and teachers.** Some schools place considerable weight on recommendations. Other schools do not require personal recommendations.
- 5. Activities, both in and out of school.** Participation in activities such as clubs, student government, athletics, drama and community service is of importance in determining how well you will be able to compete for admission to the private colleges you may select. The crucial point is not how many activities, but the quality of participation, including offices held and how fully one carries out one's responsibilities.
- 6. For Athletes to be certified by the NCAA Clearinghouse, you must:**
 - a. Earn a grade point average of at least 2.00 (on a 4.00 scale) in core curriculum of at least 16 academic courses taken during grades 9 through 12. Only courses that satisfy the NCAA definition of core courses are acceptable. See Page 6.
 - b. Register after Junior year with the Clearinghouse at <http://www.ncaaclearinghouse.net>.

Colorado Commission on Higher Education College Entrance Requirements

Academic Units for Admission (University of Colorado): one academic unit (AU) for admission to college equals one year or 10 credits at the high school level, grades 9-12. The 16 academic units for the classes of 2008 and 2009 recommended for admission into the College of Arts and Sciences at the University of Colorado are:

Classes of 2008 and 2009	Class of 2010 and Beyond
Language Arts: 4 years/AUs, including 2 years of composition Math: 3 years/AUs, including 2 years algebra, 1 year geometry Science: 3 years/AUs, including 2 years lab science (one year chemistry or physics) Social Studies: 3 years/AUs, including 1 year U.S., 1 year World History and 1 semester geography World Languages: 3 years/AUs of one language	Language Arts: 4 years/AUs, including 2 years of composition Math: 4 years/AUs, Algebra 1 and higher Science: 3 years/AUs, including 2 years lab science (one year chemistry or physics) Social Studies: 3 years/AUs, including 1 year U.S., 1 year and/or World Civilization World Languages: 3 years/AUs of one language Academic Electives: 2 years/AUs

Admission requirements for other colleges at C.U. and for other universities are different and may be more or less demanding than at the University of Colorado College of Arts and Sciences. Check the requirements at the college of your choice early in your high school career.

College Entrance Tests

Preliminary College Entrance Tests

PSAT/NMSQT: The Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test is designed to give students (**sophomores and juniors**) experience with tests similar to those required for college admission. In addition, for juniors, results of this test are used as a competitive examination in the National Merit program. Any **sophomore or junior** who is college bound should take this test, which is given each year only in October.

College Entrance Tests

College Board-Scholastic Aptitude Test SAT and SAT subject tests: The SAT I consists of three sections - one critical reading, one writing and one math. The test is designed to provide reliable indications of a student's ability to do college level work and is administered nationally in October, November, December, January, March, May and June. C.U. is a local testing site. SAT subject tests provide information about a student's knowledge of subject matter and are used extensively for placement purposes by some institutions. Students should consult with their counselor to determine institution requirements. Contact www.Collegeboard.com for additional information.

American College Test (ACT): The ACT test is designed to measure the student's ability to perform the kind of intellectual tasks typically performed by college students. The major portion of the ACT battery consists of four tests: English, Math, Reading and Science Reasoning, in addition to an optional writing portion. Contact www.act.org for additional information.

NCAA Approved Courses offered at MHS

Language Arts

Acting
Acting II
American Lit. & Comp.
AP English Language & Comp.
AP English Literature
Beginning Journalism
Communication in Society
Advanced Composition
Composition & American Lit.
Composition & World Lit.
Creative Writing
Film Literature
Freshman Language Arts
Freshman Language Arts Advanced
Intro to Theatre
Journalism Advanced
Mythology
Public Speaking
World Lit. & Comp.
World Lit. & Comp. Advanced

Mathematics

Algebra 1 (level 1)
Algebra 1 Advanced (level 1)
Algebra 1 Basic (level 1)
Algebra 2 (level 2)
Algebra 2 Advanced (level 2)
Algebra 2 Basic (level 2)
AP Statistics
Calculus AB (level 2)
Calculus BC (level 2)
Discrete Math
Geometry (level 2)
Geometry Advanced (level 2)
Pre-Calculus I
Pre-Calculus II
Pre-Calculus Advanced
Statistics

Natural/Physical Science

Anatomy & Physiology
AP Biology
AP Chemistry
AP Physics
Biology
Chemistry
Core Biology
Physical Science
Physics
Research Seminar

Social Science

Anthropology
AP European History
AP Human Geography
AP U.S. Government
AP U.S. History
AP World History
Psychology
Sociology
U.S. Government
U.S. History
World Geography
World History

Additional Core Courses

French 1-4
French 5/AP
German 1-4
German 5/AP
Spanish 1-4
Spanish 5/AP
Understanding Diversity

Alternative Programs

Independent Study

A student may pursue an Independent Study in various subjects not presently taught at Monarch High School. This individual work is counted as elective credit toward graduation. The student must find a Monarch High teacher willing to sponsor and supervise the Independent Study. A contract must be completed and approved by the sponsoring teacher and the Assistant Principal prior to the start of the study. Students may take Independent Study for pass/fail or letter grade. There are specific guidelines to follow and maximum credit allowances. Independent Study contracts are available in the Counseling Office.

Post-Secondary Enrollment Options

Colorado law (HB 1326) provides high school students in the *eleventh* and *twelfth* grades the opportunity to apply credit earned at post-secondary state institutions toward high school graduation credit or credit toward a degree or a certification at an institution of higher education, or both.

At least *sixty days* prior to anticipated enrollment, eligible students must give written notice of intent to enroll to the Director of Administrative Services, Boulder Valley School District. Applications are available in the Monarch High Counseling Office.

The district will reimburse the tuition costs for a maximum of two courses per student per semester. Courses must be academic in nature. Students must exhaust all Monarch High course offerings in the content area at Monarch High. The law does not apply to summer school. All other tuition and course costs will be paid by the student. A student who drops a course without consent of the principal or receives an F will not be reimbursed.

Summer School

Students can enroll in the Boulder Valley Summer School Program to make up course deficiencies, to strengthen weak points in their studies, or to enrich their learning experience. Enrollment materials are available in May in the Counseling Office.

Technical Training

Career training opportunities are available to Boulder Valley high school students through concurrent enrollment at the Technical Education Center (TEC) in Boulder or the Career Development Center (CDC) in Longmont. Counselors will assist students in coordinating schedules between high school and each of the two centers. Students may earn a maximum of 60 TEC credits. Students must complete a scheduled tour and complete a TEC application form. Please refer to pages at the back of this booklet for detailed descriptions of offerings available at TEC.

Teen Parent Program

Located at Fairview High School, this program provides specific services to prenatal and parenting teens.

Newcomer Pathways

Located at the Arapahoe Ridge campus, this introductory instructional program is designed especially for those students who have very limited knowledge of the English language.

The Advanced Placement Program

What is Advanced Placement?

The Advanced Placement (AP) Program is a cooperative educational endeavor between secondary schools and colleges and universities. It allows high school students to undertake college-level academic learning and gives them the opportunity to demonstrate mastery of the advanced material by taking AP exams. Students can receive credit, advanced placement, or both from thousands of colleges and universities that participate in the Advanced Placement Program. The AP Program has been administered since 1955 by the College Board, and procedures are determined by member institutions (public and independent schools, colleges, and universities). AP's operational services are provided by Educational Testing Service (ETS)

What Advanced Placement Courses are Offered at MHS?

Mathematics

Calculus AB
Calculus BC
Statistics

Science

Biology
Chemistry
Physics C

World Languages

French Language
German Language
Spanish Language

Social Studies

European History
Human Geography
United States Government
United States History
World History

Language Arts

English Language
English Literature

Computer Science

Computer Science A

The Arts

Music Theory
Art History

How are Students Awarded College Credit for AP Classes?

Students in AP courses learn as much or more than students taking the same courses in college, so students who do well in AP may receive college credit. The evidence of AP students' achievement is not only a teacher's grade, but also the results on a carefully designed national examination. AP exams are prepared by committees of college faculty and AP teachers, and are graded by other college and AP teachers, who ensure that the content and skills that are required reflect college-level achievement (Source: A Secondary School Guide to the Advanced Placement Program, 1996). When the evidence of that achievement is a satisfactory grade (3,4, or 5) on the spring AP exam, many colleges and universities award course credit. AP Grade Reports are sent in July to each student's home, high school, and any college(s) designated by the student. At the time of the exam, students can indicate on their answer sheet if they would like a college to receive their grade. After the exam, they can write to the AP Program and request that the grade be sent to other colleges as well. Students may also cancel or withhold a grade by contacting the AP Program by June 15 of the testing year (Source: Facts about the AP Program, 2000).

Do AP Teachers Receive Special Training?

Yes. All Monarch High School AP teachers have participated extensively in AP teacher training. AP teacher professional development workshops of one day and up to three weeks are offered year-round at sites in the United States and abroad. They are organized and run by College Board offices and/or independent educational institutions. Each workshop focuses on an AP subject, specialized training in a particular discipline, or management of an AP course.

How are MHS Students Prepared for AP Classes?

AP classes at Monarch are open to any student who meets the necessary prerequisites. Some AP classes have no prerequisites, such as AP Language and Composition, AP English Literature and AP US History. Any student interested in pursuing a challenging, rigorous, college-level course while in high school can simply register for these classes. Other AP classes at MHS have prerequisites that follow a logical content-specific sequence. For example, students who wish to take AP Calculus must first successfully complete Pre-Calculus. Students who wish to take AP Spanish 5 must first complete Spanish 4. Most AP classes currently taught at MHS are taken by juniors and seniors who, with adequate planning, can take any AP class offered that they desire. Numerous advanced (honors) classes are available for freshmen and sophomores planning to take AP classes as juniors and seniors. These classes have weighted grades, as do all AP classes. For more information about the Advanced Placement Program and the College Board, go to www.collegeboard.com.

Course Selection

New Students

New students are held responsible for District requirements while enrolled in a Boulder Valley school. Coursework completed outside the District will be evaluated for credit and for meeting graduation requirements. **IN ADDITION, AT LEAST TWO SEMESTERS OF ATTENDANCE (A MINIMUM OF 50 CREDITS) IN A BOULDER VALLEY HIGH SCHOOL IS REQUIRED TO MEET DISTRICT GRADUATION REQUIREMENTS FOR A DIPLOMA.**

Guidelines for Choosing Courses at Monarch High School

Freshman and sophomore students are required to take seven (7) classes or six (6) classes plus a study hall. Junior students are required to take a minimum of six (6) classes each semester. Senior students must take 5 classes each semester. A student must have administrative approval to take fewer than 5 classes.

Dropping a Course

In May 1995, the School Board passed the following resolution governing the policy for student withdrawal from classes:

1. Students may drop a class during the first 15 days of a semester with no grade reported and no record that the student was ever in the class recorded on the transcript.
2. Students who drop a class from 16 to 30 days into the semester will be issued a withdrawal grade of “WP” (Withdraw Pass) or “WF” (Withdraw Fail) recorded on the transcript, with no impact on the student’s GPA.
3. Students may not withdraw from a class after the 30th day of the semester. If a teacher determines, after the 30th day, that a student has exerted maximum effort, but that it would be in the student’s best interest to drop the class, the teacher may recommend the class be dropped with a “WP” or “WF” grade.
4. Students who choose to discontinue attending a class after the 30th day will fail the class and a grade of “F” will be recorded on the transcript and will be averaged into the student’s grade point average.
5. When extreme extenuating circumstances exist, the building administrator or designee may exempt a student from this policy, based on consultation with personnel in Special Education, English as a Second Language, or other appropriate staff.
6. Level changes are initiated by the teacher and require parent approval.

Athletic Eligibility

To maintain athletic eligibility, students must be taking a minimum of 25 credits each semester and cannot fail/lose more than 5 credits. There are additional conditions for athletic eligibility. Please contact the Athletic Director for complete details.

Supplies & Fees

According to Colorado statute, students may be required to bring specific, necessary supplies for their own use in the classroom and to procure supplies and equipment required to carry on the musical, dramatic, athletic, and equivalent programs of the district.

Each year, the Boulder Valley School Board authorizes a list of fees for materials used in certain classrooms. Some of the fees are optional while others are deemed necessary for participation in particular classes. Notice of these fees is given in course descriptions or by the teacher within the first few days of class.

Miscellaneous fees may also be collected to cover the cost of entrance, meals, and lodging for field trips. The cost of particular requested services (such as copies of transcripts, college searches, AP exams, postage, directories, handbooks, newsletters, etc.) may be passed on to the student.

*FEES MAY BE WAIVED FOR STUDENTS QUALIFYING FOR FREE AND REDUCED LUNCH.
INFORMATION IS AVAILABLE IN THE MAIN OFFICE.*

Guide to Course Selection

Class of 2008 - 2011

College Preparatory Program

The college preparatory program is for students planning on attending a 4-year college or university in pursuit of a bachelor's degree. Some very selective colleges require the maximum credits listed below.

Language Arts: 40-50 credits
World Language: 30-40 credits
Science: 30-40 credits
Mathematics: 30-40 credits
Social Studies: 30 credits
Physical Education: 15 credits
Health: 5 credits
Humanities: 10 credits
Practical Arts: 5 credits
TOTAL CREDITS: 220-240

General Education Program

The general education program is particularly for students who want to explore a variety of courses. This program will prepare the student for entrance to a 2-year college and may include some 4-year colleges.

Language Arts: 40 credits
World Language: 20-30 credits
Science: 30 credits
Mathematics: 30 credits
Social Studies: 30 credits
Physical Education: 15 credits
Health: 5 credits
Humanities: 10 credits
Practical Arts: 5 credits
TOTAL CREDITS: 220-230

Technical Education Program

The technical education program is for students enrolled in or planning to enroll in the Boulder Valley Area Technical Education Center.

Language Arts: 40 credits
World Language: 20 credits
Science: 20 credits
Mathematics: 20-30 credits
Social Studies: 30 credits
Physical Education: 15 credits
Health: 5 credits
Humanities: 10 credits
Practical Arts: 5+ credits
TOTAL CREDITS: 220-230

*For specific courses that meet these credits, see the department listings on the following pages.
The counselors will answer questions and help you choose a plan for course selection.*

Freshman Course Planner

Course #	Credits	Course Name
	10	(Language Arts) Freshman Language Arts
	10	(Math)
	10	(Science)
	5	(Social Studies) U.S. Government
	5	(Social Studies) World Geography
P20	5	(Physical Education) Comprehensive P.E.
		(Electives)
Total Credits:		Freshmen are required to take a minimum of 35 credits <i>per semester</i> .

Graduation Requirements for Class of 2010 and beyond

Required Courses	
<p>Language Arts: 40 credits in grades 9-12 10 in Freshman Language Arts, 9th grade 10 in World Literature-Composition, 10th grade 10 in American Literature-Composition, 11th grade 5 in Communication courses, 9th-12th grades 5 in additional language arts courses, 9th-12th grades</p> <p>Social Studies: 30 credits in grades 9-12 5 in U.S. Government, 9th grade 5 in World Geography, 9th grade 10 in World History, 10th grade 10 in U.S. History/U.S. Studies, 11th grade</p> <p>Mathematics: 20 credits in grades 9-12 10 in Algebra 1 or higher, 9th-12th grade 10 in Geometry or higher, 10th-12th grade</p> <p>Science: 20 credits in grades 9-12 10 in Physical Sciences, 9th-12th grade 10 in Life Sciences, 9th-12th grade</p> <p>Elective Courses 75 credits beyond required courses, grades 9-12</p>	<p>Health: 5 credits, 10th grade recommended</p> <p>Physical Education: 15 credits in grades 9-12 5 in Comp. P.E., 9th grade 10 in additional P.E. courses, 9th-12th grade</p> <p>Fine Arts: 5 credits in grades 9-12 5 in Music or Art</p> <p>Second Language Acquisition 10 credits in grades 9-12 10 in World Languages Level 2 or higher <i>(10 in approved English language acquisition for ELL students)</i></p> <p>Practical Experience: 5 credits in grades 9-12 Evidence of completion of 12 hour course in Money Management & Personal Finance AND *If completed a computer class in middle school: 5 in Business, Computer Science, Family & Consumer Science, or TEC * If did not complete a computer class in middle school: 5 in Computer Science, Design Technology, or TEC</p>

Programs of Study

Language Arts

(40 credits needed: 10 in Freshman LA, 10 in World Lit. & Comp., 10 in American Lit. & Comp., 5 in Communication, 5 in LA Electives. Colleges recommend 4 years.)

L08 Ninth Grade Language Arts

Level: 9
Course Length: 2 semesters
Prerequisites: None
Credits: 10

Students in Ninth Grade Language Arts will receive instruction in composition and literary analysis. Teachers will build upon 8th grade instruction and will help students develop skills which will allow them to be successful in World Literature and Composition at the sophomore level. Focused instruction will augment the 9-12 language arts academic content standards and benchmarks. This survey course exposes students to a variety of reading and writing activities. Students would be expected to read novels, short stories, plays, essays and poems. Students will be expected to write in a variety of styles. Ninth grade teachers will work in concert with the rest of the language arts department to develop a coherent, articulated program of instruction for students.

NCAA Clearinghouse approved course

L11 Ninth Grade Language Arts Advanced wt

Level: 9
Course Length: 2 semesters
Prerequisites: None
Credits: 10

This course is a rigorous version of L08 for freshmen seeking a greater challenge in Language Arts. A summer reading list and writing assignment are required preparation for this class.

NCAA Clearinghouse approved course

L14 Senior Composition

Level: 12
Course Length: 1 semester
Prerequisites: Senior Standing
Credits: 5

This course prepares students for college writing experiences. Assignments emphasize techniques of rhetoric, such as extended definition, analysis, argumentation, and persuasion. Students expand vocabulary and practice precise word choice skills. They investigate techniques in locating source materials, note taking, thesis writing, and organizing information. They demonstrate these skills through writing assignments including research papers. The course employs critical reading and writing in the development of unique, forceful writing. This course counts for either English elective or elective credits.

L16 World Literature & Composition Advanced wt

Level: 10
Course Length: 2 semesters
Prerequisites: Teacher recommended
Credits: 10

Advanced World Literature and Composition is a rigorous version of L27 for sophomores seeking a greater challenge in the language arts. Critical reading and analysis of world literature will be the core of the course. Composition emphasizing literary criticism will be taught along with grammar, syntax, and all mechanics. Vocabulary enrichment and research skills will also be developed.

NCAA Clearinghouse approved course

L19 Creative Writing

Level: 10-12
Course Length: 1 semester
Prerequisites: None
Credits: 5 (elective)

This course introduces the student to the writing of fiction, poetry, the personal narrative, drama, screenplay, and creative essay. Students analyze peer and published authors for particular artistic devices in order to understand the writer's skill in narration, dialogue, description, and specific detail. This course provides activities and projects to stimulate latent talent and ideas, to encourage appropriate freedom of expression, and to develop sensitivity to the power of words in the written medium. Students may be required to read their work aloud for class critique. The course may introduce students to appropriate markets for publication.

NCAA Clearinghouse approved course

L20 American Literature and Composition

Level: 11
Course Length: 2 semesters
Prerequisites: World Literature and Composition
Credits: 10

American Literature and Composition is a year-long course for juniors. The course builds on skills learned in World Literature and Composition. This course includes the study of classic American literature from the 16th century to the present. Instruction in writing techniques is an integral part of the course. Students refine their composition skills to increase their abilities to write clearly, correctly, and logically for a variety of purposes and audiences. Grammar, vocabulary and the vocabulary of literature will be included. Literary analysis through critical thinking is emphasized in class discussions and writing assignments.

NCAA Clearinghouse approved course

L27 World Literature and Composition

Level: 10
Course Length: 2 semesters
Prerequisites: 9th grade Language Arts
Credits: 10

World Literature and Composition is a year-long course. The course will be organized in chronological, regional, or thematic order. It will be complemented by the sophomore study of World History. Critical reading and analysis of world literature from 3500 B. C. to the present will be the core of the course. Cause/effect, comparison/contrast, persuasive, and research modes of composition will be taught. Grammar, mechanics, vocabulary building and spelling will be emphasized throughout the course to improve and enhance the quality of student writing.

NCAA Clearinghouse approved course

L31 Communication in Society

Level: 10-12
Course Length: 1 semester
Prerequisites: None
Credits: 5 (Communications)

This course is designed to assist students in learning to improve self-confidence and effectiveness in a wide variety of communication situations. Opportunities are provided to learn about communication in one-to-one, and one-to-a group situation, within small group activities, and within large groups. Areas of communication will include self-awareness, relationships, work situations, and the community. Attention focuses on learning speech fundamentals, breaking down the barriers to communication, becoming aware of and expressing ideas and thoughts, problems solving, conflict management, thinking skills, and decision making. Students will read, discuss, and critically examine information sources and literature.

NCAA Clearinghouse approved course

L34 Public Speaking

Level: 10-12
Course Length: 1 semester
Prerequisites: None
Credits: 5 (Communications)

Public Speaking allows students to develop skills in the preparation, organization, and presentation of speeches. Students practice and deliver prepared and impromptu speeches to inform, persuade and entertain. Students enhance their reading skills through the oral interpretation of literature. In this course, technique and polish in public speaking are cultivated. Those seeking careers involving exposure to and interaction with the public will particularly benefit from this course.

NCAA Clearinghouse approved course

L35 Introduction to Theatre (Theatre 1)

Level: 9-12
Course Length: 1 semester
Prerequisites: None
Credits: 5 (Communications)

This course provides a foundation in all aspects of theatre: history, play analysis, terminology, basic stage movement, vocal exercises, memorization, character interpretation, basic production principles selection and evaluation of plays.

NCAA Clearinghouse approved course

L36 Acting (Theatre 2)

Level: 10-12
Course Length: 1 semester
Prerequisites: Introduction to Theatre
Credits: 5 (Communications)

This advanced course concentrates on specialized acting skills. Areas of study include physical and vocal exercises and techniques; reading, viewing, and analyzing plays; psychology of stage movement; advanced research in make-up and costume as applied to characterization; investigation of acting theories and play styles; and final performances.

NCAA Clearinghouse approved course

L41 Comp and World Lit

Level: 10 - 12
Course Length: 2 semesters
Prerequisites: 9th Grade Language Arts
Credits: 10

Composition and World Literature is a year-long course combining instruction in the basic writing patterns with the study of selected world literature from 2000 B.C. to the present. The emphasis of the course is on improving writing skills, but students also study vocabulary, spelling, grammar and techniques of literary analysis. The course is meant for sophomores who have difficulty with reading and writing.

NCAA Clearinghouse approved course

L64 Science Fiction

Level: 10-12
Course Length: 1 semester
Prerequisites: None
Credits: 5 (elective)

Science Fiction explores the possibilities of potential change in the present and in the future. Students will investigate technological, scientific, and sociological change through the study of current media forms, and classical and popular science fiction. Possible alternatives and long-range trends are related to the lives of the students. Students may analyze literature for scientific accuracy and literary merit. Creative writing allows students to explore their personal viewpoints in the area of science fiction.

NCAA Clearinghouse approved course

L72 Acting 2

Level: 11-12
Course Length: 1 semester
Prerequisites: L36
Credits: 5 (elective)

This course gives students opportunities to participate in advanced scene study. Further exploration in acting techniques, character analysis, dramatic interpretation, and

advanced acting methodologies will be covered. Areas of focus include dialect work, classical scenes, and script and character analysis with the use of expository writing skills and college audition situations.

NCAA Clearinghouse approved course

L75 Shakespeare

Level: 11-12
Course Length: 1 semester
Prerequisites: None
Credits: 5 (elective)

This course introduces students to the works of Shakespeare and the Elizabethan period in which he lived. Students will investigate his continuing appeal as a playwright by exploring his ability to use characterization, dramatic language, and universal themes. Students will analyze representative examples of tragedies, comedies, and/or histories. Student performance of selected Shakespearean scenes enhances understanding of all aspects of Shakespeare's work. Shakespeare's status as the preeminent master of the English language enables his work to serve as an ideal model for the study of literature in general.

NCAA Clearinghouse approved course

L77 AP English Language and Composition wt

Level: 11
Course Length: 2 semesters
Prerequisites: L27 or equivalent, application, and teacher recommendation.
Credits: 10

This course prepares students for the AP exam in Language and Composition. Students develop the writing and language skills required for critical and stylistic analysis. Students explore the ideas of noted philosophers and major American writers while perfecting their own writing skills. Students work to become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts. This course also provides the practice for students to become flexible writers who can compose in a variety of modes and for a variety of purposes.

NCAA Clearinghouse approved course

L80 Mythology

Level: 10-12
Course Length: 1 semester
Prerequisites: None
Credits: 5 (elective)

This course is concerned primarily with Greek and Roman myths, but other cultures such as African, Native American Indians, Asian, and Norse may be studied at a comparative level. Background material on characteristic themes of world cultures adds emphasis to the individual myths studied. The course focuses on various myths and legends, plus a study of Homer's epics the Iliad and/or the Odyssey or Virgil's Aeneid.

NCAA Clearinghouse approved course

L88 AP English: Literature & Composition wt

Level: 12th grade
Course Length: 2 semesters
Prerequisites: Advanced course or teacher recommendation
Credits: 10 (elective)

This course will engage students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students will deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students should consider a work's structure, style, and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone. This course will prepare students for the AP English examinations.

NCAA Clearinghouse approved course

LE0 Film Literature

Level: 10-12
Course Length: 1 semester
Prerequisites: None
Credits: 5 (elective)

Film Literature examines literary and artistic forms as interpreted through film. Students develop literary, verbal, and visual analysis skills through discussion and written critiques. This course promotes an understanding of film's historical progression, its language, its techniques, and its conscious and subliminal effects upon personal and public opinion.

LE1 Journalism, Reporting, Semester

Level: 9-12
Course Length: 1 semester
Prerequisites: None
Credits: 5 (elective)

This course offers an in-depth survey of journalism, including news writing, interviewing, and writing stories (news, features, sports, editorials, and columns). It also covers the history of journalism, newspaper terminology, headline writing, copy and proofreading, advertising, page layout, and photo journalism.

NCAA Clearinghouse approved course

LE6 Adv. Journalism: Publishing, Year

Level: 10-12
Course Length: 2 semesters
Prerequisites: Intermediate Journalism and teacher recommendation
Credits: 10 (elective)

Students in this two-semester course are responsible for publishing the school newspaper or newsmagazine and for refining journalistic skills previously acquired. To meet the regular, predetermined production schedule, students are obliged to write stories, to sell and collect advertising, to keep the financial records, and to work for several hours each week outside class on some phase of the publication's production. Students fill top positions in editing, news assigning, accounting, advertising, copy reading, page design,

and photography. Students may continue in this course for elective credit.

NCAA Clearinghouse approved course

LE7 Yearbook

Level: 10th – 12th
Course Length: 2 semesters
Prerequisites: Instructor approval
Credits: 10 (elective)

This class produces the yearbook. Work includes writing/editing copy, taking pictures, designing layouts using computer software, editing proof pages, and working with the yearbook company and its representatives. This class demands punctuality, reliability, maturity, and creativity. Since meeting deadlines is the primary concern, students must be willing to commit to work after school. Each student must have permission from the instructor before registering for this class. Students may continue in this course for additional elective Language Arts credit.

L06 Ninth Grade Language Arts (ESL-Sheltered)

Level: 9
Course Length: 2 semesters
Prerequisites: None
Credits: 10

In this course, ESL students are exposed to various literary genres in order to think critically and write effectively. Students develop paragraph and essay writing skills as they improve their grammar, usage and spelling. Students study literary devices to enhance their comprehension and enjoyment of reading, as well as to sharpen skills in written and oral communication. Vocabulary building and ongoing use of research skills is emphasized. Audio-visual materials are used to aid language comprehension.

LA0 Study Skills (ESL-Sheltered)

Level: 9-12
Course Length: 1 semester
Prerequisites: None
Credits: 5

This class is to support ESL students in their academic classes. Typically offered at the end of the day, study skill strategies and techniques appropriate to the L.E.P. learner are instructed and applied to academic assignments. Students may work on homework with tutors and teachers. Supplemental materials are available for students.

L65 American Literature & Composition (ESL-Sheltered)

Level: 11-12
Course Length: 2 semesters
Prerequisites: L49 or department recommendation
Credits: 10

American Literature and Composition is a year long course. The course includes the study of classic American literature to current American literature. In addition, instruction in writing techniques is an integral part of instruction. Students build their composition skills to increase their ability to write

clearly, correctly, and logically for a variety of purposes and audiences. Literary analysis through critical thinking is emphasized in class discussion and writing assignments. Audiovisual materials are used to aid reading comprehensions.

L49 World Literature and Composition (ESL-Sheltered)

Level: 10
Course Length: 2 semesters
Prerequisites: L08 or equivalent, teacher recommendation
Credits: 10

World Literature and Composition is a year long course. The course includes the study of classic world literature to current world literature. In addition, instruction in writing techniques is an integral part of instruction. Students build their composition skills to increase their ability to write clearly, correctly, and logically for a variety of purposes and audiences. Literary analysis through critical thinking is emphasized in class discussions and writing assignments. Audiovisual materials are used to aid reading comprehensions.

LA2 English as a Second Language 2

Level: 9-12
Course Length: 2 semesters
Prerequisites: LA1 or department recommendation
Credits: 10

ESL-2 emphasizes listening, speaking, reading and writing. Students study grammar, idioms, pronunciation and cultural awareness. The class also emphasizes reading comprehension and writing development. In addition, students will learn skills applicable to content area classes.

Science

(10 credits in Physical Science and 10 in Life Sciences. Colleges recommend 3 years.)

S10 Physical Science

Level: 9
Course Length: 2 semesters
Prerequisites: None
Credits: 10
Fee: \$5

Physical Science is an inquiry-oriented course involving principles and concepts concerning the physical world. Content areas explored include nature and behavior of matter, atomic theory, chemical and physical changes including bonding and reactions, mechanics, electricity and magnetism, light and sound, and energy. The course emphasizes the study and proper use of fundamental science tools including the metric system, periodic table, graphing techniques and applied technologies. Laboratory activities reinforce concepts and principles presented.

NCAA Clearinghouse approved course

S11 Integrated Science 1

Level: 9
Course Length: 2 semesters
Prerequisites: None
Credits: 10
Fee: \$5

Integrated Science is an inquiry-oriented course involving principles and concepts concerning the physical world. Content areas explored include nature and behavior of matter, mechanics, electricity and magnetism, light and sound, and chemical reactions.

NCAA Clearinghouse approved course

S12 Integrated Science 2

Level: 10
Course Length: 2 semesters
Prerequisites: Instructor permission
Credits: 10
Fee: \$5

Integrated Science 2 is a continuation of S11. Integrated Science is an inquiry-oriented course involving principles and concepts concerning the physical world. Content areas explored include nature and behavior of matter, mechanics, electricity and magnetism, light and sound, and chemical reactions.

NCAA Clearinghouse approved course

S16 Earth, Space, and Geophysical Science

Level: 11-12
Course Length: 2 Semesters
Prerequisites: S14 Physical Science
Credits: 10
Fee: \$10

This course provides the opportunity to develop knowledge and understanding about the relationships between the

structure, processes, and resources on Earth and other solar bodies. Emphasis is placed on laboratory and field experiences. Units of study include the nature of science, environmental geology, environmental resources and pollution, and atmospheric studies. This course requires the student to learn independently as well as cooperatively. This course is designed to meet the state standards relating to the earth sciences as well as the district graduation requirements.

S27 Core Biology

Level: 10
Course Length: 2 semesters
Prerequisites: Physical science
Credits: 10
Fee: \$10

Core Biology is designed to provide students with an overview of the core content of the biological sciences. The scope of the course is similar to that of S31 but depth and complexity of vocabulary have been reduced. Units of study include: the process of science, including measurement and science safety; the characteristics and chemical basis of life; biochemistry; cell biology, genetics; evolution; taxonomy and classification; and ecology. Laboratory activities reinforce concepts and principles presented in the course.

NCAA Clearinghouse approved course

S31 Biology

Level: 10-12
Course Length: 2 semesters
Prerequisites: Physical Science (S10)
Credit: 10
Fee: \$10

In this college preparatory class, students will explore relationships between structure and function in organisms and the interaction of cells and organisms with each other and their environments. Units of study include: use of microscope, cell structure and function, biochemistry, microbiology, classification, human physiology, genetics, evolution, botany and ecology. Laboratory activities reinforce concepts and principles presented. Self-sufficiency and responsibility in work habits required.

NCAA Clearinghouse approved course

S33 Anatomy and Physiology

Level: 11-12
Course Length: 2 semesters
Prerequisites: S31 Biology
Credits: 10
Fee: \$22

Anatomy/Physiology is a year-long course that provides students the opportunity to explore the intricate and sophisticated relationship between structure and function in the human body. The course offers students an environment in which they may probe topics such as homeostasis,

anatomical and physiological disorders, medical diagnosis and treatment, modern and past medical imaging techniques, biochemistry, cytology, histology and survey of the remarkable array of body systems that comprise the human body. Laboratory activities reinforce concepts and principles presented in the course. Students are expected to have taken Biology prior to taking this course.

NCAA Clearinghouse approved course

S50 Chemistry

Level: 10-12
Course Length: 2 semesters
Prerequisites: Algebra 2 or current enrollment in Algebra 2
Credits: 10
Fee: \$10

This course provides the opportunity to develop knowledge and understanding about the relationships between the structure and properties of matter and the interaction of mass and energy. Units of study include: matter and its changes, atomic structure, chemical composition, nomenclature, reactions, stoichiometry, gas laws, periodicity, bonding, molecular geometry, and thermo chemistry. Laboratory activities reinforce concepts and principles presented in the course.

NCAA Clearinghouse approved course

S61 Physics

Level: 11-12
Course Length: 2 semesters
Prerequisites: Preferable two years of Algebra
Credits: 10
Fee: \$10

This course helps students understand the basic physical laws of our world. The course includes: scientific methods and measurement, forces, motion, energy, light, waves, electricity, magnetism, and atomic physics. Laboratory work serves to promote understanding and to illustrate the experimental nature of physics.

NCAA Clearinghouse approved course

S66 AP Chemistry wt

Level: 11-12
Course Length: 2 semesters
Prerequisites: M51 and S50 Chemistry or recommendation of teacher
Credits: 10
Fee: \$10 and approx. \$250.00 per semester tuition to CU-Denver

AP Chemistry is designed to be the equivalent of the general chemistry course usually taken during the first college year. The curriculum for this course is the College Board Advanced Placement Chemistry curriculum. This course differs qualitatively from the usual first secondary school course in chemistry with respect to the type of textbook used, the topics covered, the emphasis on chemical calculations and the mathematical formulation of principles, and the kind of laboratory work done by the students. The AP Chemistry Exam may be taken at the end of this course.

NCAA Clearinghouse approved course

S68 AP Biology wt/CU Succeed

Level: 11-12
Course Length: 2 semesters
Prerequisites: S31 and S50 (S50 could be taken as co-requisite with permission of the instructor)
Credits: 10
Fee: \$25 and approx. \$250.00 per semester tuition to CU-Denver

AP Biology is designed to be the equivalent of a college introductory biology course. The curriculum for this class is the College Board Advanced Placement Biology Curriculum. This course differs significantly from a high school course with respect to the textbook used, the laboratory work done and the time and effort required of the students. The AP examination may be taken at the end of this course.

NCAA Clearinghouse approved course

S70 AP Physics C wt

Level: 11-12
Course Length: 2 semesters
Co-requisites: M65 Calculus AB or M66 Calculus BC.
Credits: 10
Fee: \$10

Only students with a high level of motivation and interest in science should take AP Physics C. Typical candidates for this course are students seriously intending to pursue careers in science or engineering. This course will use calculus concepts and technologies to study mechanics and electromagnetism. A superior capability in math is required to succeed in AP Physics C. The textbook provides most of the material necessary to prepare students for the two AP Physics exams, though students working toward these exams need to spend additional preparation time beyond regular assignments.

NCAA Clearinghouse approved course

S98 Research Seminar in Science, Wt.

Level: 10-12
Course Length: 2 semesters
Prerequisites: S10 and S31 and teacher recommendation
Credits: 10
Fee: \$30 to join Colorado-Wyoming Junior Academy of Science

This highly structured year-long science research course offers highly motivated students of various achievement levels an opportunity to perform authentic science research of their own choosing. Students participate in the community of scientific research and scholarship as part of their high school experience. This program directly addresses student need to perform hands-on scientific research. It requires students to identify their own topic of research; read relevant and appropriate scientific literature; create testable hypotheses; design, analyze and discuss results. Each student will have the opportunity to enter their research into local, state and national competitions.

NCAA Clearinghouse approved course

World Languages

Level 1:

F11 French 1, F31 German 1, F71 Spanish 1

Level: 9-12
Course Length: 2 semesters
Prerequisites: None
Credits: 10

Level 1 introduces students to the specific foreign culture and to the four basic language skills: listening comprehension, speaking, reading and writing. Students acquire skills through oral repetition, dialogues, short compositions, dictations, reading, and written exercises.

NCAA Clearinghouse approved course

Level 2:

F12 French 2, F32 German 2, F72 Spanish 2

Level: 9-12
Course Length: 2 semesters
Prerequisites: Level 1
Credits: 10

Level 2 furthers the study of grammar, vocabulary and an understanding of the foreign cultures through movies, videos and magazines. Students improve listening, speaking, reading and writing skills. Students begin to develop reading comprehension skills through short stories, plays and poetry.

NCAA Clearinghouse approved course

Level 3:

F13 French 3, F33 German 3, F73 Spanish 3

Level: 9-12
Course Length: 2 semesters
Prerequisites: Level 2
Credits: 10

Recommendation: Student should have earned at least a C in previous level.

Level 3 reviews basic grammatical structures and continues the study of grammar, vocabulary, and culture. Students further develop skills in understanding reading, speaking, and writing through short stories, poetry, articles, oral presentations, and written exercises when applicable.

NCAA Clearinghouse approved course

Level 4:

F19 French 4, F39 German 4, F79 Spanish 4 wt

Level: 10-12
Course Length: 2 semesters
Prerequisites: Level 3
Credits: 10 weighted

Recommendation: Student should have earned at least a C in previous level.

Level 4 (weighted) is taught exclusively in the specific World Language. It explores more advanced topics in composition and conversation, with an emphasis on refining and integrating advanced grammar into daily communication. Emphasis will be placed on comprehension as it is spoken by educated native speakers. Students will develop appropriate verbs, structure, vocabulary, idioms and cultural understanding necessary to perform basic communicative functions at the advanced level.

NCAA Clearinghouse approved course

Level 5 AP:

F26 French, F46 German, F85 Spanish wt

Level: 11-12
Course Length: 2 semesters
Prerequisites: Level 4
Credits: 10
Recommendation: Student should have earned at least a C in previous level.

Level 5 teaches mastery in reading, writing, and speaking the language. Students read short stories, plays and novels.

They may participate in extracurricular activities using the foreign language. The Advanced Placement Language Exam is optional, but students who perform well on the test earn college credit for this one-year college-level course.

NCAA Clearinghouse approved course

F98 American Sign Language 1

Level: 9-12
Course Length: 2 semesters
Prerequisites: None
Credits: 10

This class provides an introduction to American Sign Language. Students will build vocabulary and learn the basic shifts to ASL grammar. Students should be able to carry the thread of an ASL story, read simple conversation without the aid of hearing or speaking the human voice, have a strong grasp of reading and signing all vocabulary words (a minimum of 1,000). They will then master the reception and production of the manual alphabet and shifting conversations into silent mode. This will help build reception and syntax.

L96 American Sign Language 2

Level: 9-12
Course Length: 2 semesters
Prerequisites: ASL 1
Credits: 10

This Class provides a continued study of ASL 1

Social Studies

(5 in U.S. Government, 5 in Geography, 10 in World History, 10 in U.S. History. Colleges recommend 3 years.)

C72 Understanding Diversity in the United States

Level: 10-12
Course Length: 1 semester
Prerequisites: None
Credits: 5

Understanding Diversity in the United States presents students with the opportunity to carefully explore the concepts of race, ethnicity, gender, socio-economic status, culture, oppression, privilege, community and leadership. The course will be highly interactive and experiential. Students will meet with a variety of members from many communities of color and other cultural groups, analyze literary works, art and the media, and share their learnings through classroom presentations, discussion and written reports.

NCAA Clearinghouse approved course

T21 United States History

Level: 11th Grade
Course Length: 2 semesters
Prerequisites: None
Credits: 10

This is a chronological course focusing on political, economic, social and cultural concepts of United States history. During the first semester students will study pre-colonial times to 1900. During the second semester students will study the U. S. during the twentieth century.

NCAA Clearinghouse approved course

T37 United States Government

Level: 9th Grade
Course Length: 1 semester
Prerequisites: None
Credits: 5

This course presents the basic concepts of American government from pre-revolutionary days to the present time. The functions of national, state, and local governments and their relationships to the citizens of the United States are covered. Various governmental problems at all levels of government are presented. The responsibilities and obligations of both the citizen and the government to each other are an integral part of this course. A comparison of other important political systems is included in the course.

NCAA Clearinghouse approved course

T38 AP United States History Wt

Level: 11 - 12
Course Length: 2 Semesters
Prerequisites: Departmental recommendation
Credits: 10

Advanced Placement U. S. History is an intensive study of history designed for above average students. Included in the course are college level reading, research, writing, critical thinking, and historiography. Many colleges will grant

college credit in American History if a student earns “3” or better on the Advanced Placement Exam given in the spring. This class meets the requirement of one year of United States history.

NCAA Clearinghouse approved course

T41 World History

Level: 10th Grade
Course Length: 2 semesters
Prerequisites: None
Credits: 10

World History is a chronological, thematic, and comparative study of the major cultures of all regions of the world through the collapse of the Soviet Union. Chronology is important, but regional World History teachers may change the order of the units. Historical research skills are an important, required component of the course. At least one major, comprehensive research project should be completed each year. Primary source materials (readings, art, artifacts, etc.) should be integral components of each unit.

NCAA Clearinghouse approved course

T54 AP World History Wt

Level: 10th Grade
Course Length: 2 semesters
Prerequisites: Teacher permission
Credits: 10

Advanced Placement World History is a year-long, chronological, and thematic university level course designed for disciplined and intellectually curious students. Major course themes include: interaction among major societies (i.e., trade, diplomacy, war); impact of technology and demography on peoples and the environment (e.g., population growth and decline, diffusion of diseases, migrations, economic activities and systems); comparative systems of social and gender structure; comparative cultural and intellectual developments; changes in function and structures of states. College level reading, critical analysis, discussion, problem solving, debates, essays, historiography, research, and computer labs are integral components of the course. Many colleges grant one year of college credit for World History if a student earns a “3” or better on the Advanced Placement Exam given in the spring.

NCAA Clearinghouse approved course

T60 World Geography

Level: 9th Grade
Course Length: 1 semester
Prerequisites: None
Credits: 5

World Geography provides the skills and tools of spatial analysis to better understand the patterns of people, landscape and natural phenomena of the Earth. Geography as a spatial perspective has much more to do with asking inquiry questions and solving problems than it does with rote

memorization of isolated facts. The topics of study reflect the Five Themes of Geography and the Geography Content Standards. The topics include local and world regions, climates, ecosystems, population issues, resources, international trade, environmental issues, natural hazards, geographic tools and technology.

NCAA Clearinghouse approved course

T66 Current World Affairs

Level: 11-12
Course Length: 1 semester
Prerequisites: None
Credits: 5 (elective)

As societies around the world become more interdependent and are drawn closer together by economics, politics and technology, it is more and more important for everyone to be aware of events occurring all around the globe. This course provides students with the opportunity to explore other cultures, political and economic systems and belief systems. The course is designed to allow students to present and defend their ideas and opinions about contemporary world issues and problems. Students will be expected to keep themselves well-informed on worldwide events and issues through a variety of media. The class will follow any ongoing world news stories. Study of domestic issues and news will be in the context of their effect on the rest of the world.

NCAA Clearinghouse approved course

T68 AP Human Geography wt

Level: 9-12
Course Length: 2 semesters
Prerequisites: T60 or teacher permission.
Credits: 10

AP Human Geography is a one semester, university level introduction to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students use university level geographic concepts, theories, text, computer labs, and readings to analyze world and U. S. issues from a geographic perspective, including their environmental consequences. Units include: population, the political organization of space, cultural patterns, economic development, urbanization, and agriculture.

NCAA Clearinghouse approved course

T80 Psychology

Level: 11th and 12th grade
Course Length: 1 semester
Prerequisites: None
Credits: 5 (elective)

Psychology is designed to provide students with a fundamental understanding of the science of human behavior. This class will present students with a basic view of the field of study and will cover theories of personality, mental, emotional and physical development as they relate to the understanding of behavior.

NCAA Clearinghouse approved course

T84 Sociology

Level: 11th and 12th grade
Course Length: 1 semester
Prerequisites: None
Credits: 5 (elective)

This course examines the science of understanding society and group behavior. Emphases will be on society's culture, institutions, and organizations. Students will examine values and norms, socialization, social change, social problems, and contemporary issues.

NCAA Clearinghouse approved course

T85 AP European History wt

Level: 11th and 12th grade
Course Length: 2 semesters
Prerequisites: Department recommendation
Credits: 10 (elective)

AP European History is an intensive study of history designed for above average students. The time period covered is approximately 1450 to 1970 – the high Renaissance to the recent past in Europe. Included in the course are college level reading, research, writing, critical thinking, and historiography. Many colleges will grant college credit in European History if a student earns "3" or better on the Advanced Placement exam given in the spring.

NCAA Clearinghouse approved course

T87 AP US Government & Politics wt

Level: 9-12
Course Length: 1 semester
Prerequisites: Department recommendation
Credits: 5

AP US Government and Politics is an intensive study of federal, state and local government. Students study the constitution, the operation of the different branches of government and the role of citizens in the democratic process. Foreign affairs and the role of the media and political campaigns will also be addressed in this course. Most universities will grant college credit in American Government for students that score a "3" or higher on the Advanced Placement exam given in the spring. This class meets the requirement for one semester of U. S. Government.

NCAA Clearinghouse approved course

T87 AP US Government & Politics wt

Level: 9-12
Course Length: 1 semester
Prerequisites: Department recommendation
Credits: 5

AP US Government and Politics is an intensive study of federal, state and local government. Students study the constitution, the operation of the different branches of government and the role of citizens in the democratic process. Foreign affairs and the role of the media and political campaigns will also be addressed in this course. Most universities will grant college credit in American Government for students that score a "3" or higher on the

Advanced Placement exam given in the spring. This class meets the requirement for one semester of U. S. Government. *NCAA Clearinghouse approved course*

T88 Anthropology

Level: 11th and 12th grade
Course Length: 1 semester
Prerequisites: None
Credits: 5 (elective)

Anthropology presents students with an introduction to the four main disciplines of studying human origins and development: physical anthropology, linguistic anthropology, archeology, and ethnography. The course will emphasize cultural anthropology. Topics of study include traditional societies (their religion, art, music, family and kinship systems), the development of early civilizations, and the dynamics of social change. Students are recommended to have strong backgrounds in the sciences and social studies before attempting this course.

NCAA Clearinghouse approved course

Physical Education

(5 in Comprehensive Physical Education, 10 in Physical Education Electives.)

P20 Comprehensive Physical Education

Level: 9
Course Length: 1 semester
Prerequisite: None
Credits: 5

This is a required course for all freshman students. This course provides basic orientation to the high school P.E. curriculum. Students in this course are given the opportunity to explore the variety of elective physical education courses available to them during the remainder of their high school program. Emphasis is placed on skill development and fitness. The five fitness components of cardiovascular endurance, flexibility, muscular endurance, muscular strength, and body composition will be addressed.

P24 Weight Training I

Level: 9-12
Course Length: 1 semester
Prerequisite: None
Credits: 5

This course is designed to make students aware of various lifetime physical activities. Students will improve their fitness level through a variety of activities including weight training, aerobics, swimming, cardiovascular conditioning, and circuit training. Information will be given concerning diet, sports, and muscle groups. The five fitness components of cardiovascular endurance, flexibility, muscular strength, muscular endurance, and body composition will be addressed. This course may vary depending upon the interest of the students.

P25 Weight Training 2

Level: 10-12
Course Length: 1 semester
Prerequisite: P24 Weight Training I
Credits: 5

This course is designed to go beyond the general levels and objectives of Weight Training 1. Specific workout programs (including cardiovascular workouts) will be developed to meet the needs of students toward sports participation and also toward competition in power-lift contests. All programs will include the principles of specificity and progression.

Weight room etiquette and workout ethics will also be included in this course.

P44 Aerobic Walking

Level: 9-12
Course Length: 1 semester
Prerequisites: None
Credits: 5

This course provides basic elements demonstrating how to maintain appropriate levels of cardiovascular and respiratory efficiency through a walking program.

P45 Aerobics

Level: 9-12
Course Length: 1 semester
Prerequisite: None
Credits: 5

This class focuses on aerobic exercise and utilizes many techniques to achieve the aerobic state. Choreography and dance routines are emphasized in this course. Yoga, Tae Bo, step, circuit, and a variety of dance styles are also introduced. Aerobic routines will be supplemented with proper stretching techniques, relaxation exercises, and general body fitness.

P53 Tennis 2

Level: 9-12
Course Length: 1 semester
Prerequisite: 1 -2 years experience
Credits: 5

The primary goal of this course is to assist students in developing advanced skills in tennis. Students will develop competence in the power serve, lobs, and drop shots, and advanced strategies. A balance of individual skill time, singles, and doubles competition is emphasized. Students will also develop fitness needed for success in the sport. This class is offered for the highly motivated tennis player.

P54 Racquet Sports

Level: 9-12
Course Length: 1 semester
Prerequisite: None
Credits: 5

The primary goal of this course is to assist students in developing fundamental skill in playing individual and dual activities such as tennis, badminton, table tennis, golf, bocce, and pickle ball. Along with beginning skill development, rules, etiquette, and playing strategies will also be emphasized. Students will have the opportunity to apply and improve skills through match play and challenge ladders.

P70 Team Sports

Level: 9-12
Course Length: 1 semester
Prerequisite: P20 Comprehensive Physical Education
Credits: 5

The primary goal of this course is to assist students in developing fundamental skills in various team sports. Students will also learn the history of the sport, rules, etiquette, scoring, strategies, and develop fitness needed for success. Sport areas may include: cricket, lacrosse, ultimate frisbee, handball, flag football, volleyball, baseball, softball, speedball, soccer, floor hockey, track and field, and team handball.

P74 Flag Football

Level: 9-12
Course Length: 1 semester
Prerequisite: P20 Comprehensive Physical Education
Credits: 5

Flag Football teaches the fundamental of passing, blocking, catching, rushing, and punting. Students will learn rules and team play concepts through a balance of drills and playing time. The basics of officiating football will also be taught.

P82 Basketball 2

Level: 9-12
Course Length: 1 semester
Prerequisite: P20 Comprehensive Physical Education
Credits: 5

The objective of this course is to improve the fundamental skills of the game such as passing, receiving, pivoting, dribbling, shooting, cutting, and defense. A balance of individual skill time, team drills, and team competition is emphasized. Students will also develop fitness needed for success in the sport. This class is offered for the highly motivated basketball player.

Health Education

(5 credits in Health, Living on Your Own, or Teen Challenges)

G50 Issues in Health

Level: 10-12
Course Length: 1 semester
Prerequisites: None
Credits: 5

The health curriculum for tenth grade places a strong emphasis on skill development in the areas of health knowledge acquisition, accessing health resources, practicing healthy behaviors, analyzing the influence of media and other cultural influences on health decisions developing communication skills, setting goals, and making health-related decisions, and advocating for personal, family, and community health. Topics in health are used as subject matter in teaching the skills. The essential learning results are identified as essential, desired, or optional. While all of the

identified results are important, priority is given to making sure that students have the opportunity to learn those identified as essential. The Health Education learning materials (lesson plans, student activities, parent newsletters, assessment tools) utilized to teach the curriculum emphasize experiential learning and reinforce parent-student communication and parent involvement in health education. The BVSD policy on exclusion from Health Education (IGAE) states that parents or guardians of students may exclude their children from specific portions of health instruction on the grounds that the instruction is contrary to the child's or parents religious beliefs and teachings, or contrary to closely held personal beliefs. Parents will be provided an exclusion request at the beginning of the school year (File IGAE-E).

Mathematics

(20 Credits needed. 10 in Algebra – or higher. Colleges recommend 3-4 years.)

M16 Math Standards 1

Level: 9
Course Length: 2 semesters
Prerequisites: None
Credits: 10

This course is offered to help students who are not yet ready for algebra meet state and district math standards. It is designed as an entry-level high school math course for students who need to strengthen math skills and build algebraic and geometric concepts. Additional topics covered include number relationships; data analysis, probability and

statistics; measurement tools, and, using mathematical reasoning in solving problems.

M23 Algebra 1 Basic

Level: 9 - 12
Course Length: 2 semesters
Prerequisites: None
Credits: 10

Basic Algebra 1 is an introduction to algebraic symbolism, systems of equations, graphing, problems solving, and probability and statistics. The students will build upon their previous knowledge to further understand the characteristics and representations of various functions and relations, including first degree equations and inequalities, polynomials, exponential and radical expressions, and quadratic equations. This course will move more slowly with less abstraction than Algebra 1.

NCAA Clearinghouse approved course

M31 Algebra 1

Level 9 – 12
Course Length: 2 semesters
Prerequisite: M21 or M30
Credits: 10

Algebra 1 is the study of algebraic symbolism, systems of equations, graphing, problem solving, and probability and statistics. The students will build upon their previous knowledge to further understand the characteristics and representations of various functions and relations, including first degree equations and inequalities, polynomials, exponential and radical expressions, and quadratic equations.

NCAA Clearinghouse approved course

M35 Algebra 1, Advanced

Level: 9 – 12
Course Length: 2 semesters
Prerequisite: None
Credits: 10

Advanced Algebra 1 is an in-depth study of algebraic symbolisms of equations, and inequalities, graphing, problem solving, and probability and statistics. The students will build upon their previous knowledge to further understand the characteristics and representations of various functions and relations, including first degree equations and inequalities, polynomials, exponential and radical expressions, quadratic equations complex numbers, and rational algebraic expressions. This course is designed for highly motivated and mathematically talented students.

NCAA Clearinghouse approved course

M39 Problem Solving

Level: 10 – 12
Course Length: 1 semester
Prerequisite: M51 or M50
Credits: 5

This course is designed around the concept of problem solving, critical thinking, written and oral communication. Upon successful completion of this course, students will be

proficient in many strategies of problem solving including, but not restricted to, diagram techniques, systematic lists, matrix logic, and use of patterns.

NCAA Clearinghouse approved course

M41 Geometry

Level: 9 – 12
Course Length: 2 semesters
Prerequisite: M31 or M35
Credits: 10

Geometry presents a thorough study of the structure of the postulation system and the development of formal synthetic proof. It considers the topics of congruence, parallelism, perpendicularity, properties of polygons, similarity, and the relationships of circles, spheres, lines, and planes with respect to space as well as the plane. The maintenance of algebraic skills will be emphasized.

NCAA Clearinghouse approved course

M43 Geometry Advanced, Wt.

Level: 9 – 12
Course Length: 2 semesters
Prerequisite: M35 or teacher recommendation
Credits: 10

Advanced Geometry presents a thorough study of the structure of the postulation system and the development of formal synthetic proof with an emphasis on logic. It treats the topic of congruence, parallelism, perpendicularity, properties of polygons, similarity, and the interrelations of circles, spheres, lines and planes. This course is designed for highly motivated mathematically talented students.

NCAA Clearinghouse approved course

M50 Algebra 2 Basic

Level: 11-12
Course Length: 2 semesters
Prerequisite: M41 or M40. Students who have received credit for M51 may not receive credit for this course
Credits: 10

Algebra 2 Basic parallels Algebra 2 with less rigor. The students will study number sets, relations and functions, solutions of first and second degree equations, graphing, exponential and logarithmic functions, right triangle trigonometry, and probability. Statistics and rational functions may be covered.

NCAA Clearinghouse approved course

M51 Algebra 2

Level: 10-12
Course Length: 2 semesters
Prerequisite: M31 or M41
Credits: 10

Algebra 2 emphasizes the structure of algebra. The students will study number sets, relations and functions, solutions to first and second degree equations, graphing, exponential and logarithmic functions. Counting principle, probability, statistics, matrices, and right triangle trigonometry are also

covered. They will apply their studies to develop understandings of how these topics relate to one another. Conic sections, logic, matrices, sequences and series, and advanced trigonometric topics may be included.
NCAA Clearinghouse approved course

M55 Algebra 2, Advanced wt

Level: 10-12
Course Length: 2 semesters
Prerequisite: M45 or departmental recommendation
Credits: 10

Algebra 2 Advanced will cover the concepts of Algebra 2 with more emphasis on theory and structure and applications. The students will study number sets, relations and functions, solutions to first and second degree equations, graphing, exponential and logarithmic functions, probability, statistics, and trigonometry. The students will make and test conjectures to deepen their understandings of these topics. Conic sections, sequences and series, and advanced trigonometric topics will also be covered.
NCAA Clearinghouse approved course

M58 Discrete Math

Level: 11-12
Course Length: 1 semester
Prerequisite: M51 or M50
Credits: 10

Discrete Mathematics allows for students to explore 20th century applications of mathematics. The curriculum is practical in nature and includes apportionment, graph theory, fair division, matrices and their applications to problem solving, and probability and statistics.
NCAA Clearinghouse approved course

M61 Pre-Calculus 1

Level: 11-12
Course Length: 1 semester
Prerequisites: M51 or M55
Credits: 5

This course includes the study of polynomial functions, equations, rational functions, matrix algebra, logarithmic and exponential functions, conic sections, binomial theorem, counting probability-statistics, math induction, and the three dimensional coordinate system.
NCAA Clearinghouse approved course

M62 Pre-Calculus 1 Advanced Wt

Level: 10-12
Course Length: 1 semester
Prerequisites: M55 or department approval
Credits: 5

Pre-Calculus 1 Advanced is designed for highly motivated and mathematically talented students. It covers algebraic and transcendental function, higher degree polynomials, logarithms, and trigonometry in depth.
NCAA Clearinghouse approved course

M63 Pre-Calculus 2 Advanced Wt

Level: 11-12
Course Length: 1 semester
Prerequisites: M62
Credits: 5

This course will study topics of vectors and polar functions and their related parametric equations, conics, surfaces, cylinders, ellipsoids and parabolas. It will also cover sequences, limits and series.
NCAA Clearinghouse approved course

M64 Pre-Calculus 2

Level: 11-12
Course Length: 1 semester
Prerequisites: M61
Credits: 5

This course includes the study of circular functions, special angles, graphs, identities, inverse trigonometry functions, solutions of right and oblique triangles, polar coordinate systems and their applications and vectors and their applications in two and three dimensions.
NCAA Clearinghouse approved course

M65 AP Calculus AB Wt

Level: 11-12
Course Length: 2 semesters
Prerequisites: M61 and M64 or M62 and M63
Credits: 10

This course is for students with superior motivation and ability in mathematics. AP Calculus AB examines the theory of limits, differentiation, functional analysis, and integration. Students develop problem solving skills through application. Successful students may take the advanced placement exam and have the option of receiving college credit.
NCAA Clearinghouse approved course

M66 AP Calculus BC wt

Level: 10-12
Course Length: 2 semesters
Prerequisite: M65
Credits: 5

AP Calculus BC involves further application of differentiation and integration. It also includes polar coordinates, differential equations, infinite series, and integration techniques. Successful students may take the advanced placement exam and have the option of receiving college credit.
NCAA Clearinghouse approved course

M69 AP Statistics Wt

Level: 10-12
Course Length: 2 semester sequence
Prerequisites: Algebra 2 Honors or Algebra 2 with teacher recommendation
Credits: 10

This course is designed to be equivalent to a one-semester, introductory, non-calculus based college course in statistics.

The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual theses. These are 1) exploring data - observing patterns and departures from patterns, 2) planning a study - deciding what and how to measure, 3) anticipating patterns - producing models using probability and simulation, 4) statistical inference - confirming models. Students who successfully complete the course and AO exam may receive college credit and/or advanced placement for a one-semester college statistics course.
NCAA Clearinghouse approved course

M87 Calculus 2 wt

Level: 11-12
 Course Length: 1 semester
 Prerequisite: Teacher recommendation
 Credits: 5

Topics include transcendental functions, methods of integration, polar coordinates, conic sections, improper integrals and infinite series. Students completing this course will have a thorough understanding of exponential logarithmic, hyperbolic and inverse trigonometric functions. Students have the option to register for college credit.
NCAA Clearinghouse approved course

M88 Calculus 3 wt

Level: 11-12
 Course Length: 2nd semester
 Prerequisite: Calculus 2 and teacher recommendation
 Credits: 5

Topics include transcendental functions, methods of integration, polar coordinates, conic sections, improper integrals and infinite series. Students completing this course will have a thorough understanding of exponential logarithmic, hyperbolic and inverse trigonometric functions. Students have the option to register for college credit.
NCAA Clearinghouse approved course

Art

A35 Foundations in Art

Level: 9-12
 Course Length: 1 semester
 Prerequisites: None
 Credits: 5
 Fee: \$30

Students can expect a wide variety of two-dimensional and three-dimensional experiences in this survey course. Students will be encouraged to think creatively as they develop ideas for their various assignments and discover their personal preference for creating two or three-dimensional art. The elements and principles will be stressed and art history will be an informal component. Some media possibilities could be pencil, tempera, watercolor, clay, papier-mâché, wire, tooling metal, scratchboard, mixed media and others.

A38 Art of the World

Level: 9-12
 Course Length: 1 semester
 Prerequisites: None
 Credits: 5
 Fee: \$30

Students will study the art, the geography and history of various cultures and produce two and/or three dimensional works in the style of that culture. Media used could be paint, clay, papier-mâché, wood, fibers, sand, beads, etc. Some projects could be inspired by Persian miniatures, Oaxacan sculptures, Huichol beading, African masks, Balinese Batik, Japanese silk painting, etc.

A41 Drawing & Painting 1

Level: 9-12
 Course Length: 1 semester
 Prerequisites: None
 Credits: 5
 Fee: \$30

Students can expect to gain a strong foundation in drawing and painting in this beginning level class. Composition, visual elements, principles of design, and the basic techniques and concepts of both drawing and painting will be covered. The end goals are to increase artistic self confidence, increase one's understanding of the basics of drawing/painting and to produce successful works. Media used could be various pencils, pen and ink, charcoal, pastel, watercolor, tempera, acrylic, etc. Techniques covered could include contour, crosshatching, blending, stipple, watercolor techniques, painting techniques and others.

A42 Drawing & Painting 2

Level: 9-12
 Course Length: 1 semester
 Prerequisites: Drawing & Painting 1
 Credits: 5
 Fee: \$30

This second level course builds upon the experiences of Drawing and Painting 1. Students who choose to take this course should be confident with their drawing skills and ready to produce more complex finished drawings and paintings. An emphasis will be on the development of a more

personal style, sophisticated approaches to the development of ideas, development of a greater awareness to art beyond school, and the introduction of new techniques. Artists, artistic movements and cultures may be studied as aesthetics, art history and art criticism are addressed. Media used could be various pencils, pen and ink, charcoal, oil pastel, watercolor, acrylic, etc. Techniques covered could include watercolor techniques, acrylic painting techniques, drawing techniques, and others.

A43 Drawing & Painting 3

Level: 10-12
Course Length: 1 semester
Prerequisites: Drawing & Painting 1 & 2
Credits: 5
Fee: \$30

This third level class builds upon the drawing and painting experiences of level 2. The class will provide opportunities to expand drawing, painting and related skills; to develop a personal style; to develop creative ideas; to expand one's awareness to art beyond school, and to provide instruction based on a student's particular art or career goals when desired. Proficiency in basic skills will be expected. Artists, artistic movements and cultures may be studied as aesthetics, art history and art criticism are addressed. Some media possibilities are various pencils, pastel, oil pastel, mixed media, acrylic, oil, printing inks, encaustic, egg tempera, and others.

A44 Drawing & Painting 4

Level: 10-12
Course Length: 1 semester
Prerequisites: Drawing & Painting 1,2, & 3
Credits: 5
Fee: \$30

This fourth level advanced course gives students an additional opportunity to produce drawings, paintings, and related works for a portfolio. The class will provide opportunities to expand drawing, painting and related skills; to develop a personal style; to develop creative ideas; to expand one's awareness to art beyond school, and to provide instruction based on a student's particular art or career goals when desired. Proficiency in basic skills will be expected. Artists, artistic movements and cultures may be studied as aesthetics, art history and art criticism are addressed. Some media possibilities are various pencils, pastel, oil pastel, mixed media, acrylic, oil, printing inks, encaustic, egg tempera, and others. Students may be instructed independently or as a class group.

A55 Studio Art 1

Level: 9-12
Course Length: 1 semester
Prerequisites: None
Credits: 5
Fee: \$30

This is a basic course designed to expose students to commercial/studio art techniques and thinking processes. Design will be stressed with a variety of materials and

techniques utilized to produce finished works of art for commercial purposes. Students will become knowledgeable producers and consumers of visual art. Students may be instructed in commercial design, graphic design, textiles, fiber design, jewelry design, animation, printmaking, bookmaking and other two and three dimensional art experiences. Students may be instructed in basic design principles, drawing, lettering, painting, airbrush, mixed media and others

A56 Studio Art 2

Level: 9-12
Course Length: 1 semester
Prerequisites: Studio Art 1
Credits: 5
Fee: \$30

This is a second level course designed to give students time to expand their skills and increase their confidence in the area of commercial/studio art. Proficiency of basic skills will be expected and more advanced assignments will be given. Students may be directed individually or as a class group.

A61 Pottery/Sculpture 1

Level: 9-12
Course Length: 1 semester
Prerequisites: None
Credits: 5
Fee: \$30

This is a foundation course that emphasizes the art elements and principles of design to produce nonfunctional and functional three-dimensional art forms constructed from clay and other materials. Students may explore both functional and nonfunctional forms using hand-building, the potter's wheel, and various other sculptural techniques. Some possible media to be used are clay, wood, papier-mâché, fibers, found objects, yarns, plaster and others.

A62 Pottery/Sculpture 2

Level: 9-12
Course Length: 1 semester
Prerequisites: Pottery/Sculpture 1
Credits: 5
Fee: \$30

This second level course will build upon experiences in Pottery/Sculpture 1. Students will be challenged with more advanced techniques and problems in the area of pottery and sculpture to create both functional and nonfunctional three-dimensional forms. Students may explore in greater depth the process of hand-building, the potter's wheel, and other sculptural techniques. New firing techniques, different clay bodies, new glazes and new sculpture techniques may be introduced. Some possible media to be used are clay, wood, papier-mâché, fibers, found objects, yarns, plaster and others.

A63 Pottery/Sculpture 3

Level: 10-12
Course Length: 1 semester
Prerequisites: Pottery/Sculpture 1 & 2
Credits: 5
Fee: \$30

This third level course will build upon experiences in level 2. Students will be challenged with more advanced techniques and problems in the area of pottery and sculpture to create both functional and nonfunctional three-dimensional forms. Students may explore in greater depth the process of hand-building, the potter's wheel, sculptural techniques, firing techniques, clay bodies, glazes and sculpture techniques. Some possible media to be used are clay, wood, papier-mâché, fibers, found objects, yarns, plaster and others.

A64 Pottery/Sculpture 4

Level: 10-12
Course Length: 1 semester
Prerequisites: Pottery/Sculpture 1, 2 & 3
Credits: 5
Fee: \$30

This fourth level course will build upon experiences in level 3. Students will be challenged with more advanced techniques and problems in the area of pottery and sculpture to create both functional and nonfunctional three-dimensional forms. Students will refine techniques and increase skill levels. Students may explore in greater depth the process of hand-building, the potter's wheel, sculptural techniques, firing techniques, clay bodies, glazes and sculpture techniques. Some possible media to be used are clay, wood, papier-mâché, fibers, found objects, yarns, plaster and others.

A71 Photography 1

Level: 10-12
Course Length: 1 semester
Prerequisites: None
Credits: 5
Fee: \$35

This introductory course to traditional black and white 35mm photography teaches basic camera handling, film processing, and darkroom procedures. Students learn how to control light to produce an aesthetically pleasing image on light sensitive film. Composition and the elements and principles of art are addressed. In addition, pinhole cameras, photograms, special effects, and the history of photography may be addressed.

A72 Photography 2

Level: 10-12
Course Length: 1 semester
Prerequisites: Photography 1
Credits: 5
Fee: \$35

This second level course will build upon experiences of level 1. This course deals with improving the student's ability to

see, take and create a photographic image. Students may be given opportunities to work with sepia toning, hand coloring, multiple images, slides, special films, digital images, and other photo techniques and processes. Exemplars in photography may be studied.

A73 Photography 3

Level: 11-12
Course Length: 1 semester
Prerequisites: Photography 1 & 2
Credits: 5
Fee: \$35

This third level course will build upon experiences of level 2. This course deals with improving the student's ability to see, take and create a photographic image. Students may be given opportunities to work with medium format, sepia toning, hand coloring, multiple images, slides, special films, digital images, specialty lenses, filters and other photo techniques and processes. Exemplars in photography may be studied.

A74 Photography 4

Level: 11-12
Course Length: 1 semester
Prerequisites: Photography 1, 2 & 3
Credits: 5
Fee: \$35

This fourth level course will build upon experiences of level 3 to expand darkroom and photo taking skills and increase the confidence of the students as photographers. Students may be given opportunities to work with medium format, sepia toning, hand coloring, multiple images, slides, special films, digital images, specialty lenses, filters and other photo techniques and processes. Exemplars in photography may be studied. Some instruction may be given on an individual basis with the student's particular career goals or artistic vision in mind.

A85 AP Art History

Level: 12
Course Length: 2 semesters
Prerequisites: None
Credits: 10
Fee: \$30

AP Art History offers both the artistically inclined and those wishing to learn art history the opportunity to do so with the possibility of earning college credit at the same time. This college-level course covers art history from the beginning of time up until present day, exploring many different cultures. Students will become knowledgeable producers and consumers of visual art: some lessons will also address the visual art's standards. Students may take the advanced placement exam at the end of the course and possibly receive college credit. Instruction may include traditional slide format, videos, DVDs, lectures, field trips, written work and art projects.

Music

N31 Music Theory 1

Level: 9-12
Course Length: 1 semester
Prerequisites: None
Credits: 5
Fee: \$40 for lab workbook

Music Theory I is a course that presents students with an opportunity to broaden their knowledge of the fundamental elements of music. Included in the study are rhythm, melodic line, harmonic structure, ear-training, and sight-singing.

N33 AP Music Theory

Level: 9-12
Course Length: 1 semester
Prerequisites: Teacher recommendation
Credits: 5
Fee: \$40 for lab workbook

AP Music Theory is a course in music composition. Ear-training, sight-singing, and composition will be augmented with the study of four-part writing. The College Board Advanced Placement course syllabus provides the curriculum guide for this course.

N40 Performance Class

(Guitar)

Level: 9-12
Course Length: 1 semester
Prerequisites: None
Credits: 5
Fee: \$20

Performance Class is a course designed to give students who are interested in some aspect of performance a place to experiment and perform. The atmosphere will be one of open form, emphasizing self-evaluation as well as group critique. Students will perform in both solo and group capacity in a variety of artistic areas. Professionalism, stage presence, and overall effectiveness will be stressed as well as performance techniques, effective arranging, and ensemble techniques

N56 Women's Choir

(Treble Choir)

Level: 9
Course Length: 2 semesters
Prerequisites: None
Credits: 10
Fee: \$20

Choir for women is a vocal ensemble designed to introduce singers to choral ensembles at the high school level. A wide variety of vocal techniques will be presented and utilized. Culminating performances are a meaningful and mandatory component of this class.

N60 Concert Choir

Level: 9-12 (9-12 men; 10-12 women)
Course Length: 2 semesters
Prerequisites: None
Credits: 10
Fee: \$20

Concert Choir elaborates on concepts and techniques explored in Choir. A wide variety of vocal techniques will be presented and utilized. Culminating performances are a meaningful and mandatory component of this class.

N62 Select Women's Choir

(Women's Chamber)

Level: 10-12
Course Length: 2 semesters
Prerequisites: Audition or Instructor's Consent
Credits: 10
Fee: \$20

Select Choir for women is a more advanced ensemble focusing on more difficult choral works. Emphasis will be placed on developing more advanced musicianship and professionalism. A wide variety of advanced vocal and choral techniques will be explored in-depth. Culminating performances are a meaningful and mandatory component of this class.

N64 Select Mixed Choir

(Madrigals)

Level: 11-12
Course Length: 2 semesters
Prerequisites: Audition or Instructor's Consent
Credits: 10
Fee: \$20

Select Choir is a more advanced ensemble focusing on more difficult choral works. Emphasis will be placed on developing more advanced musicianship and professionalism. A wide variety of advanced vocal and choral techniques will be explored in-depth. Culminating performances are a meaningful and mandatory component of this class.

N71 Band Level 1

(Symphonic Winds)

Level: 9-12
Course Length: 2 semesters
Prerequisite: At least 3 years of study of a band instrument or appropriate experience or permission of instructor
Credits: 10
Fee: TBA

Band Level 1 is a course that emphasizes the organization, preparation, and performance of a variety of band music. The year-long course will explore both the marching and concert bands. Included in the course is the study of those

basic musical and physical coordination skills for band performances. In addition, a variety of group and individual leadership programs are presented. Public performances after school hours are an integral part of the course and are required.

N72 Band Level 2

(Wind Ensemble)

Level: 9-12
Course Length: 2 semesters
Prerequisite: Audition or instructor's consent
Credits: 10
Fee: TBA

Band Level 2 is a course that further explores the organization, preparation, and performance concepts of a contemporary band. The year-long course will further explore both the marching and concert band idioms. Included is the study of more intricate music and both affective and physical coordination skills necessary for band performances. In addition, a variety of group and individual leadership positions will be available. Public performance after school hours is an integral part of the course and is required.

N73 Band Level 3

(Drumline)

Level: 10-12
Course Length: 2 semesters
Prerequisite: At least 4 years of study of a percussion instrument, appropriate experience or permission of instructor
Credits: 10
Fee: TBA

Band Level 3 is a course that emphasizes the highest degree of band performance. The Level 3 students assume many of the varied responsibilities of organizing the band and rehearsals. The year-long course will further explore some of the most complex aspects of a performing band program. In addition, special opportunities are given for leadership training. Public performances after school hours are an integral part of the course and are required.

N75 Jazz Band 1

Level: 9-12
Course Length: 2 semesters
Prerequisite: At least 3 years of study of a jazz band instrument and/or approval of instructor
Credits: 10
Fee: \$75

Jazz Band 1 is a course that offers student musicians experience in and the opportunity to perform the musical forms of jazz, rock, and popular music with additional emphasis on advancing improvisational techniques. Public performances after school hours are an integral part of the course and are required.

N76 Jazz Band 2

Level: 9-12
Course Length: 2 semesters
Prerequisite: At least 3 years of study of a jazz band instrument and/or approval of instructor
Credits: 10
Fee: \$75

Jazz Band 2 is a course that offers student musicians experience in and the opportunity to perform the musical forms of jazz, rock, and popular music with additional emphasis on advancing improvisational techniques. Public performances after school hours are an integral part of the course and are required.

N77 Jazz Band 3

Level: 10-12
Course Length: 2 semesters
Prerequisite: Appropriate experience in playing a jazz band instrument and/or permission of instructor
Credits: 10
Fee: \$75

Jazz Band 3 is a course that offers student musicians experience in and the opportunity to perform the musical forms of jazz music with additional emphasis on advancing improvisational techniques. Public performances after school hours are an integral part of the course and are required.

N81 Orchestra Level 1

Level: 9-12
Course Length: 2 semesters
Prerequisite: Previous study of a stringed orchestral instrument
Credits: 10
Fee: \$75

Orchestra Level 1 offers technical and musical training and opportunities for development in group settings for orchestral musicians. Students become familiar with great works of music as well as developing technical and personal growth. Winds and percussion may be incorporated to provide for a full orchestral experience. Performances after school hours are an integral part of the course and are required.

N82 Orchestra Level 2

(Advanced Orchestra)

Level: 10-12
Course Length: 2 semesters
Prerequisite: Audition or instructor's consent
Credits: 10
Fee: \$75

Orchestra Level 2 offers technical and musical training at an advancing level and opportunities for development in group settings for orchestral musicians. Students become familiar with great works of music as well as developing technical and personal growth. Winds and percussion may be incorporated to provide for a full orchestral experience. Performances after school hours are an integral part of the course and are required.

Consumer and Family Studies

H20 Catering 1

Level: 10-12
Course Length: 1 semester
Prerequisites: None
Credits: 5
Fee: \$30

Broaden your understanding and appreciation of food! Learn about nutrition and food preparation while applying new skills in a lab experience and catering events. Projects reflect worldwide culinary traditions, while respecting current diet and nutrition guidelines. Class format includes hands-on instruction, cooperative activities, individual and group projects, and guest speakers.

H21 Catering 2

Level: 10-12
Course Length: 1 semester
Prerequisites: H20
Credits: 5
Fee: \$30

Catering 2 provides the opportunity to apply advanced skills in a restaurant or catering format. Catering projects will reflect the culinary traditions of the United States as well as international cuisine. Class format includes but is not limited to cooperative lab experiences, individual and group projects, presentation by guest speakers, and use of a variety of state of the art technologies. Personal and leadership activities from the vocational student organization Family, Career and Community Leaders of America are integrated into class activities. Consistent daily participation is expected.

H30 Fashion Production

Level: 9-12
Course Length: 1 semester
Prerequisites: None
Credits: 5
Fee: \$15

Students will develop career and technical skills in the areas of fashion merchandising, design and apparel production. Practical experiences will be provided through labs and projects. Units include fashion theory, elements and principles of design, merchandising, pattern alterations, apparel production, and clothing care. Students will provide their own materials for apparel production projects.

H42 Interiors

Level: 10-12
Course Length: 1 semester
Prerequisites: None
Credits: 5
Fee: \$15

Create it, design it and decorate it from floor-to-ceiling, wall-to-wall and everything in between. A variety of applied interior design projects will integrate knowledge, skill and practices required for personal enjoyment and careers in housing, interiors, and furnishings. Students will be responsible for creating a final design project that applies the principle learning in the course.

H50 Living on Your Own - Year

Level: 11-12
Course Length: 2 semesters
Prerequisites: None
Credits: 10
Fee: \$20

Either semester may be taken separately. Note: H-51 can be used for the semester course if the student is not enrolled in the year-long sequence.

This year-long course is designed to help you sharpen your focus on your own life. It is to help you gain a clear picture of who you are, how you got that way, and most importantly, to help you make wise choices in your life. Topics include: relationships, housing, personal finance, parenting, communications, healthy lifestyle, food and nutrition, and preparing for life after high school.

H61 Child Development

Level: 10-12
Course Length: 1 semester
Prerequisites: None
Credits: 5

Child Development offers the opportunity to develop a positive understanding of the growth and development of children and parenting skills. Class activities will emphasize the responsibilities and challenges of parenting. Also, the class may include a play school whereby students apply techniques of working with children.

H74 Teen Challenges

Level: 9-12
Course Length: 1 semester
Prerequisites: Recommended for all 9th/10th grade students. Parental permission is required.
Credits: 5 practical arts OR 5 Health credits

What are the problems that you have to face as a ninth or tenth grade student? How can you know what would be the

best decisions for your life? Here is an opportunity to examine challenges and options that teenagers face in developing relationships and making healthy choices. The following topics will be emphasized: personal development and goal setting, communication and conflict resolution skills, developing positive relationships, understanding

sexuality, wise decision-making skills, healthy lifestyles, teens and the law, violence in society, substance abuse and addiction. The class is a chance to compare your ideas, thoughts and experiences with other students and experts in the community. BVSD Health Curriculum topics will be covered.

Business Education

B11 Word Processing I

Level: 9-12
Course Length: 1 semester
Prerequisites: None
Credits: 5

This semester course is a review of the keyboard on an individual basis with emphasis on mastery in speed, accuracy, personal business letters and simple tabulation.

B12 Word Processing II

Level: 9-12
Course Length: 1 semester
Prerequisites: B11
Credits: 5

This semester course will place emphasis on production of letters, manuscripts, tabulations, skill building, and employment applications, modern office communications and a strong emphasis on speed and control development.

B41 Business Foundation

Level: 9-12
Course Length: 1 semester
Prerequisites: None
Credits: 5

Design a business in project form and attempt to make profitable decisions! Learn how to use the computer as a tool as you formulate and present your business decisions. Units of instruction may include: forms of business ownership, factors in locating a business, marketing, finance, obtaining and training employees, financial statements, and small business managements.

B42 Finance

Level: 9-12
Course Length: 1 semester
Prerequisites: None
Credits: 5

This one semester course is designed to help students develop their abilities to make wise consumer decisions by recognizing, understanding, and comparing the alternatives facing them as consumers. Budgeting, purchasing decisions and consumer credit, banking services, investing, life, auto, and property insurance, income taxes and housing are some of the topics covered.

B44 Business Law

Level: 11-12
Course Length: 1 semester
Prerequisites: None
Credits: 5

This one semester course is for students interested in acquiring basic knowledge of the legal framework of our society. The content may include history, development, and classification of laws; personal and business law related to everyday life; contract law; the court system and courtroom procedures; legal terminology; and crime classification.

B52 Accounting 1

Level: 10-12
Course Length: 1 semester
Prerequisites: None
Credits: 5

This is a one semester introductory course in double entry accounting procedures. Students will learn to keep financial records for a service or retail business. Principles covered include the bookkeeping cycle, debt credit theory, financial statements, use of various journal and ledgers, worksheets, accounts receivable and payable, and payroll systems. Computers will be used for simulation and projects.

B53 Accounting 2

Level: 10-12
Course Length: 1 semester
Prerequisites: B52 Accounting I
Credits: 5

This is a continuing course in double entry accounting procedures. Students will learn to keep financial records for a service or retail business. Principles covered include the bookkeeping system, debit credit theory, financial statement, use of various journal and ledgers, worksheets, accounts receivable and payable, and payroll systems. More emphasis will be placed on computerized accounting.

B60 Business Management

Level: 10-12
Course Length: 1 semester
Prerequisites: B41 or B 52 recommended
Credits: 5

Students apply the management principles of planning, organizing, directing and controlling by forming and

managing their own companies. Students learn to use computers for preparing presentations, weekly cash flow projections, selling price spreadsheets, and annual reports to stockholders. Presentations by local business owners, university professors and the Small Business Development Center provide information about starting their own business.

B71 Business Internship

Level: 11-12
Course Length: 1 semester
Prerequisites: None
Credits: 5 - 10

Business internship available by instructor permission to students who are enrolled in the Business Program. Students must be at least 16 years old and able to work at least 15 hours per week in positions approved by the teacher-coordinator. Close contact will be maintained between the businesses and the instructors.

B81 Marketing 1

Level: 10-12
Course Length: 2 semesters
Prerequisites: None
Credits: 10

This is a one-year introductory course for students interested in marketing. The course explores the fundamentals of marketing including economics, sales, product/service planning, promotion/advertising, market research logistics, human relations, communications, and marketing career development. Membership in the student marketing organization, DECA, is an integral part of the Marketing program.

B82 Marketing 2

Level: 11-12
Course Length: 2 semesters
Prerequisites: B81
Credits: 10

Advanced Marketing is the second or third year course in the Marketing program for students interested in careers in the field of marketing and management, global marketing, and entrepreneurship. The content emphasizes strategic marketing, marketing management, business operation and the global marketing environment. The course challenges students to apply their classroom instruction through business simulations and interaction with the business community. Students will develop a business plan and demonstrate the application of marketing skill and concepts within the business environment. Membership in the student marketing

organization, DECA, is an integral part of the Marketing program.

B83 Marketing Internship

Level: 11-12
Course Length: 2 semesters
Prerequisites: B81 or B82 and instructor approval
Credits: up to 10

Be a success in the business world! Marketing internship gives students the opportunity for practical application of the concepts learned from the marketing classroom to a real-world paid experience. Marketing internship is available as an option to students who are enrolled in the Marketing Program and have received the instructor's permission to enroll. Students must be at least 16 years old and able to work at least 15 hours per week in positions approved by the teacher-coordinator in the field of marketing.

B84 Marketing Lab

Level: 11-12
Course Length: 2 semesters
Prerequisites: B81 or B82 or instructor approval
Credits: 5 per semester

Marketing Program students enroll in one year Marketing Lab to receive high school credit for non-paid work experiences related to a business enterprise. Positions must be approved by the Marketing instructor.

B85 Marketing 3

Level: 12 or instructor approval
Course Length: 2 semesters
Prerequisites: B81 Marketing, B82 Marketing
2
Credits: 10

This course is designed for students with a career interest in marketing, management or business who plan to continue their education. Marketing 3 will provide students with the opportunity to expand their knowledge of marketing from a management perspective. This course focuses on ethics, economics, information-management, product planning, pricing, promotion, purchasing, distribution, finance, the global marketplace, and the development of business and marketing plans. Classroom instruction will be reinforced through the use of case studies, guest lecturers, field trips, computer simulations and specialized career study. Membership in the student marketing organization, DECA, is an integral part of the Marketing program.

Computer Science

D77 Java

Level: 9-12
Course Length: 1 semester
Prerequisites: None
Credit: 5

This one semester introductory course to Java programming presents an overview of object oriented programming style as it differs from procedural programming. Topics include but are not limited to: data types, variables, and arithmetic, strings, arrays, streams and files, graphics, and methods and constructions.

D78 AP Computer Science Java wt

Level: 10-12
Course Length: 2 semesters
Prerequisites: D77, D81, D84 or instructor approval
Credit: 10

This year long course prepares students for the AP Computer Science test. Topics include advanced coursework in data types, variables, and arithmetic; strings, arrays, graphics, methods and constructions, etc.

D81 Computer Basic Programming

Level: 9-12
Course Length: 1 semester
Prerequisites: None
Credit: 5

This one semester course provides an introduction to computer programming using the BASIC language. It emphasizes fundamental instruction in problem analysis, which in turn will provide for well-structured programs.

Students will write programs, edit for mistakes, and run their programs on the computer.

D86 C++ Programming wt

Level: 10-12
Course Length: 2 semesters
Prerequisites: D81, D77 or D84
Credit: 10

This is an advanced full year course using the C++ programming language. C++ allows the standard numeric and text manipulation features but incorporates object-oriented models and concepts. Students will write a variety of programs. 5 credits per semester/weighted.

D87 Internet/Web Page Design

Level: 9-12
Course Length: 1 semester
Prerequisites: None
Credit: 5

This semester course is designed to use some of the programming skills in other classes and apply them to web development.

D89 Advanced C++ wt

Level: 10-12
Course Length: 2 semesters
Prerequisites: D86 C++ Programming, wt
Credit: 10

This is a second year advanced C++ programming course. More templates, classes, graphics, and group projects in C++ are covered.

Design and Engineering Technology

J10 Drafting

Level: 9-12
Course Length: 1 semester
Prerequisites: None
Credits: 5 - 10

Drafting is the root of all industry. This entry-level, project-based class will expose the student to AutoCAD, which is the primary tool used by engineers and architects. They will complete units in sketching, geometric constructions, isometric views and layout. Supplemental focus will include an introduction to various forms of engineering. Students will need to purchase some supplies, and there is a fee assessed for paper costs. One or two semesters. 5-10 credits. (May be repeated at advanced level). Grades 9-12.

J25 Design Technology 1

Level: 9-12
Course Length: 1 semester
Prerequisites: None
Credits: 5

This course can be taken multiple times for credit. The Applied Tech lab offers a unique opportunity to experience a hands-on approach to current technology. Students are exposed to several areas, that may include: design in Video Editing, Animation and Graphics, Plastics, CAD/CAM, Digital Electronics, Music Editing, Website Design, Vinyl Sign-Making and Laser Engraving. After students complete introductory projects, further exploration in a selected field will take place as they expand their learning through various intermediate self-directed projects. One semester. 5 credits. Grades 9-12.

J26 Design Technology 2

Level: 9-12
Course Length: 1 semester
Prerequisites: None
Credits: 5

This second level Applied Tech lab offers opportunities to expand the student's hands-on approach to current technology. After students are exposed to several areas of design, they may advance their studies in areas that may include Television Production/Video Editing, Animation and Graphics, Plastics, CAD/CAM, Digital Electronics, Music Editing, Website Design, Vinyl Sign-Making and Laser Engraving. Students will further advance their studies in complete selected fields which will expand their learning through intermediate and advanced self-initiated projects. This course can be taken multiple times for credit.

J31 Industrial Design: CAD

Level: 9-12
Course Length: 1 semester
Prerequisites: None
Credits: 5
Fee: TBA

Industrial Design takes the student with drafting core knowledge, and puts focus on the design phase. This is a process which takes an idea from the mind and puts a product in the hand. This class will also place a secondary focus on the expansion of their CAD knowledge and the use of the program to design machines to solve problems. There is a

fee for materials used and there is some work expected out of class as well.

J32 Architecture

Level: 10-12
Course Length: 1 semester
Prerequisites: J10 or instructor approval
Credits: 10

Architecture is designed to take the student with drafting/CAD knowledge, and focus on residential design and construction. Students will be introduced to many facets of construction, and then they will design a residential structure. Upon completion of the class, the expectation will be for them to have produced a near full set of plans that could be used to build a house.

J37 Robotics in the 21st Century

Level: 9-12
Course Length: 1 semester
Prerequisites: None
Credits: 5

Want to build a robot? Here's your chance! We'll develop skills in mechanical design (CAD), and construction as we work in teams to build simple robotic devices. We will explore usage of robotics in modern business and industry and examine how robotic devices are affecting our lives and shaping our culture. Emphasis will be on the creation of a robotics team to represent the high school at local, regional and national events such as the FIRST robotics competition.

Other Credit Options

(See your counselor about the following options).

N55 Men's Choir

(Chaos)

Level: 9-12
Course Length: 2 semesters
Prerequisites: None
Credits: 2.5 each semester/5 total for the year

Choir for men is a vocal ensemble designed to introduce singers to choral ensembles at the high school level. A wide variety of vocal techniques will be presented and utilized. Culminating performances are a meaningful and mandatory component of this class.

Study Hall

Level: 9-10
Course Length: 1 semester
Credits: None

Students with less than seven classes each semester will automatically have a study hall for their seventh class.

Library, Office and Student Assistants

Level: 9-12

Course Length: 1 semester
Prerequisites: by application
Credits: 5
Grades: Pass/Fail

Academic Assistant

Level: 11-12
Course Length: 1 semester
Prerequisite: by application
Credits: 5

At Monarch K-8 only for students interested in education fields.

Independent Studies

Level: 11 – 12
Course Length: 1 semester
Prerequisite: by application
Credits: 5

If a student wants to take an independent study course in a content area, he or she must complete an Independent Study Contract with a teacher willing to sponsor the independent study. A teacher may sponsor an independent study only if

he or she is “highly qualified” in the content area of the independent study. The student and teacher must obtain the approval of the building administrator. Independent study will be approved only in advance and if it falls into one of the following categories: (a) study that goes beyond the academic program available at the school; (b) study that duplicates an elective class but which is unavailable to the student; (c) study that is truly individualized and cannot be taught within the curriculum; or, intensive summer programs or travel.

Correspondence High School Programs

Level: 9 – 12
Course Length: 1 semester
Prerequisite: by application
Credit: A maximum of 15 credits may be earned this way

See your counselor for details.

Post-secondary Options Program/Concurrent Enrollment

Level: 11 -12
Course Length: 1 semester
Prerequisite: by application
Credits: 5

This program is for students needing course work at a higher academic level than available at the high school. Course(s) must meet the following criteria: 1) satisfies graduation requirement in content or grade. 2) is not offered at student’s school or not available as a result of scheduling conflicts. 3) student has exhausted all offerings in curriculum pathway. 4)

course prerequisites may apply. See counselor for application into program.

Community Service

Level: 9 -12
Offered: 100 volunteer hours
Prerequisites: by application
Credits: 5

Students must register for this course by completing the application and be approved before volunteering for service. Students will be required to keep a journal, write a one page essay based on research, and document their hours. The volunteer hours may be completed during the summer if approval is given by May 31. Please consult your counselor for more information. This course is in addition to a student’s regular class load.

X61 Student Government

Level: 9-12
Offered: 2 Semesters
Prerequisite: Election/selection to serve/teacher permission
Credits: 10

Students enrolled should have an interest in student leadership and government. Students will have an opportunity to continue the work of student government at Monarch High School. They will take part in representative government and engage in decision making and voting on behalf of their fellow students. Class time will be used to learn leadership skills by engaging in the work of a government body. Course may be repeated for credit. Class can only be taken with teacher permission.

Technical Education Center (TEC)

Boulder Valley School District – Technical Center offers a variety of programs listed below. You must be 15 years old and work with your counselor to fit these programs into your four-year-plan to meet graduation requirements.

If you are interested in any of these programs, please come by counseling to pick up a complete listing of classes and arrange to meet with a representative from TEC who visits our school weekly.

Automotive Technology Program

This is a one semester, one and/or two-year certificate program in which students learn state-of-the-art technologies and practices related to testing, diagnosing, and repairing of automotive equipment.

Banking / Accounting Program

This is a one semester, one and/or two-year certificate program including theory/practices of monetary systems, accounting practices, teller skills, and financial products/services.

Career Experience Program

V90 Community-Based Career Experience (up to 15 credits)

Level: 11-12
Course Length: 1 semester
Prerequisites: Age 16 or instructor permission
Credits: up to 15

Offered on a semester basis through Boulder TEC, students receive variable high school credit for work experience which is verified through time sheets, paychecks, and site visits. Students must be 16 and successfully work a 17 hour week for 18 weeks at an agreed upon compensation rate. Students also attend a three hour workshop and participate in individualized lessons covering work related topics such as resume writing, job interviewing, safety/health/OSHA, liability, sexual harassment/discrimination, work ethics, and

personal finance. Special needs students will receive work experience relevant to their established IEP.

Computer Information Systems/CISCO

The Boulder TEC IT Academy Department offers one-semester, one and/or two year certifications in Microsoft, CISCO, Net+, Security+, and A+.

Construction Trades Program

This is a one and/or two-year certificate program that prepares students for entry or higher-level jobs in construction and related trades. Students work at a building site and learn basics of the construction trade with an emphasis on safety, leadership and team work.

Cosmetology Program

Certificates offered in Hairstyling, Nail Technology and/or Cosmetician coursework. Students learn theory and practice in hair cuts, tinting, perms, setting and styling, nail technology and skin care.

Engineering Graphics Technology Program

Offers one and/or two-year certificate programs in Architectural Design or Engineering Graphics in which students learn state-of-the-art technologies and practices related to computer aided drafting and design.

Graphic Communications Program

This is a one-semester, one and/or two-year certificate program where students learn state-of-the-art technologies and practices related to graphic arts and printing.

Health Occupations Program

Offers a one semester certificate program in Certified Nursing Assistant, Veterinary Assistant or Pet Grooming. Students learn the basics of assisting in the health care field through classroom instruction and practice and work in clinical setting.

Multimedia Technology Program

This is a one and/or two-year certificate program incorporating state-of-the-art software and hardware used to produce multimedia products that may include animation, video, music, 3D, and other effects. Products include concept presentations, artwork, photography, video clips, portfolios, stationery, posters, flyers, and other marketing and advertising tools.

V66 CTE Internship (up to 15 credits)

Level: 11-12
Course Length: 1 semester
Prerequisites: Enrollment in a TEC Program, age 16, and instructor permission
Credits: up to 15

