

Academic Planning Guide

Broomfield High School

#1 Eagle Way, Broomfield, CO 80020 (720) 561-8100

2011 - 2012

Course Selection to be completed
by 4 p.m. on March 11, 2011



Home of the Eagles

BOULDER VALLEY SCHOOLS VISION STATEMENT for THE NEW CENTURY GRADUATE

The vision of Boulder Valley School District is to graduate students in the New Century who have the knowledge, skills, and personal characteristics that will prepare them for the challenges they will encounter as adults. In addition to skills and knowledge in reading, math, writing, and speaking, New Century Graduates will possess a multicultural and global perspective. New Century Graduates' personal characteristics will include respect for others, initiative, creativity, ethical behavior, and other characteristics that will enable them to become contributing members to society.

BROOMFIELD HIGH SCHOOL MISSION STATEMENT

Broomfield High School will:

1. create an opportunity for students to develop their intellectual, vocational, creative, and physical potentials within a challenging curriculum in a safe, inclusive, and motivational environment.
2. nurture in students diverse and lasting experiences that extend beyond the classroom.
3. recognize and support student and staff contributions and achievements.
4. provide the community a focal point for activity, involvement, and civic pride.

B H S
We Live It!

Be Respectful.

Honor Yourself and Others.

Strive for Excellence.

ADMINISTRATION:

Principal Ginger Ramsey
Assistant Principal Craig Boccard
Assistant Principal Nick Barnes
Assistant Principal/A.D. John Long

COUNSELORS:

Janice Dempsey
James Greene
Gina Malecha
Sheila Powers-Wright

PREFACE

The Broomfield High School Academic Planning Guide contains the information you need to select your program of study for the 2011 - 2012 school year. Your course selection should be a result of careful consideration of your educational and career goals and should be guided by discussions with your parents, teachers, and counselors. Graduation requirements are designed to give you a well balanced high school education. Included in the requirements is the opportunity to select several elective credits. These, if carefully chosen, will help you explore and develop your own interests and abilities. In planning your course of study you should consider the following:

- (1) Before selecting a course, read the description to be sure it fits your needs, interests, and abilities. Also, be sure that you have completed the prerequisite classes necessary for enrollment.
- (2) Applications are required for enrollment in certain courses, as designated in the descriptions. Honors/A.P. courses may have further expectations.
- (3) College entrance requirements and/or your career plans for the future should be considered in selecting courses. (See CCHE Standards to the right.)
- (4) **Once a course of study is selected, students will be expected to complete those courses during the upcoming year.**

STEPS TO FOLLOW:

1. Look over the course offerings.
2. Read the course descriptions.
3. **Circle** the courses you have selected.
4. Obtain and complete applications required for selected courses.
5. Check your course selections with your counselor and teachers.
6. Register online.

**MONEY MANAGEMENT/
PERSONAL FINANCE**

The Money Management/Personal Finance BVSD graduation requirement may be completed online. To access the course, please see your counselor.

If you choose not to complete the online option, the following courses offered at Broomfield High will also meet the Money Management/Personal Finance requirement for graduation:

- B42 Finance
- B52-B53 Accounting 1 & 2
- B60 Business Management
- H50 Living on Your Own
- H81 Wage Earning
- T74 Economics

GRADUATION REQUIREMENTS

The Boulder Valley School District requires that a minimum of **220 credits** be earned in grades 9-12. The following credits must be earned in the areas listed below:

Language Arts	40
Courses meeting L.A. requirements are listed in the Language Arts section of this guide. Students must complete five credits of Communications.	
Social Studies	30
5 in U. S. Government* 5 in World Geography* 10 in World History 10 in U. S. History (*CORE meets both of these.)	
Math	20
(Must complete 10 credits in Algebra 1 or higher)	
Science	20
10 Life Science 10 Physical Science	
Physical Education	15
Health (by grade 10)	5
Fine Arts (Art or Music)	5
World Language	10
Level 2 or higher. For ELL students only, approved level of English language acquisition	
Practical Experience	5
5 credits in Computer Science or Applied Technology (unless fulfilled in middle school) otherwise, 5 credits in Business, Family and Consumer Science, Industrial Tech, or technical education course	
Money Management and Personal Finance Requirement	
(completion of an online course OR approved BHS course)	
Approved Electives	70-80

**COLORADO COMMISSION
ON HIGHER EDUCATION
STANDARDS**

1. English - 4 years
2. Mathematics - 4 years (must include Algebra 1, Geometry, Algebra 2, and an additional approved course)
3. Natural Science - 3 years (to include two lab classes)
4. Social Science - 3 years (must include U.S. or World History)
5. World Language - 1 year
6. Academic Electives* - 2 years

* Acceptable academic electives may include additional English, mathematics, natural or social sciences, OR two years of world language, OR courses in computer science, art, music, journalism or drama. **Some colleges and universities strongly recommend that students have at least two years of world language.**

**REGISTRATION
CALENDAR:**

- February 10, 2011 - BHS Parent Teacher Conferences for class advisement
- February 22, 2011 through 4 p.m. on March 11, 2011 - Online course selection in Infinite Campus
- February 28, 2011 - Academic Planning Night at BHS for eighth graders and their parents, 7 p.m. (optional meetings with coaches at 6 p.m.)

COLLEGE ENTRANCE REQUIREMENTS

About 90 percent of our students plan to continue their formal education after graduation. Should your plans include post-secondary education, you should keep in mind the following factors upon which college admission is dependent:

1. High school scholastic record as reflected in grade point average. The high school record of achievement still serves as the best predictor of academic success in college. Grades are important. Grades from all four years appear on your transcript. Academic honors will be determined by your cumulative Grade Point Average through the first semester of your senior year. Honors include Summa cum laude, Magna cum laude and Cum laude distinctions.

2. The Index: The Colorado Commission on Higher Education sets an academic standard for admission to all four-year public Colorado colleges and universities. This standard is commonly called the Index. The Index gives an admission standard number which represents both the grade point average and the college entrance exam score. See your school counselor for the Index requirements for Colorado colleges and universities.

3. The quality of your record as seen in your course of study: Colleges closely examine the rigor of a student's record in comparison for admissions. More rigorous and/or advanced classes are considered more competitive.

4. 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 Test (SAT). Each college decides the degree to which these tests affect admissions.

5. Personal recommendations of counselors and teachers: Some schools place considerable weight on your recommendations which include factors such as judgement, character, reliability, and motivation. Other colleges may not require recommendations.

6. Activities, both in and out of school: Participation in activities such as clubs, student government, athletics, drama, and out of school involvement is important. The critical issue is not how many activities, but the quality of participation, including offices held and how fully one carries out one's responsibilities.

7. Community Service: Volunteer service may be important for admission to some colleges. Additionally, an increasing number of scholarships have a community service component.

COLLEGE ADMISSIONS TEST

There are two different testing programs utilized by colleges for the purpose of admissions and placement. Further information is available in the Counseling Office.

AMERICAN COLLEGE TEST (ACT): The ACT results are accepted by all colleges in Colorado. ACT tests are 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, Mathematics, Social Studies, and Natural Science. A Writing portion is now available. In addition to the tests named, there is an Interest Inventory in the student profile section. The interest inventory results in the ability of the student to relate his or her interest pattern to 24 college majors and the world of work in general. The ACT is administered nationally in professional test centers five times each year: October, December, February, April, and June. **The statewide ACT for Colorado is administered to all juniors in April each year.**

COLLEGE BOARD-SCHOLASTIC APTITUDE TEST (SAT) and ACHIEVEMENT TEST: The SAT is used by colleges and universities as an entrance test. The SAT consists of three sections: one verbal, one math, and a third section which tests writing skills. The test is designed to provide reliable indications of a student's ability to do college level work and is administered nationally in November, December, January, March, May, and June. The University of Colorado is a local testing site. Achievement 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. SAT subject tests may be necessary for some colleges.

PSAT/NMSQT: The Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test is designed to give students experience with tests similar to those required for college admission. In addition, results of this test are used as a competitive examination in the National Merit Program for students in their junior year. Sophomore and freshman students are also eligible to take this exam.

PLAN: The PLAN (or Pre-ACT) is offered to sophomores each year in the fall. The PLAN test is an early indicator of how students should expect to perform on the ACT test. Any sophomore who is interested in attending college should take this test.

EXPLORE: The EXPLORE exam is given to freshman students in preparation for the PLAN and ACT.

WEIGHTED GRADES

Students enrolled in courses with weighted grades are choosing rigorous courses that require high motivation, the ability to work independently, and commitment to intensive study.

Weighted grades are used to calculate a weighted grade point average (GPA) and potential academic honors earned. This procedure was adopted to encourage students to take rigorous academic courses and to provide that information to colleges and universities for admission.

Transcripts for colleges include the weighted GPA. The weighted information is calculated by increasing the points for the grades earned in selected courses, e.g. A=5 points, B=4 points, C=3 points. Current weighted courses:

D78 AP Computer Science Java Wt
F19 French 4 Wt
F39 German 4 Wt
F79 Spanish 4 Wt
F26 AP French 5 Wt
F46 AP German 5 Wt
F85 AP Spanish 5 Wt
F87 Advanced Placement Spanish Literature Wt
H80 Teacher Cadet - Advanced Wt
L16 World Literature and Composition Advanced Wt
L47 American Literature and Composition Advanced Wt
L77 AP English Language and Composition Wt
L88 AP English Literature and Composition Wt
M43 Geometry Advanced Wt
M55 Algebra 2 Advanced Wt
M62 Pre-Calculus 1 Advanced Wt
M63 Pre-Calculus 2 Advanced Wt
M65 AP Calculus AB Wt
M66 AP Calculus BC Wt
M69 AP Statistics Wt
S20 Physical Science Advanced Wt
S37 Biology Advanced Wt
S51 Chemistry Advanced Wt
S63 Physics Advanced Wt
S66 AP Chemistry Wt
S68 AP Biology Wt
S69 AP Environmental Science Wt
S98 Research Seminar in Science Wt
T38 AP United States History Wt
T54 AP World History Wt
T85 AP European History Wt
T168 AP Human Geography Wt
T187 AP United States Government & Politics Wt

These courses may require summer assignments.

GRADUATION

A minimum of 220 credits must be earned in grades 9-12 for graduation, and at least 100 credits must be earned in grades 11-12. **Students who have not completed the necessary graduation requirements will not be allowed to participate in graduation.**

CLASS LOAD

Freshmen and sophomores must take a minimum of six classes per semester (60 credits). Juniors and seniors are required to register for a minimum of five classes per semester (50 credits) or a recommended load of six classes per semester (60 credits). Any student may sign up for seven classes (70 credits). Any exception to this policy must receive approval from the principal.

SCHEDULE CORRECTIONS and CLASS WITHDRAWAL POLICY

Students register for the full year. Changes will be made only for appropriate reasons at a designated time for drop/add. Students may drop a class during the first 15 days of the semester with no grade reported, and no record of the class will appear on the transcript. Students who drop a class in the 16th - 30th day of the semester will be issued a withdrawal grade of WP or WF which will be recorded on the transcript. Students may not withdraw from a class after the 30th day of the semester. Students who choose to discontinue attending a class after the 30th day of the semester will fail the class, and a grade of F will appear on the transcript.

ATHLETIC ELIGIBILITY

The Colorado High School Activities Association requires that students carry a minimum of five classes (25 credits) at the time of participation to be eligible for athletics. Students must remain eligible on a weekly basis. During the semester preceding participation, students must have carried a minimum load of five classes and must not have failed more than one class of their total load. The WP or WF grade for classes dropped after the 15th day of the semester counts toward eligibility. Students who have questions about their academic or general eligibility should contact the Athletic Director.

TRANSFER STUDENTS

Transfer students will be held responsible for district requirements while enrolled as Boulder Valley students. Course work completed outside the district will be evaluated for credit and graduation requirements. In addition, at least two semesters of attendance in Boulder Valley Schools is required to meet district graduation requirements **(at least 50 credits must be earned during this time-frame).**

DISTRICT SPECIAL EDUCATION REGISTRATION

Students who have Individualized Education Plans (IEP) will register for courses with the assistance of their Special Education Case Manager so that their educational program is consistent with the goals and objectives of their IEP. This program may consist of regular education courses with some instructional accommodations, courses provided in the regular education class with a modified curriculum, and/or courses provided by the special education teacher.

SUMMER SCHOOL

Students can enroll in the BVSD Summer School program to make up deficiencies, to strengthen weak points in their studies, or to enrich their learning experience. Enrollment materials are available in the spring in the Counseling Office.

ADVANCED PLACEMENT TESTING (AP EXAMS)

Students may choose to take the College Board AP exams in May. An acceptable score on the exam may yield credit for or waiver of courses at some colleges. Check with the Counseling Department or your AP teacher for exact cost of the exam and other details. Fee is approximately \$87 per test.

POST-SECONDARY ENROLLMENT OPTIONS

Colorado law 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 toward a degree or a certification at the 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 BVSD Superintendent's Office. Applications are available in the Counseling Office.

BVSD will reimburse the tuition costs for a maximum of two courses per student per semester for students who satisfactorily pass the course(s). 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 who does not successfully complete the class will not be reimbursed.

CLASS FEES

All fees are reviewed and approved by BVSD Board of Education in May of each year. Teachers will inform students of any fees the first day of classes. Students who qualify may request a waiver of fees.

FOR FRESHMEN ONLY

Greetings Freshmen:

This page is designed to assist you in planning for your freshman year and beyond. Here are some basic facts you need to know about high school registration:

1. A freshman's schedule is a six period day. Freshmen who have a six period day, in most cases, will not be allowed to have fifth period free. Freshmen who take a six period day and pass all classes will earn 60 credits toward the needed 220 for graduation. Freshmen who take a seven period day and pass all their classes will earn 70 credits toward the needed 220 for graduation.

2. Freshman CORE. All freshmen will be enrolled in a two-hour block of time in which Language Arts (L08) and Social Studies (T37, U.S. Government and T60, World Geography) are integrated and team taught. Other subject areas will be incorporated whenever possible through curriculum planning and creative, flexible scheduling.

3. A typical schedule for freshmen may look like this in a six period day:
 2 periods for CORE, includes Language Arts, Government, and Geography
 1 period for Science, (usually Physical Science*)
 1 period for Math, (usually Algebra 1* or Geometry)
 2 periods for electives of your choice (must include one semester of Comp PE)
 An optional period could include World Language, Band, Orchestra, or Choir.

* accelerated classes require prior approval

4. Freshman Seminar: Freshmen will participate weekly during first semester in Freshman Seminar. Freshmen will be assigned a faculty advisor who will meet with small groups of freshmen to provide student support and assist with high school transition.

5. Physical Education: All freshmen must sign up for one semester of Physical Education (P20). Students may choose to take a second semester class from those listed on this page.

6. Follow all directions and meet all deadlines for pre-registration. Online Registration deadline is March 11, 2011. Counselors will present instructions for completion.

7. ASK QUESTIONS. When in doubt, the counseling staff, faculty, and administration are available to assist you in your course selections.

8. Get the BIG Picture and Plan Ahead. Whether or not you have specific higher education or career goals after high school, you should look at a four year plan which you feel best prepares you for life after high school. You should make decisions based on solid academic goals, not what your friends are taking or what an older brother or sister took when they were in high school or what lunch period you want. We cannot emphasize enough the importance of the total picture. Have good attendance, do all the work expected of you, and most of all, take an active role in your high school education. You will succeed.

LISTED BELOW ARE CLASSES, LISTED BY DEPARTMENT, WHICH ARE OPEN TO FRESHMEN. PLEASE CONSULT THE COURSE DESCRIPTIONS FOR SPECIFIC INFORMATION.

ART

A35 Foundations in Art
 A41 Drawing & Painting 1
 A61 Pottery/Sculpture 1
 A62 Pottery/Sculpture 2
 A110 Digital Art & Design 1
 A111 Digital Art & Design 2

BUSINESS

B11 Word Processing I
 B13 Desktop Publishing/
 Computer Graphics
 B42 Finance
 B60 Business Management

COMPUTER SCIENCE

D77 Java
 D78 AP Computer Science Java Wt
 D80 Mastering Computer
 Applications

FAMILY and CONSUMER SCIENCE

H20 Catering 1
 H74 Teen Challenges

MUSIC

N31A & N31B Music Theory
 N54A & N54B Mixed Choir
 N71A & N71B Band
 N76A & N76B Jazz Band 2
 N81A & N81B Orchestra Level 1
 (Other select groups by audition)

INDUSTRIAL TECH

J10A & J10B Drafting
 J55A & J55B Woodworking

LANGUAGE ARTS

Freshman Language Arts*
L08A & L08B (required, part of CORE)
 LE4A & LE4B Intermediate
 Journalism
 L35 Introduction to Theatre

MISCELLANEOUS

C72 Understanding Diversity in the
 United States
 X61A & X61B Student Council

MATH

M31A & M31B Algebra 1
 M35A & M35B Algebra 1
 Advanced
 M41A & M41B Geometry
 M43A & M43B Geometry
 Advanced Wt
 M51A & M51B Algebra 2
 M55A & M55B Algebra 2
 Advanced Wt

PHYSICAL EDUCATION

Freshmen are required to take one semester of P. E., two semesters is optional.

P20 Comprehensive Physical Education (required)

P23 Fitness
 P24 Weight Training 1
 P28 Jogging
 P54 Racquet Sports
 P70 Team Sports
 P81 Basketball 1

SCIENCE

S10A & S10B Physical Science
 S20A & S20B Physical Science
 Advanced Wt
 S37A & S37B Biology Advanced Wt

SOCIAL STUDIES

T37 U. S. Government*
T60 World Geography*

(* T37 and T60 are part of CORE)

SPECIAL EDUCATION

As per individual placement

WORLD LANGUAGES

F11A & F11B French 1
 F12A & F12B French 2
 F31A & F31B German 1
 F32A & F32B German 2
 F71A & F71B Spanish 1
 F72A & F72B Spanish 2
 F98A & F98B Am. Sign Language

* Specific Graduation Requirements

PLEASE NOTE:

Freshmen who elect to take honors classes without a teacher recommendation will be encouraged to stay in the honors classes for at least one semester even if the student finds that the class is too difficult.

A35 Foundations in Art

Level: 9-12

Offered: 1 semester, 5 credits

Prerequisite: None

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.

Media possibilities could be pencil, tempera, watercolor, clay, paper-mache, wire, tooling metal, scratchboard, mixed media and others.

A41 Drawing & Painting 1

Level: 9-12

Offered: 1 semester, 5 credits

Prerequisite: None

Students will gain a strong foundation in drawing and painting in this beginning level class. Composition, the visual elements, the 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: 10-12

Offered: 1 semester, 5 credits

Prerequisite: A41

This second level course builds upon the experiences of Drawing & 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 of art beyond school, and the introduction of new techniques.

Artists, artistic movements and cultures are studied as aesthetics; art history and art criticism are addressed. Media used include various pencils, pen and ink, charcoal, oil pastel, watercolor, acrylic, etc. Techniques covered include watercolor techniques, acrylic painting techniques, and drawing techniques.

A43 Drawing & Painting 3

Level: 11-12

Offered: 1 semester, 5 credits

Prerequisites: A42

This third level class builds upon the drawing and painting experiences of Drawing & Painting 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 of art beyond school, and to provide instruction based on a student's particular art or career goals when desired. Proficiency in basic skills is expected. Artists, artistic movements and cultures are studied as aesthetics, art history and art criticism are addressed. Media possibilities are various pencils, pastel, oil pastel, mixed media, acrylic, oil, printing inks, encaustic, and egg tempera.

A44 Drawing & Painting 4

Level: 11-12

Offered: 1 semester, 5 credits

Prerequisites: A43

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 of 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 are studied as aesthetics, art history and art criticism are addressed. Media possibilities are various pencils, pastel, oil pastel, mixed media, acrylic, oil, printing inks, encaustic, and egg tempera. Students may be instructed independently or as a class group.

A61 Pottery/Sculpture 1

Level: 9-12

Offered: 1 semester, 5 credits

Prerequisite: None

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. Media selections include clay, wood, paper-mache, fibers, found objects, yarns, plaster, and others.

A62 Pottery/Sculpture 2

Level: 9-12

Offered: 1 semester, 5 credits

Prerequisite: A61

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, paper-mache, fibers, found objects, yarns, plaster, and others.

A63 Pottery/Sculpture 3

Level: 10-12

Offered: 1 semester, 5 credits

Prerequisites: A62

This third level course will build upon experiences in level 2. Students will be challenged with advanced techniques and problems in the area of pottery and sculpture to create both functional and nonfunctional three-dimensional forms.

Students explore in greater depth the process of hand-building, the potter's wheel, sculptural techniques, firing techniques, clay bodies, glazes and/or sculpture techniques. Possible media include clay, wood, paper-mache, fibers, found objects, yarns, plaster, and others.

A64 Pottery/Sculpture 4

Level: 10-12

Offered: 1 semester, 5 credits

Prerequisites: A63

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, paper-mache, fibers, found objects, yarns, plaster, and others.

A71 Photography 1

Level: 10-12

Offered: 1 semester, 5 credits

Prerequisite: None

This introductory course to traditional black and white 35 mm 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

Offered: 1 semester, 5 credits

Prerequisite: A71

This second level course will build upon experiences of level 1. This course deals with enhancing the 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 also be examined.

A73 Photography 3

Level: 11-12

Offered: 1 semester, 5 credits

Prerequisites: A72

This third level course will build upon experiences of level 2. This course expands the student's ability to see, take and create a photographic image.

Students 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 addressed.

A74 Photography 4

Level: 11-12

Offered: 1 semester, 5 credits

Prerequisites: A73

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.

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 are included. Exemplars in photography may be studied. Instruction may be given on an individual basis with the student's particular career goals or artistic vision in mind.

A110 Digital Art and Design 1

Level: 9-12

Offered: 1 semester, 5 credits

Prerequisites: None

This introductory course deals with controlling computer technology to produce an artistic image. Students will learn computer illustration techniques, image manipulation, digital camera use, graphic design visual literacy, and the principles and elements of art in composition. Some artistic movements such as Pop Art and Surrealism will be studied as they relate to student projects.

A111 Digital Art and Design 2

Level: 9-12

Offered: 1 semester, 5 credits

Prerequisite: A110

This course extends the fundamental concepts and skills of Digital Art and Design 1 of using computer technology to produce an artistic image. Students further advance their computer illustration techniques, image manipulation, digital camera use, graphic design knowledge, art history concepts, visual literacy and the principles and elements of art in composition.

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Business and computers play an important role in most areas of life—from basic business and computer skills to careers in accounting, management, law, administration, programming, and multimedia technology. Good preparation in high school can give you a head start towards college study in any of these fields. There are six (6) emphasis areas to choose from:

ACCOUNTING—BASIC

To receive a certificate in Accounting—Basic you must complete and pass the following:

- B52 Accounting 1 – **Required**
AND one of the following:
 B53 Accounting 2
 B41 Business Foundations
 B44 Business Law
 B60 Business Management

ACCOUNTING—INTERMEDIATE

To receive a certificate in Accounting—Intermediate you must complete and pass the following:

- B54 Accounting 3 – **Required**

BUSINESS—BASIC

To receive a certificate in Business—Basic you must complete and pass two of the following:

- B41 Business Foundations
 B42 Finance
 B44 Business Law
 B60 Business Management
 B70 Technology in Business

OFFICE ADMINISTRATION

To receive a certificate in Office Administration you must complete and pass two of the following:

- B11 Word Processing I
 B12 Word Processing II
 B70 Technology in Business
 D80 Mastering Computer Applications

COMPUTER—BASIC

To receive a certificate in Computer—Basic you must complete and pass the following:

- D77 Java
 D81 Computer Programming—Basic

MULTIMEDIA TECH

To receive a certificate in Multimedia Tech you must complete and pass two of the following:

- B13 Desktop Publishing
 D80 Mastering Computer Applications
 D87 Internet/WebPage Applications
 D77 Java

* Note:
 Not all courses are offered every year.

B11 Word Processing I

Level: 9-12
 Offered: 1 semester, 5 credits
 Prerequisite: None
 (Meets Practical Exp. Requirement)
 This semester course is a review of the keyboard with emphasis on mastery in speed, accuracy, personal business letters, and simple tabulation.

B13 Desktop Publishing/Computer Graphics

Level: 9-12
 Offered: 1 semester, 5 credits
 Prerequisite: None
 (Meets Practical Exp. Requirement)
 This semester class focuses on desktop publishing, graphics, and presentation software to create newsletters, books, magazines, newspapers, multimedia, presentations, and movies. Basic concepts of design, layout, topography, and graphics will be used to create professional looking documents and presentations.

B42 Finance

Level: 9-12
 Offered: 1 semester, 5 credits
 Prerequisite: None
 (Meets Money Mgmt. and Practical Exp. Requirements)
 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, consumer credit, banking services, investing, life, auto, and property insurance, income taxes, and housing are some of the topics covered.

D77 Java

Level: 9-12
 Offered 1 semester, 5 credits
 Prerequisite: None
 (Meets Practical Exp. and Applied Tech Requirements)
 This one semester introductory course to Java programming presents an overview of Object Oriented Programming style as it differs from procedural programming. Topics include: data types, variables and arithmetic, strings, arrays, streams and files, graphics, and methods and constructions.

D78A & D78B AP Computer Science Java Wt *

Level: 9-12
 Offered: 2 semesters, 10 credits
 Prerequisites: D77, D81 or teacher approval
 (Meets Practical Exp. and Applied Tech Requirements)
 This course prepares students for the AP Computer Science test including advanced course work in data types, variables and arithmetic, strings, arrays, graphics, and methods and constructions, etc.

*The grade earned in this class will receive additional weight for calculating grade point average on transcripts. See description of weighted grades at front of this guide.

B44 Business Law

Level: 11-12
 Offered: 1 semester, 5 credits
 Prerequisite: None
 (Meets Practical Exp. Requirement)
 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-B53 Accounting 1 & 2, (2 semester sequence)

Level: 10-12
 Offered: 2 semesters, 10 credits
 Prerequisite: None
 (Meets Practical Exp., Applied Tech, and Money Mgmt. Requirements)

B52 - Semester 1: Accounting 1 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, debit/credit theory, financial statements, use of various journals and ledgers, worksheets, accounts receivable and payable, and payroll systems. Computers will be used for simulation and projects.

B53 - Semester 2: Accounting 2 is a continuing semester 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 statements, use of various journals and ledgers, worksheets, accounts receivable and payable, and payroll systems. Emphasis is placed on computerized accounting.

D80 Mastering Computer Applications

Level: 9-12
 Offered: 1 semester, 5 credits
 Prerequisite: None
 (Meets Practical Exp. and Applied Tech Requirements)
 This introduction to microcomputers and data processing provides an understanding of how computers affect our daily lives. Topics included are computer technology, word processing, electronic spreadsheets and databases, desktop publications, graphics, and multimedia presentations and communications.

D87 Internet/Web Page Design

Level: 11-12
 Offered: 1 semester, 5 credits
 Prerequisite: D77 or D80 recommended
 (Meets Practical Exp. and Applied Tech Requirements)
 This course is designed to provide students the opportunity to apply programming skills to web development.

B60 Business Management

Level: 9-12
 Offered: 1 semester, 5 credits
 Prerequisites: None
 (Meets Practical Exp., Applied Tech, and Money Mgmt. Requirements)
 Students apply the management principles of planning, organizing, directing and controlling by forming and managing their own companies. Students use computers for preparing presentations, weekly cash flow projections, selling price spreadsheets, and annual reports to stockholders.

All business students are encouraged to join the student organization, Future Business Leaders of America, and to participate in community projects and state competitions.

All computer science students are encouraged to join the student organization, Future Business Leaders of America, and to participate in community projects and state competitions.

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Grade	COURSES/Length	TARGET STUDENTS	EMPHASIS
9-10	H74 Teen Challenges 1 1 semester	Course meets health requirements for graduation	Examine challenges and options teenagers face
9-12	H20 Catering 1 1 semester	Students interested in food preparation and careers in food service	Hands-on approach to food preparation
10-12	H21 Catering 2 1 semester	Students interested in learning advanced food prep such as cake decorating and international food	Development and operation of a catering business plan and food product development
10-12	H23A & H23B ProStart 1 2 semesters	Students interested in sports entertainment and event management, or the hospitality industry	Business management and advanced food prep skills; learn from the best chefs in the area; mentorship opportunities
10-12	H24A & H24B ProStart 2 2 semesters	Students interested in sports entertainment and event management, or the hospitality industry	Mentor with area chefs or business managers in the hospitality field; develop advanced food prep skills
10-12	H42 Interiors 1 semester	Students who want to learn to express themselves through interior design	Hands-on approach to learning and applying principals and elements of design and space
10-12	H61 Child Development 1 semester	Like kids, learn basic child development & work in an interactive setting	Prenatal, child growth and development ages birth - 5 years
11-12	H80A & H80B Teacher Cadet - Advanced Wt	Students explore teaching as a profession. College credit for continuing in a career in education	Education, working off site in a classroom lab and preparing lessons
12	H50A & H50B LOYO 2 semesters	Course meets health and money mgmt. requirements for graduation	Preparing for life after high school
12	H81A & H81B Wage Earning 2 semesters	Students who wish to work (for credit) in paid jobs; meets money mgmt. requirement for graduation	How to obtain and keep a job

H20 Catering 1

Level: 9-12
Offered: 1 semester, 5 credits
Prerequisite: None
(Meets Practical Exp. Requirement)

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

H21 Catering 2

Level: 10-12
Offered: 1 semester, 5 credits
Prerequisite: H20
(Meets Practical Exp. Requirement)

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 will include 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.

H23A & H23B ProStart 1

Level: 10 -12
Offered: 2 semester sequence,
5 credits per semester
Prerequisite: H20 recommended
(Meets Practical Exp. Requirement)

This course was developed by the National Restaurant Ed. Association for students interested in going into the restaurant or hospital-

ity and lodging fields. The course combines culinary and management skills, along with guest speakers and field trips in the industry. Students will develop culinary skills in nutrition; breakfast foods such as crepes and pancakes; hot and cold sandwiches; salads; vinegars and salsas; garnishes; fruits and vegetables. Students will examine menu developing, cost planning, and inventory control for running their own restaurant. Second semester students will have the opportunity to mentor with a chef or with a hotel as a paid work experience.

^ Tenth grade students may apply through teacher interview.

H24A & H24B ProStart 2

Level: 11-12
Offered: 2 semester sequence,
5 credits per semester
Prerequisite: H23, H20 recommended
(Meets Practical Exp. Requirement)

This course was developed by the National Restaurant Ed. Association for students interested in going into the restaurant, hospitality, or lodging fields. Students will develop advanced skills for the restaurant and hospitality industry. Students will have the opportunity for a paid work experience, mentoring with chefs or in the tourism industry for the entire year. Students will refine their culinary and business skills in the areas of restaurant, cuisine, hotel management, marketing, cost accounting, and customer relations. At the conclusion, students will be able to sit for the National Restaurant Exam and will be eligible for scholarships for post-secondary experience. Students will be able to enter the industry in above entry-level positions.

H42 Interiors

Level: 10-12
Offered: 1 semester, 5 credits
Prerequisite: None
(Meets Practical Exp. Requirement)

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 principles learned in the course.

H50A & H50B

Living on Your Own - Year

Level: 11-12
Offered: 2 semester sequence,
5 credits per semester
Prerequisite: None
(Meets Money Management and Health Requirements)

This year-long course is designed to help you sharpen your focus on your own life. It is designed to help you gain a clear picture of who you are, how you got that way, and more importantly, to help you make wise choices in 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
Offered: 1 semester, 5 credits
Prerequisite: None
(Meets Practical Exp. Requirement)

Child Development offers the opportunity to develop a positive understanding of the growth and development of children and par-

enting skills. Class activities will emphasize responsibilities and challenges of parenting. The class sponsors the Little Eagles' Play School where students apply techniques for working with children.

H74 Teen Challenges

Level: 9-10
Offered: 1 semester, 5 Health credits or
5 practical arts credits
Prerequisite: None

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, and substance abuse and addiction. The class is a chance to compare your ideas, thoughts, and experiences with other students and experts in the community. The BVSD Health Curriculum topics will be covered.

H80A & H80B

Teacher Cadet - Advanced Wt *

Level: 11-12
Offered: 2 semester sequence, 5 credits per semester
Prerequisites: Teacher recommendation
(Meets Practical Exp. Requirement)

Interested in teaching as a possible profession? Interested in the role education plays in society? If so, this is the class for you! Students will be involved in a fast paced, innovative, hands-on curriculum where they gain knowledge about teaching and learning. Teacher Cadets will develop and master skills that will be helpful in college and beyond, such as presentation, public speaking, writing, communication and reasoning. This is a year-long elective course with college credit options. Each student will make a difference with children as they "try out" teaching in a "mini-teaching" experience.

H81A & H81B Wage Earning

Level: 12
Offered: 2 semester sequence, up to
15 credits per semester
Prerequisite: None
(Meets Money Mgmt. and Practical Exp. Requirements)

Expand your career horizons and earn while you learn in this year-long course. Identify your strengths, interests, and skills in the world of work. Become a knowledgeable entrepreneur by creating your own business in the classroom. Emphasis is on personal leadership development, balancing work and family, development of job portfolios, and interview skills. Students will successfully complete class requirements and work 17 hours per week in positions approved by the instructor. Students are evaluated by their employer each quarter to assess their reliability and quality of work.

***The grade earned in this class will receive additional weight for calculating grade point average on transcripts. See description of weighted grades at front of this guide.**

G50 Issues in Health

Level: 10
Offered: 1 semester, 5 credits
Prerequisite: None
(Meets Health Requirement)

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, making health-related decisions, and advocating for personal, family, and community health.

I N D U S T R I A L T E C H

J10A & J10B Drafting

Level: 9-12
Offered: 2 semester sequence,
5 credits per semester
Prerequisite: None
(Meets Prac. Exp. and Applied Tech Requirements)

Drafting is the root of all industry. This entry-level, project based class will expose students to Solid Works (CAD program), which is the primary tool used by engineers and architects. Students will complete units in sketching, geometric constructions, isometric views, and layouts. Supplemental focus will include an introduction to various forms of engineering.

J32A & J32B Architecture

Level: 10-12
Offered: 2 semester sequence,
5 credits per semester
Prerequisite: None
(Meets Prac. Exp. and Applied Tech Requirements)

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 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.

J34A & J34B CAD I

Level: 10-12
Offered: 2 semester sequence,
5 credits per semester
Prerequisites: None
(Meets Prac. Exp. and Applied Tech Requirements)

This is an advanced level course which provides students the opportunity to expand their skills in mechanical and architectural drafting by using Solid Works (CAD). This course is a must for students planning to major in any field of engineering or architecture. This class provides more use in Solid Works in both a mechanical and an architectural setting.

J55A & J55B Woodworking

Level: 9-12
Offered: 2 semester sequence,
5 credits per semester
Prerequisite: None
(Meets Prac. Exp. and Applied Tech Requirements)

This course is designed to emphasize activities in planning, design, and construction as applied to common forms of woodworking. Accuracy, neatness, sound work habits, and safety are stressed and form an important part of the evaluation criteria. Students acquire knowledge and skills through demonstrations, educational media, and practical

projects. Proper and safe use of tools, abrasives, adhesives, fasteners, finishes, as well as maintenance and repair of items are part of this curriculum.

M U S I C

N31A & N31B Music Theory 1

Level: 9-12
Offered: 2 semester sequence,
5 credits per semester
Prerequisite: None

Music Theory 1 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.

N54A & N54B Mixed Choir

Level: 9-12
Offered: 2 semester sequence,
5 credits per semester
Prerequisite: None

Mixed Choir is a vocal ensemble designed to introduce singers to the 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.**

N60A & N60B Concert Choir

Level: 10-12
Offered: 2 semester sequence,
5 credits per semester
Prerequisite: Audition

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.**

N64A & N64B Select Mixed Choir (Eagle Ascent)

Level: 11-12
Offered: 2 semester sequence,
5 credits per semester
Prerequisite: Audition

Select Mixed 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.**

N68A & N68B Show Choir

Level: 10-12
Offered: 2 semester sequence,
5 credits per semester
Prerequisite: Audition

Show Choir focuses on the performance of vocal music in the popular idiom. Emphasis will be placed on developing appropriate vocal techniques and stage presence to create an effective overall performance. **Culminating performances are a meaningful and mandatory component of this class.**

N71A & N71B Band Level 1

Level: 9-12
Offered: 2 semester sequence,
5 credits per semester
Prerequisite: Previous experience or demonstrated ability

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. **Culminating performances are a meaningful and mandatory component of this class.**

N76A & N76B Jazz Band 2

Level: 9-12
Offered: 2 semester sequence,
5 credits per semester
Prerequisite: Audition

Jazz Band 2 is a course that offers student musicians experience in and opportunity to perform the musical forms of jazz, rock, and popular music with additional emphasis on advancing improvisational techniques. **Culminating performances are a meaningful and mandatory component of this class.**

N81A & N81B Orchestra Level 1

Level: 9
Offered: 2 semester sequence,
5 credits per semester
Prerequisite: previous experience on any musical instrument

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. **Culminating performances are a meaningful and mandatory component of this class.**

N82A & N82B Orchestra Level 2

Level: 10-12
Offered: 2 semester sequence,
5 credits per semester
Prerequisite: previous experience on any musical instrument

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. **Culminating performances are a meaningful and mandatory component of this class.**

P H Y S I C A L E D U C A T I O N

P20 Comprehensive Physical Education

Level: 9
Offered: 1 semester, 5 credits
Prerequisite: None

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 strength, and body composition will be addressed.

P23 Fitness

Level: 9-12
Offered: 1 semester, 5 credits
Prerequisite: P20

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, 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.

P24 Weight Training 1

Level: 9-12
Offered: 1 semester, 5 credits
Prerequisite: P20

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, 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
Offered: 1 semester, 5 credits
Prerequisites: P24

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

P28 Jogging

Level: 9-12
Offered: 1 semester, 5 credits
Prerequisite: P20

This course is for students who would like to improve their fitness, but at their own pace. The speed and distance run is individualized to each student as they go through a gentle and steady process of improving their fitness level. Other fitness activities might include yoga, tai-bo, strength training, aerobics, cycling, and roller-blading. Students will have the opportunity to participate in one or more road races.

P30 Bowling

Level: 12
Offered: 1 semester, 5 credits
Prerequisite: P20

Bowling develops basic techniques and form to safely enjoy the activity. Students learn how to score and prepare individual weekly averages. Students will have an opportunity to bowl doubles and league play within the class. Students do not bowl every day. Instruction in other recreational games is included in this course such as: archery, horseshoes, walking, floor hockey, golf, bocce, and ultimate frisbee.

P54 Racquet Sports

Level: 9-12
Offered: 1 semester, 5 credits
Prerequisite: P20

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, and pickleball. 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
Offered: 1 semester, 5 credits
Prerequisite: P20

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, basketball, and team handball.

P81 Basketball 1

Level: 9-12
Offered: 1 semester, 5 credits
Prerequisite: P20

The primary goal of this course is to assist students in developing fundamental skills in basketball. Students will develop competence in dribbling, passing, stance, and footwork of defense, shooting, and rebounding. Students will also learn the history of the sport, rules, etiquette, scoring, strategies, and develop fitness needed for success in the sport.

The Broomfield High School Language Arts faculty suggests these course groupings to aid in your selections. Keep in mind your educational and career goals as well as your abilities. Students are advised to consult with the Language Arts faculty regarding their course selections.

FRESHMEN: All freshmen must take L08 as part of Freshman CORE. (Freshman CORE consists of Freshman Language Arts, U. S. Government and World Geography.) Freshmen may take the introductory classes in reading, journalism or drama. Consult the course descriptions for more details.

SOPHOMORES: All sophomores must take World Literature and Composition (L27) or World Literature and Composition Advanced Wt (L16). Sophomores can take additional elective language arts courses when space is available. Refer to the course descriptions for electives open to sophomores.

JUNIORS: All juniors must take American Literature and Composition (L20), or American Literature and Composition Advanced Wt (L47), or AP English Language and Composition Wt (L77). Nearly all of the Language Arts curriculum is open to juniors. Some classes have special conditions or prerequisites. Please check the course descriptions, or inquire with the faculty before enrolling.

SENIORS: All seniors will need 5 credits of communications and 5 credits of electives to fulfill the Language Arts graduation requirements. Nearly all of the Language Arts curriculum is open to seniors. Some classes have special conditions or prerequisites. Please check the course descriptions or inquire with the faculty before enrolling.

For the following courses:

**World Literature and Composition Advanced Wt
American Literature and Composition Advanced Wt
AP English Language and Composition Wt
AP English: Literature and Composition Wt**

Students must complete the application process in order to be eligible for the above courses. Applications may be obtained through Counseling or Language Arts Instructors.

FRESHMEN:

**L08A & L08B
Freshman Language Arts**

Level: 9
Offered: 2 semester sequence,
5 credits per semester
Prerequisite: None

Students in Ninth Grade Language Arts will receive instruction in composition and literary analysis. Ninth Grade Language Arts is a survey course that exposes students to a variety of reading and writing activities. Students read novels, short stories, plays, essays and poems. Students write in a variety of styles.
NCAA Clearinghouse approved course.

SOPHOMORES:

**L16A & L16B
World Literature and Composition
Advanced Wt***

Level: 10
Offered: 2 semester sequence,
5 credits per semester
Prerequisite: Application process

World Literature and Composition Advanced is a rigorous course 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.

**L27A & L27B
World Literature and Composition**

Level: 10
Offered: 2 semester sequence,
5 credits per semester
Prerequisites: L08

World Literature and Composition is 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/ef-
fect, 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 en-
hance the quality of student writing.
NCAA Clearinghouse approved course.

JUNIORS:

**L20A & L20B
American Literature and Composition**

Level: 11
Offered: 2 semester sequence,
5 credits per semester
Prerequisites: L16 or L27

American Literature and Composition builds on skills acquired 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.

**L47A & L47B American Literature and
Composition Advanced Wt ***

Level: 11
Offered: 2 semester sequence,
5 credits per semester
Prerequisite: Application process

Advanced American Literature and Composition is a rigorous course for juniors. The course will have in-depth and detailed studies of American Literature from the 1700's to current times. Students will read and respond to a large variety of literature about the American experience. A strong writing component will be integral to the class. Students will employ and expand literary analysis applications and will understand and use literary elements

in their class work. Continued emphasis will be placed on correct use of English grammar and mechanics including correct spelling.
NCAA Clearinghouse approved course.

**L77A & L77B
AP English Language and Composition
Wt ***

Level: 11
Offered: 2 semester sequence,
5 credits per semester
Prerequisite: Application process

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.

ELECTIVE OFFERINGS:

**LE4A & LE4B
Intermediate Journalism: Advanced
Reporting (Newspaper Production)**

Level: 9-12
Offered: 2 semester sequence,
5 credits per semester (LA elective)
Prerequisite: Application process

Intermediate Journalism places emphasis on writing news, features, sports and editorials, and editing of the school newspaper. Students in this class enjoy writing, and they already write fluently and accurately. Students are responsible for all aspects of publication, including working cooperatively with other staff members (including the advisor) not only to complete writing and editing duties, but also to provide art and photos, design creative pages, and raise funding through advertising sales or completing other

LANGUAGE ARTS COURSE OFFERINGS:

The following units of credit are required in each of these areas:

- 10 credits of Freshman Language Arts
- 10 credits of World Literature and Composition or World Literature and Composition Advanced Wt (sophomores)
- 10 credits of American Literature and Composition or American Literature and Composition Advanced Wt or AP English Language and Composition Wt (juniors)
- 5 credits of communication
- 5 credits of any other language arts

Courses Meeting the Communication Requirement:

Introduction to Theatre (L35)	9 - 12
Communication in Society (L31)	10 - 12
Public Speaking (L34)	10 - 12
Acting (Theatre 2) (L36)	10 - 12
Discussion and Debate (L33)	11 - 12
Competitive Forensics (L39)	11 - 12

Other Language Arts Electives:

Intermediate Journalism Adv Rpt Year (LE4)	9 - 12
Creative Writing (L19)	10 - 12
Science Fiction (L64)	10 - 12
Yearbook (LE7)	10 - 12
Film Literature (LE0)	11 - 12
Shakespeare (L75)	11 - 12
Mythology (L80)	11 - 12
Senior Composition (L14)	12
AP English Literature and Composition Wt (L88)	12

The following courses may not meet college entrance requirements:

**Yearbook
Intermediate Journalism**

contractual tasks. Students must commit at least the same time outside class as in class conducting interviews and information, attending events, and completing production and distribution tasks according to an inflexible deadline schedule.

L35 Introduction to Theatre (Theatre 1)

Level: 9-12
Offered: 1 semester,
5 credits (Communications)
Prerequisite: None

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, and selection and evaluation of plays.
NCAA Clearinghouse approved course.

**LE7A & LE7B
Yearbook**

Level: 10-12
Offered: 2 semester sequence,
5 credits per semester
Prerequisite: Application process

This class produces the yearbook. Work includes writing/editing copy, taking pictures, designing layouts using computer software, editing 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.

L19 Creative Writing

Level: 10-12

Offered: 1 semester, 5 credits

Prerequisite: None

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.***L31 Communication in Society**

Level: 10-12

Offered: 1 semester,

5 credits (Communications)

Prerequisite: None

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 situations, 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, problem 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

Offered: 1 semester,

5 credits (Communications)

Prerequisite: None

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.***L36 Acting (Theatre 2)**

Level: 10-12

Offered: 1 semester,

5 credits (Communications)

Prerequisite: L35

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 makeup and costume as applied to characterization; investigation of acting theories and play styles; and final performances.

*NCAA Clearinghouse approved course.***L64 Science Fiction**

Level: 10-12

Offered: 1 semester, 5 credits

Prerequisite: None

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.***L39 Competitive Forensics**

Level: 11-12

Offered: 1 semester,

5 credits (Communications)

Prerequisite: None

This course prepares the student for advanced studies in all areas of forensics: Cross-examination (cx) Debate (D), Lincoln Douglas (L/D) Debate, Extemporaneous Speaking, Duo Interpretation, Student Congress, Original Oratory, Duet Acting, and Interpretation of Drama, Poetry, and Humor. Members of this class are also members of the Competitive Speech Team and will compete in CHSAA/NGL Tournaments. This course includes instruction in life and career speaking situations. This course may be repeated for credit applicable in Language Arts, Communications, or Electives.

*NCAA Clearinghouse approved course.***L33 Discussion and Debate**

Level: 11-12

Offered: 1 semester,

5 credits (Communications)

Prerequisite: None

This course is designed to study techniques used in argumentation, forms of discussion, and formal debate. Students will learn the fundamentals of communication and the psychology of persuasion. Skills practiced in this class are applicable to other classes and to participation in the democratic process in our communities, states, and country. The course is based on strong oral components.

*NCAA Clearinghouse approved course.***LE0 Film Literature**

Level: 11-12

Offered: 1 semester, 5 credits

Prerequisite: None

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.

*NCAA Clearinghouse approved course.***L75 Shakespeare**

Level: 11-12

Offered: 1 semester, 5 credits

Prerequisite: None

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.***L80 Mythology**

Level: 11-12

Offered: 1 semester, 5 credits

Prerequisite: None

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.***L14 Senior Composition**

Level: 12

Offered: 1 semester, 5 credits

Prerequisite: None

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.

*NCAA Clearinghouse approved course.***L88A & L88B****AP English Literature and Composition Wt ***

Level: 12

Offered: 2 semester sequence,

5 credits per semester

Prerequisite: Application process

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 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 Literature and Composition examination.

NCAA Clearinghouse approved course.

***The grade earned in this class will receive additional weight for calculating grade point average on transcripts. See description of weighted grades at front of this guide.**

PLEASE NOTE:
The math department highly recommends that students use the TI-83+ or the TI-84 calculator. One can be rented from the department for a nonrefundable \$25 per year fee.
- Graphing calculators are required for Algebra 2 and above.

**ATTENTION
ADVANCED and HONORS
STUDENTS:**

Students enrolled in Advanced or Honors classes will be expected to honor that selection through the first semester of the course. Only students recommended by instructors to change courses will be allowed a change of placement. Think carefully before you sign up for these classes.

A student will be allowed to register for an advanced or honors class only if he/she has met criteria which will be based on previous math grades, previous CSAP scores (grades 7-10), and teacher recommendation. Students who have registered for an advanced or honors course and do not meet the criteria will be notified prior to the end of the academic year.

M31A & M31B Algebra 1

Level: 9-12
Offered: 2 semester sequence,
5 credits per semester
Prerequisite: None

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.

M35A & M35B Algebra 1 Advanced

Level: 9
Offered: 2 semester sequence,
5 credits per semester
Prerequisite: Teacher recommendation

Algebra 1 Advanced 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.
NCAA Clearinghouse approved course.

M39 Problem Solving

Level: 10-12
Offered: 1 semester, 5 credits
Prerequisite: M50 or M51

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.

M41A & M41B Geometry

Level: 9-12
Offered: 2 semester sequence,
5 credits per semester
Prerequisite: M31 or M35

Geometry presents a thorough study of the structure of the postulation system and 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.

**M43A & M43B
Geometry Advanced Wt ***

Level: 9-12
Offered: 2 semester sequence,
5 credits per semester
Prerequisites: M35 or teacher recommendation

Geometry Advanced presents a thorough study of the structure of the postulational 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.

M50A & M50B Algebra 2 Basic #

Level: 11-12
Offered: 2 semester sequence,
5 credits per semester
Prerequisites: M40, M41 or teacher recommendation

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.

M51A & M51B Algebra 2 #

Level: 9-12
Offered: 2 semester sequence,
5 credits per semester
Prerequisites: M31 and M41

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.

**M55A & M55B
Algebra 2 Advanced Wt * #**

Level: 9-12
Offered: 2 semester sequence,
5 credits per semester
Prerequisites: M41, M45 or teacher recommendation

Algebra 2 Advanced Wt 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
Offered: 1 semester, 5 credits
Prerequisite: M50 or M51

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
Offered: Fall semester, 5 credits
Prerequisite: M51 or M55

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.

M64 Pre-Calculus 2 #

Level: 11-12
Offered: Spring semester, 5 credits
Prerequisite: M61

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. **Students who have received credit for M62 cannot receive credit for this course.**
NCAA Clearinghouse approved course.

M62 Pre-Calculus 1 Advanced Wt * #

Level: 10-12
Offered: Fall semester, 5 credits
Prerequisites: M55 or teacher recommendation

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.

*The grade earned in this class will receive additional weight for calculating grade point average on transcripts. See description of weighted grades at front of this guide.

M63 Pre-Calculus 2 Advanced Wt * #

Level: 10-12
Offered: Spring semester, 5 credits
Prerequisite: M62

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.

**M65A & M65B
AP Calculus AB Wt * #**

Level: 10-12
Offered: 2 semester sequence,
5 credits per semester
Prerequisites: M61 and M64 or M62 and M63; application process

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 possibly receive college credit.
NCAA Clearinghouse approved course.

**M66A & M66B
AP Calculus BC Wt * #**

Level: 10-12
Offered: 2 semester sequence,
5 credits per semester
Prerequisites: M62, M63, and application process

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 advanced placement exams and possibly receive college credit.
NCAA Clearinghouse approved course.

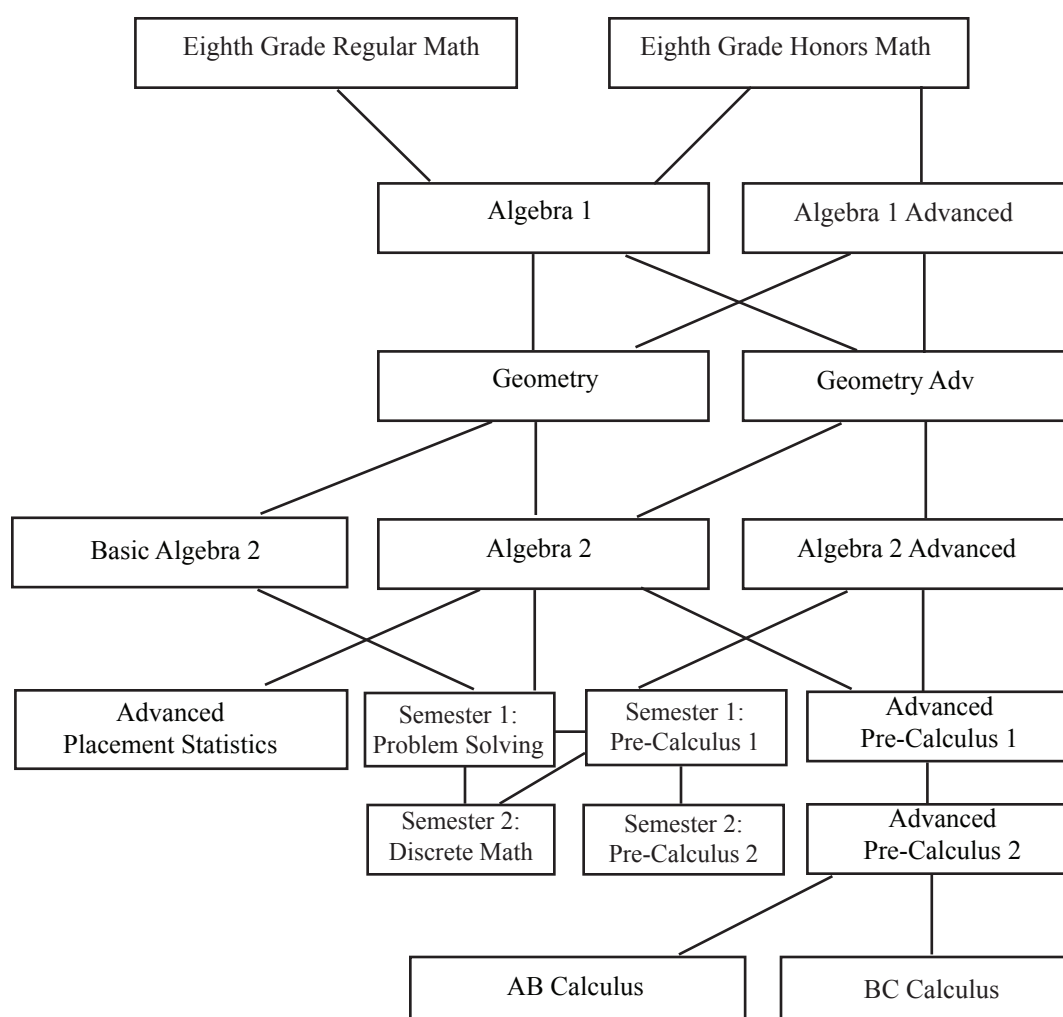
M69A & M69B AP Statistics Wt * #

Level: 10-12
Offered: 2 semester sequence,
5 credits per semester
Prerequisites: M51 or M55, and application process

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, and 4) statistical inference: confirming models. Students who successfully complete the course and AP exam may receive college credit and/or advanced placement for a one-semester college statistics course.
NCAA Clearinghouse approved course.

PLEASE NOTE:
Experience has shown that students who earn less than a "C" are not successful in subsequent courses; therefore, we will strongly recommend against moving students on to the next course.

MATHEMATICS SEQUENCE



MISCELLANEOUS

X22 Office Assistant

Level: 10-12

Offered: 1 semester, 5 credits

Prerequisite: Placement by permission of appropriate office staff or teacher
NOTE: A maximum of ten credits from taking this course may be applied toward graduation. Students may take only one assistantship per semester.

Office Assistant provides students with instruction in the routines and responsibilities of a school office. Students in this program work with the department head, school counselor or secretary during a scheduled period of the school day. Students assist the school staff by performing a variety of supportive tasks including clerical (non-confidential) duties. Students may be scheduled to assist in the Media Center, the Counseling Office, the Attendance Office, the Main Office, or with individual teachers. Students who are interviewed and selected will serve as valuable resources for teachers and office personnel. Students are expected to be dependable and industrious. The ability to relate well with other students, adults, and visitors is very important.

X32 Academic Assistant

Level: 11-12

Offered: 1 semester, 5 credits

Prerequisite: Teacher recommendation

Academic Assistant provides high school students with an organized experience to assist students in Grades 9-12, through a helping relationship, with their studies and personal growth and development. The course provides opportunities for the students taking the

course to develop a basic understanding of individual differences and to explore career options in related fields. Academic Assistant experiences are preplanned by the teacher of the course and any cooperating teacher under whom the tutoring is to be provided. The course provides a balance of class work relating to the development of and use of: (1) listening skills, (2) communication skills, (3) facilitation skills, (4) decision-making skills, and (5) teaching strategies.

X61A & X61B Student Council

Level: 9-12

Offered: 2 semesters sequence,

5 credits per semester

Prerequisite: Interview process to follow pre-registration

Student Council provides students elected to Student Council with an organized period to carry out the functions of student governance. The purpose of this class is to teach, develop, and refine leadership skills. Skills taught will include project planning, effective delegation, task identification analysis and scheduling, effective communication, the role of interpersonal relationships in leadership, parliamentary procedure, constructive argumentation, and budgeting. Students will learn through both at-your-seat instruction and application to projects such as Homecoming, school, and community service projects.

X67 Community Service

Level: 9-12

Offered: 100 volunteer hours, 5 credits

Prerequisite: By application

Students must register for this course by completing the application and being 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 prior 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. **Approved community service is not to exceed five credits.**

C72 Understanding Diversity in the United States

Level: 9-12

Offered: 1 semester, 5 credits

Prerequisite: None

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 communities of color and other cultural groups; analyze literary works, art, and the media; and share their learnings through classroom presentations, discussions, and written reports.

NCAA Clearinghouse approved course. MONEY MANAGEMENT/ PERSONAL FINANCE

Please review page one of this guide and discuss with counselors.

ONLINE LEARNING

See counselors for options.

FRESHMEN:

S10A & S10B Physical Science

Level: 9

Offered: 2 semester sequence,
5 credits per semester

Prerequisite: None

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.

S20A & S20B Physical Science Advanced Wt *

Level: 9

Offered: 2 semester sequence,
5 credits per semester

Prerequisite: None

Physical Science Advanced 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. Physical Science Advanced places an emphasis on quantitative analysis whenever applicable in the curriculum. Physical Science Advanced requires substantial homework and the ability of a student to learn independently as well as cooperatively.

NCAA Clearinghouse approved course.

S37A & S37B Biology Advanced Wt *

Level: 9-10

Offered: 2 semester sequence,
5 credits per semester

Corequisite: M43 or M51

Biology Advanced Wt provides the opportunity for students to explore the relationships between structure and function in organisms and the interaction of cells and organisms with each other and their environments. Students will also study at an accelerated pace and in greater depth than S31 Biology. 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, immunology and disease, and ecology. Laboratory activities reinforce concepts and principles presented. Biology Advanced requires substantial homework and the ability of the student to learn independently as well as cooperatively.

NCAA Clearinghouse approved course.

SOPHOMORES:

S31A & S31B Biology

Level: 10-12

Offered: 2 semester sequence,
5 credits per semester

Prerequisite: S10

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.

ADDITIONAL COURSES:

S16A & S16B Earth, Space, and Geophysical Science

Level: 10-12

Offered: 2 semester sequence,
5 credits per semester

Prerequisite: None

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 student 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.

NCAA Clearinghouse approved course.

S33A & S33B Anatomy and Physiology

Level: 11-12

Offered: 2 semester sequence,
5 credits per semester

Prerequisite: S31 or S37

Anatomy and 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 a survey of the remarkable array of body systems that comprise the human body. Laboratory activities reinforce concepts and principles presented in the course.

NCAA Clearinghouse approved course.

S42 Astronomy

Level: 10-12

Offered: 1 semester, 5 credits

Prerequisite: S10

This one semester course provides the opportunity to develop knowledge and understanding about the solar system, galaxy, and universe in which we live. Much attention is given to an appreciation for how we have obtained this information about the universe. Students use tools of observation to learn about space and learn how other astronomers past and present have used tools available. Areas of study include: the process of science including use of tools used to observe the sky, stellar astronomy and how stars change over time, and planetary astronomy and how interstellar spacecraft are obtaining information about other bodies in the solar system.

NCAA Clearinghouse approved course.

S50A & S50B Chemistry

Level: 10-12

Offered: 2 semester sequence,
5 credits per semester

Prerequisites: S31 or S37 and concurrent enrollment in M51 or higher

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 and molecular geometry, and thermochemistry. Laboratory activities reinforce concepts and principles presented in the course.

NCAA Clearinghouse approved course.

S51A & S51B Chemistry Advanced Wt *

Level: 10-12

Offered: 2 semester sequence,
5 credits per semester

Prerequisites: S31 or S37 and concurrent enrollment in M51 or higher

Chemistry Advanced is a first year chemistry course that includes more independent thinking and laboratory work than S50 Chemistry. As with Chemistry, 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, bonding, molecular geometry, and thermochemistry. Laboratory activities reinforce concepts and principles presented in the course. Additionally, more depth of understanding is expected of students than in the Chemistry course. The culminating activity is an independent research project.

NCAA Clearinghouse approved course.

S66A & S66B AP Chemistry Wt *

Level: 11-12

Offered: 2 semester sequence,
5 credits per semester

Prerequisites: S51 or S50, M51 or M55 and application process

AP Chemistry is designed to be the equivalent of the general chemistry course usually taken during the first year of college. The curriculum of 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 kind 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 students. The AP Chemistry examination may be taken at the end of this course.

NCAA Clearinghouse approved course.

S61A & S61B Physics

Level: 11-12

Offered: 2 semester sequence,
5 credits per semester

Prerequisite: Preferably 2 years of Algebra

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.

S63A & S63B Physics Advanced Wt *

Level: 11-12

Offered: 2 semester sequence,
5 credits per semester

Corequisite: M61 or M62; teacher recommendation

Physics Advanced Wt will acquaint students with the basic physical laws of our world. The major areas of study are in measurement, light, waves, motion, forces, energy, electricity, magnetism, and atomic physics. Laboratory work serves to promote understanding and to illustrate the experimental nature of physics. A high

degree of skill in algebra and geometry is necessary for success in this course.

NCAA Clearinghouse approved course.

S68A & S68B AP Biology Wt *

Level: 11-12

Offered: 2 semester sequence,
5 credits per semester

Prerequisites: S31, S50 and application process

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.

S69A & S69B AP Environmental Science Wt *

Level: 11-12

Course Length: 2 semester sequence,
5 credits per semester

Prerequisites: S10 or S50, S31, M31 and excellent reading skills, recommendation of current science teacher and interview with instructor prior to enrollment.

This introductory college level laboratory and field course is designed to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course follows the AP syllabus and students should plan on taking the AP exam in May. Students will learn to identify and analyze natural and human-made environmental problems, to evaluate the associated risks, and to examine the various alternative solutions for resolving or preventing the problems. The following themes will be covered: the interdependence of the earth's systems; human population dynamics; renewable and non-renewable resources; environmental quality; and the environment and society.

NCAA Clearinghouse approved course

S98A & S98B Research Seminar in Science Wt.* (only upon successful completion of full year)

Level: 10-12

Offered: 2 semesters sequence,
5 credits per semester

Prerequisites: S10, S31 or S37 and application process

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.

***The grade earned in this class will receive additional weight for calculating grade point average on transcripts. See description of weighted grades at front of this guide.**

FRESHMEN:

T37 United States Government

Level: 9 (required); 10-12
Offered: 1 semester, 5 credits
Prerequisite: None

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. The course will combine the historical foundations with analysis of current events. Students will be encouraged to simulate, observe and participate in local government.

Freshmen are automatically registered for US Government as part of the Freshman CORE. Older students who need the government credit should register for T37.

NCAA Clearinghouse approved course.

T60 World Geography

Level: 9 (required); 10-12
Offered: 1 semester, 5 credits
Prerequisite: None

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.

Freshmen are automatically registered for this class as part of Freshman CORE. Older students who need to take Geography should register for T60.

NCAA Clearinghouse approved course.

SOPHOMORES:

T41A & T41B

World History: 1450 to the Present

Level: 10 (required); 11-12
Offered: 2 semester sequence,
5 credits per semester
Prerequisite: None

World History is a chronological, thematic, and comparative study of the world from 1450 to the present. Students will examine themes that span regions and will focus on the interaction of world citizens and ideas from the First Global Age through the 20th century. Students will be engaged in an in-depth study of some eras and will be asked to complete independent research, apply critical thinking, and examine multiple perspectives on world issues.

NCAA Clearinghouse approved course.

T54A & T54B

AP World History Wt *

Level: 10
Offered: 2 semester sequence,
5 credits per semester
Prerequisite: Application process

Advanced Placement World History is a 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.

NCAA Clearinghouse approved course.

JUNIORS:

T21A & T21B

United States History: 1890 to the Present

Level: 11 (required)
Offered: 2 semester sequence,
5 credits per semester
Prerequisite: None

United States History focuses on American history from Industrialization into the 21st century. Students will deepen their understanding of current events and participate in an enriched study of the 20th century, tracing the development of social, political, and international relations of the United States. Students will be required to critically examine how our recent history impacts the present day.

NCAA Clearinghouse approved course.

T38A & T38B

AP United States History Wt *

Level: 11
Offered: 2 semester sequence,
5 credits per semester
Prerequisite: Application process

Advanced Placement United States History is an intensive study of history designed for the student wishing a more rigorous course. College level reading, critical analysis, discussion, problem solving debates, and essays are integral components of the course.

NCAA Clearinghouse approved course.

ADDITIONAL COURSES:

T74 Economics

Level: 11-12 (or teacher approval)
Offered: 1 semester, 5 credits
Prerequisite: None
(Meets Money Mgmt. Requirement)

Current economic issues will serve as a foundation for the application of economic theory in this semester course. Analysis of the American economic system as it relates to the individual and other economic systems will be a focus. Specific units will cover microeconomic concepts such as the law of supply and demand, factors of production, and the business cycle. Macroeconomic topics will include money and banking, monetary and fiscal policy, international trade, and the impact of globalization. Comparative economic systems and the history of economic thought will also be covered.

NCAA Clearinghouse approved course.

T80 Psychology

Level: 11-12
Offered: 1 semester, 5 credits
Prerequisite: None

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: 11-12
Offered: 1 semester, 5 credits
Prerequisite: None

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.

T85A & T85B

AP European History Wt *

Level: 11-12
Offered: 2 semester sequence,
5 credits per semester
Prerequisite: Application process

Advanced Placement European History is an intensive study of history designed for above average students. The time period covered is approximately 1450 - 1970, the high Renaissance to the recent past in Europe. Included in the course are college level readings, research, writing, critical thinking, and historiography.

NCAA Clearinghouse approved course.

T168A & T168B

AP Human Geography Wt *

Level: 10-12
Offered: 2 semester sequence,
5 credits per semester
Prerequisite: Application process

AP Human Geography is a university level introduction to the systematic study of patterns and processes that have shaped human understanding, use, and the alteration of Earth's surface. Students use university level geographic concepts, theories, texts, 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.

T187A & T187B AP United States Government & Politics Wt*

Level: 10-12
Offered: 2 semester sequence,
5 credits per semester
Prerequisite: Application process

Advanced Placement United States 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, the role of the media and political campaigns will also be addressed in this course.

NCAA Clearinghouse approved course.

MINIMUM GRADUATION REQUIREMENTS:

U. S. Government
World Geography
World History
U. S. History

Social Studies AP/Honors Requirements

Students who want to enroll in AP or Honors Level Social Studies classes MUST obtain a formal application from their Social Studies teacher or Counselor. The application must be completely filled out and turned in to the department before the end of the enrollment period. Most of your questions or concerns will be covered in the application. Enrollment in AP or Honors Level courses require a completed application.

Many colleges grant one year of college credit for World History, American History, European History, or American Government if a student earns a "3" or better on the respective Advanced Placement Exams given in the spring.

***The grade earned in this class will receive additional weight for calculating grade point average on transcripts. See description of weighted grades at front of this guide.**

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WORLD LANGUAGES

LEVEL 1

F11A & F11B French 1
F31A & F31B German 1
F71A & F71B Spanish 1

Level: 9-12

Offered: 2 semester sequence,
5 credits per semester

Prerequisite: None

Level 1 introduces students to the specific world 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

F12A & F12B French 2
F32A & F32B German 2
F72A & F72B Spanish 2

Level: 9-12

Offered: 2 semester sequence,
5 credits per semester

Prerequisite: Level 1

(Meets Second Language Acquisition Requirement)

Level 2 furthers the study of grammar, vocabulary, and an understanding of world 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

F13A & F13B French 3
F33A & F33B German 3
F73A & F73B Spanish 3

Level: 9-12

Offered: 2 semester sequence,
5 credits per semester

Prerequisite: Level 2

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. Students will read one unabridged work.

NCAA Clearinghouse approved course.

LEVEL 4

F19A & F19B French 4 Wt *
F39A & F39B German 4 Wt *
F79A & F79B Spanish 4 Wt *

Level: 10-12

Offered: 2 semester sequence,
5 credits per semester

Prerequisite: Level 3

Level 4 is taught exclusively in the specific World Language. It explores topics in advanced 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 native speakers. Students will develop appropriate verbs, structure, vocabulary, idioms, and cultural understanding necessary to perform communicative functions at the advanced level.

NCAA Clearinghouse approved course.

LEVEL 5

F26A & F26B AP French 5 Wt*
F46A & F46B AP German 5 Wt*
F85A & F85B AP Spanish 5 Wt*

Level: 11-12

Offered: 2 semester sequence,
5 credits per semester

Prerequisite: Level 4

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.

F87A & F87B

Advanced Placement Spanish Literature Wt *

Level: 11-12

Offered: 2 semester sequence,
5 credits per semester

Prerequisites: Spanish 4 or 5 AP and teacher recommendation

Spanish Literature is a panoramic survey of Spanish and Latin American Literature, encompassing works from the thirteenth to the twenty-first centuries. Unabridged literacy works studied include poems, essays, plays, short stories and novels. The class is conducted exclusively in Spanish. At the end of the year all students may take and earn college credit if they perform well on the AP Spanish Literature Exam (optional).

NCAA Clearinghouse approved course.

F98A & F98B

American Sign Language 1

Level: 9-12

Offered: 2 semester sequence,
5 credits per semester

Prerequisite: None

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.

NCAA Clearinghouse approved course.

F99A & F99B

American Sign Language 2

Level: 10-12

Offered: 2 semester sequence,
5 credits per semester

Prerequisite: F98

American Sign Language 2 furthers the study of grammar, vocabulary idioms, multiple meaning words, finger spelling, classifiers through text, signing presentations, dialogues, cultural experiences, and supported written word. Successful completion of this course meets both the Boulder Valley 2010 Graduation Requirements for Second Language Acquisition as well as the Colorado Commission for Higher Education Foreign Language requirement for admission to a four year college in the state of Colorado.

NCAA Clearinghouse approved course.

Please note:

It is highly recommended that students earn a "C" or higher prior to advancing to the next level.

Advanced Placement Language Test is available to Level 4 students.

All Level 4 and Level 5 students must obtain teacher recommendation and complete an essay to be considered for these classes.

*The grade earned in this class will receive additional weight for calculating grade point average on transcripts. See description of weighted grades at front of this guide.

WORLD LANGUAGE SEQUENCE

LEVEL 5	GRADE 11	GRADE 12			
LEVEL 4	GRADE 10	GRADE 11	GRADE 12		
LEVEL 3	GRADE 10	GRADE 11	GRADE 12		
LEVEL 2	GRADE 9	GRADE 10	GRADE 11	GRADE 12	
LEVEL 1	GRADE 8	GRADE 9	GRADE 10	GRADE 11	GRADE 12

English as a Second Language:

All students taking ESL classes will be recommended into those courses through teacher recommendation.

LA2A & LA2B English as a Second Language 2

Level: 9-12

Offered: 2 semester sequence,
5 credits per semester

Prerequisite: LA1 or department recommendation

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.

LA3A & LA3B ESL Language Development

Level: 9-12

Offered: 2 semester sequence,
5 credits per semester

Prerequisite: LA2 or department recommendation

ESL Language Development emphasizes a variety of communication skills: listening, speaking, reading, and writing. Students will develop reading and writing skills integral to their success in subsequent literature courses. This class begins with an emphasis on the structural elements of written communication; i.e., parts of speech, sentences and paragraph development, and essay writing. Poetry, drama, short stories, adapted classics, and nonfiction prose will be used to increase students' reading fluency and comprehension. Continued study of grammar and usage, vocabulary development, outlining, summarizing, analyzing, and the use of context clues will fill in gaps in students' English language development. Students

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Z72A and Z72B

Work Experience Modified

Level: 10-12

Offered: 2 semester sequence,
5 credits per semester

Prerequisite: None, placement by departmental recommendation

The purpose of this class is to develop the student academically, vocationally, and socially. This program is a cooperative effort between the Teacher/Coordinator, the employer, and the student. Students participating in the program should also be earning credit or have earned credit in a job-related class. A maximum of 15 credit hours per semester is possible for participation in the program and is based on documented hours of work completed. Students may earn a maximum of 30 credits toward graduation in this program.

ZLLA and ZLLB

Academic Support Center

(formerly Learning Laboratory)

Level: 9 - 12

Offered: Variable

Prerequisite: None, placement by departmental recommendation

Academic Support Center is for students with average or above average ability who have special educational needs. Academic Support Center teaches strategies and skills for improving academic success. Students learn to organize information, to prepare for tests, and to improve basic reading, math, and writing skills. Students may use this class to work on academic assignments and access various IEP modifications and accommodations.

Functional Academic Cluster

Level: 9-12

Offered: Variable

Prerequisite: Permission of instructors

Four classes are offered in the functional academic cluster and students are scheduled to take between one and four of these courses.

H. S. Math - Students work on a variety of functional math skills such as banking and scheduling while also sharpening their basic math skills.

H. S. English - This class focuses on basic reading, writing, and communication skills via cultural studies, current events, and personal experiences. Alternative technology is accessed when necessary to ensure success and growth for all students.

Living on Your Own - The students in this class work on skills needed as an adult. Shopping, microwave cooking, basic job skills, and gardening are the main areas of concentration for this class.

Community - Students become contributing members of their community by shopping for the school store each week. They also learn how to access activities and services in Broomfield by visiting the recreation center to swim and exploring other recreational places, businesses, and service providers in the area once a week.

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Boulder Valley Technical Education Center Arapahoe Campus
COURSES for SCHOOL YEAR 2011-2012

EDUCATION WITH A DIFFERENCE!

Boulder Technical Education Center (TEC), 6600 Arapahoe Road, Boulder, CO 80303 Phone 720-561-5220 Fax 720-561-5258, http://www.bvsc.k12.co.us/schools/bouldertec/home_html

Boulder Technical Education Center (TEC) programs are available to all BVSD high school students as elective credits in career and technical educational areas.

Interested students should discuss TEC with parents and a home school counselor/case manager, complete a TEC enrollment form, meet with the TEC representative, and shadow programs of interest. Students must be a minimum of 15 years old and being 16 years old is required for some programs. Students can enroll in either a morning or afternoon 165 minute block at TEC while concurrently enrolled in a home high school.

Detailed descriptions of each course are available with home school counselors or from the Boulder Technical Education Center. The following certificate programs are available:

The following courses are part of the BVSD Master Course Descriptions and may not be offered at the Arapahoe Campus.

**AUTOMOTIVE COLLISION
REPAIR PROGRAM**

- V01 - Collision Repair 1
- V02 - Collision Repair 2
- V13 - Collision Repair 3

**AUTOMOTIVE TECHNOLOGY
PROGRAM**

- V86 - Tire & Wheel Technician
- V87 - Lube Technician
- V93 - Auto Heating & Air Conditioning
- V94 - Automotive Engine Repair
- V95 - Auto Electrical: Basic
- V96 - Automotive Electrical: Advanced

**COMPUTER INFORMATION
SYSTEMS PROGRAM**

- V56 - Computer Forensics
- V61 - Computer Information Systems 1
- V62 - Computer Hardware Essentials
- V63 - Game Design and Software Production
- V65 - Software Applications for Professional Billing Services

**CONSTRUCTION TRADES
PROGRAM**

- V31 - Construction Trades 1
- V32 - Construction Trades 2

COSMETOLOGY PROGRAM

- V79 - Nail Technician
- V81 - Esthetician
- V82 - Hair Styling 1
- V83 - Hair Styling 2

**GENERAL AGRICULTURE
PROGRAM**

- V09 - Greenhouse Management 1
- V10 - Greenhouse Management 2

**GRAPHIC COMMUNICATIONS
PROGRAM**

- V45 - Graphic Communications 1
- V46 - Graphic Communications 2
- V55 - 3D Animation with Game Design

**HEALTH OCCUPATIONS
PROGRAM**

- V70 - Nursing Assistant
- V84 - Forensic Technology
- V85 - Health Science Technology Education

**MULTIMEDIA TECHNOLOGY
PROGRAM**

- V37 - Multimedia 1
- V38 - Multimedia 2
- V55 - 3D Animation with Game Design

WATER INDUSTRY PROGRAM

- V47 - Water Foundations
- V48 - Essentials of Wastewater Collections
- V49 - Essentials of Water Distribution

Bussing is provided from most high school locations.