



In Living Memory of the Brave WWII Heroes of Bataan  
**Bataan Military Academy**

8001 MOUNTAIN ROAD PLACE NE  
ALBUQUERQUE, NEW MEXICO 87110

*Home of the Fighting Sea Lions*  
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# HIGH SCHOOL (GRADES 9-12) COURSE OFFERINGS AND DESCRIPTIONS 2011-2012

HONOR COURAGE COMMITMENT

# Bataan Military Academy™

## COURSE HANDBOOK: DESCRIPTIONS AND OFFERINGS

### 2011-2012

#### MISSION

The mission of the Bataan Military Academy is to provide a world-class public high school education for students of a range of abilities and backgrounds and to create a partnership among parents, teachers, students, military-related organizations, military services, and community members that maximizes student potential.

#### COURSES AT BATAAN MILITARY ACADEMY

Courses at Bataan Military Academy (BMA) and the curriculum that supports those courses are in alignment with the New Mexico State Standards. This document provides parents and students with the names of current course offerings that *may* be offered during the 2011-12 school year. Courses that are scheduled each year are determined by student requests as well as licensed staff availability. A course description for each class is also included.

#### ACCREDITATION, AUTHORIZATION AND AFFILIATION

The Bataan Military Academy a NM Public Charter high school under the authorization of Albuquerque Public Schools. As such, all Cadets are required to meet state approved graduation requirements. BMA is a fully nationally accredited school with NCA/Advance Ed. In addition, Bataan Military Academy™ is a traditional high school, and as such, has been classified by the U. S. Department of Defense (DoD) as a Tier I School meeting and maintaining all criteria for international classification by the DoD. Additionally, BMA is a member in good standing of the New Mexico Activities Association (NMAA) and the New Mexico Coalition for Charter Schools (NMCCS).

#### TRANSFER STUDENTS

For students transferring into BMA public high school, the number of credits for graduation is based on the requirements during the year in which the student was accepted. Transcripts are analyzed and, if needed, the credit requirements will be adjusted proportionately to reflect differences in graduation requirements. To graduate from BMA public high school, all Governing Council and NM Public Education Department requirements must be met.

#### GRADES

Grades are based on a 4.0 grading scale. Numerical passing grade in each class is 60. BMA ranks together all students at each grade level on all subjects taken for credit. One-half credit is granted for each class at the end of the semester. Credits are granted with passing grades (A, B, C, or D). Credit is not granted for (F, I, or W/F). If a course is repeated, the higher grade will be accepted & recorded in the GPA (grade point average), but both courses will appear on a student's transcript. Students who drop a course after a ten (10) day drop/add enrollment period will receive a W/F (withdrawal/failure). This stays permanently on the transcript.

#### GRADE LEVEL PLACEMENT BASED ON NUMBER OF CREDITS EARNED

Students must earn credits to be assigned a class designation (freshman, sophomore, junior, senior). The credits that assign students to a grade level are as follows:

0 – 5.5 = freshman; 6.0 – 11.5 = sophomore; 12 – 17.5 = Junior; 18.0+ = Senior

## REGISTRATION GUIDELINES

The pages that follow include explanations of dual enrollment, Career Pathways, credentialing, portfolios and graduation credits required for graduation. Please take the time to completely review the catalog. Keep in mind that all courses are full year courses (2 semesters), unless otherwise designated. Students are expected to remain in the 2nd semester of the classes they choose, so assist your student in making appropriate class selections for the entire school year.

Please choose courses carefully as there will be **NO SCHEDULE CHANGES AFTER THE DROP/ADD PERIOD (FIRST 10 DAYS OF THE SEMESTER)** except for the following reasons:

- Duplicate Credit
- Graduation Requirements not met
- Failure of Pre-requisite
- College entrance requirements not met
- Incomplete Schedules

## DUAL CREDIT

We encourage 11th and 12th grade students to take dual enrollment classes at CNM or UNM. Dual enrollment classes at CNM are free to our students. If you are interested in taking Dual Credit classes go to [www.cnm.edu](http://www.cnm.edu) for more information and talk with the Principal or Registrar at BMA.

## IDEAL NEW MEXICO

At BMA classes are available through the New Mexico Public Education Department's IDEAL NM program to earn high school credit through on-line computer class. There are many high school classes available for credit through this program. The Bataan Military Academy works with Ideal, NM through a joint partnership to provide Ideal NM classes at the school site. There is a tuition fee for student participation in the program on a semester tuition basis. IDEAL NM is an excellent way to assist students in acquiring high school graduation credits in one of the following four ways:

1. Credit Recovery-make up missing or failed credit classes.
2. Credit Enhancement-allow students the opportunity to take classes that would normally not be available at the school they are attending.
3. Credit Acceleration-allow students to accelerate their academic plans and/or take enhanced courses such as AP classes that may assist their college academic goals.
4. Graduation Requirements: Incoming freshman for 2009-2010 have an additional graduation requirement that may be met by an online class and/or AP class which IDEALNM courses may assist in meeting that requirement.

## NEXT STEP PLAN:

The New Mexico Public Education Department has designed the Next Step Plan (NSP) document to meet the legislative requirements of HB522. This is a living, working document that will be reviewed and updated yearly, and culminate in a transition plan during his/her 12th grade year for a post-secondary future. The purpose of the NSP, through involvement of the student, the student's parent(s)/ guardian(s), school counselor, school advisor and other pertinent people, is to work together assisting the student in developing his/her goals and plans in a conscientious manner for their career and Personal future.

**TESTING:****9<sup>th</sup> GRADE:**

- Short Cycle Assessments 3 times a year in Lang Arts & Math
- No standardized testing. **REQUIRED.** Under state requirements.

**10<sup>TH</sup> GRADE:**

- Short Cycle Assessments 3 times a year in Lang Arts & Math
- *PSAT*: The Preliminary SAT test is a standardized test that provides practice for the SAT test. It is also a pre-qualifier to enter the National Merit Scholarship Corporation scholarship program. The PSAT provides feedback on your strengths and weaknesses for study in college. Bataan Military Academy participates in the testing of all 10<sup>th</sup> graders through a state sponsored grant. 11<sup>th</sup> grade students may also choose to participate in the PSAT but there is a testing fee for the test to 11<sup>th</sup> since they are not covered by the state PSAT grant.
- *ASVAB*—The Armed Services Vocational Aptitude Battery test is a multi-aptitude test battery consisting of multiple individual tests. Students receive scores on each individual test as well as composite scores based on the combination of individual tests. Students are also given assistance with score interpretation as to how these scores can be helpful in career counseling.

**11<sup>TH</sup> GRADE:**

- Short Cycle Assessments 3 times a year in Lang Arts & Math
- 11<sup>th</sup> Grade Standards Based Assessment (SBA) -- **REQUIRED:** The SBA is a state mandated standardized test that all juniors are required to take. This test is used as a measurement of student performance against NM state standards. There are subtests in Reading, Language Arts, Math, Science and Social Studies. ***The passing of all sections of this test is now required as a NM Graduation Requirement.*** Scores are also used from this test to measure school progress through the state Annual Yearly Progress (AYP) report.
- *ASVAB*—The Armed Services Vocational Aptitude Battery test is a multi-aptitude test battery consisting of multiple individual tests. Students receive scores on each individual test as well as composite scores based on the combination of individual tests. Students are also given assistance with score interpretation as to how these scores can be helpful in career counseling.
- *PSAT* - **OPTIONAL** for all eleventh grade students. (please see description above)
- Other optional tests that juniors may think about participating in are the ACT, SAT, and the CNM ACCUPLACER.

**12<sup>th</sup> GRADE:**

- **Portfolio requirement for graduation completion**
- *ASVAB*—The Armed Services Vocational Aptitude Battery test is a multi-aptitude test battery consisting of multiple individual tests. Students receive scores on each individual test as well as composite scores based on the combination of individual tests. Students are also given assistance with score interpretation as to how these scores can be helpful in career counseling.
- Other optional tests that seniors may think about participating in are the ACT, SAT, and the CNM ACCUPLACER.

## COURSE OFFERINGS AND DESCRIPTIONS

### LANGUAGE ARTS

#### ENGLISH 9

Length of Course: One Year Credit/.50 per Semester/English

Grade Level(s): Freshman year (9 – 12) **MEETS ENGLISH 9 GRADUATION REQUIREMENT**

**COURSE DESCRIPTION:** In English 9, the student surveys the elements of various types of literature from around the world. The student recognizes and understands the concept of theme, explores various genre and the unique characteristics of each (e.g. the oral tradition, poetry, prose, fiction, non-fiction, drama, the novel) and reads numerous selections by a wide variety of authors. Regardless of the approach(s) used, the student applies critical thinking skills through reading, speaking, viewing and listening strands of languages arts, through writing and research (50% of the course), and through the use of technology as a learning tool.

Students who take a Language Arts class for English credit are expected to meet or exceed the New Mexico Language Arts Standards and Benchmarks.

#### ENGLISH 10

Length of Course: One Year Credit/.50 per Semester/English

Grade Level(s): Sophomore year (9 – 12) **MEETS ENGLISH 10 GRADUATION REQUIREMENT**

**COURSE DESCRIPTION:** In English 10, the student surveys and samples a wide variety of multi-cultural literature of the world from diverse authors, various time periods, and various *genres*. The student studies and considers a broad spectrum of themes and perspectives from around the globe and makes connections to his or her own ancestry and to the ancestry of other peoples of the world. Regardless of the approach(s) used, the student applies critical thinking skills through reading, speaking, viewing and listening strands of languages arts, through writing and research (50% of the course), and through the use of technology as a learning tool.

Students who take a Language Arts class for English credit are expected to *meet or exceed* the New Mexico Language Arts Standards and Benchmarks.

#### ENGLISH 11

Length of Course: One Year Credit/.50 per Semester/English

Grade Level(s): Junior Year (9 – 12) **MEETS ENGLISH 11 GRADUATION REQUIREMENT**

**COURSE DESCRIPTION:** In English 11, the student surveys selections of the literary history of America using a particular approach designed by the teacher and supported with appropriate instructional materials. With a chronological approach, the student surveys selected samples from the Colonial Period (1607-1765) to the Post-Modern Period (1970 – Present) including political and social history and literary movements within each period. With a thematic approach, the student surveys selections of American literature across time grouped by themes, (e.g., Struggle for Independence, the American Dream, Individual Thought and Action.) With a *genre* approach, the student surveys various time periods and themes in American literature through selected genre across time periods (e.g., early journals, poetry, verse, sermons, oratory, short stories, novels, and plays). With a humanities or interdisciplinary approach, the student makes connections to corresponding time periods and themes through the study of U.S. History and/or other subject areas. Regardless of the approach(s) used, the student applies critical thinking skills through reading, speaking, viewing and listening strands of languages arts, through writing and research (50% of the course), and through the use of technology as a learning tool.

The student who takes a language arts class for English credit is expected to *meet or exceed* the New Mexico Language Arts Standards and Benchmarks.

## ENGLISH 12

Length of Course: One Year Credit/.50 per Semester/English

Grade Level(s): Senior Year (9 – 12) **MEETS ENGLISH 12 GRADUATION REQUIREMENT**

**COURSE DESCRIPTION:** In English 12, the student surveys selections of the literary history of the world/Great Britain using a particular approach designed by the teacher and supported with appropriate instructional materials. With a chronological approach, the student surveys selected samples from B.C. –A.D. 428 to the present including political and social history and literary movements within each period, (e.g. Celtic and Roman, The Anglo-Saxon, Medieval, Renaissance, Age of Reason, Romantics, Victorians, Modern, etc.). With a thematic approach, the student surveys selections of world/British literature across time grouped by themes (Storytelling, Expanding Horizons, Conflict and Turning Points, etc.). With a *genre* approach, the student surveys various time periods and themes in world literature through selected *genre* across time periods (e.g. mythology, legends, epics, journals, poetry, verse, plays, novels, short stories, etc.). With a humanities or interdisciplinary approach, the student makes connections to corresponding time periods and themes through the study of World History and/or other subject areas. Regardless of the approach(s) used, the student applies critical thinking skills through reading, speaking, viewing and listening strands of languages arts, through writing and research (50% of the course), and through the use of technology as a learning tool.

Students who take a Language Arts class for English credit are expected to *meet or exceed* the New Mexico Language Arts Standards and Benchmarks.

## LITERACY STRATEGIES I

Length of Course: One Year Credit/ **Elective 0.50 per Semester/English Grade Level(s): 9 - 12**

**COURSE DESCRIPTION:** Literacy Strategies I supports the emergent adolescent reader. An emergent adolescent reader often exhibits many of the following characteristics: needs teacher direction to make connections between text and background knowledge, has difficulty summarizing what is read, possesses a limited vocabulary and needs strategies for word study, does not read fluently, and is hesitant to read independently. This course is designed to provide both individual and small group instruction in order to meet each student's needs in reading components. The student practices the essential reading elements: fluency, vocabulary, word study, academic language, text structure, and comprehension. The student uses several strategies for increasing comprehension of diverse texts such as summarizing, questioning, predicting and previewing, using text structure, visualizing, and inferring. The student has a variety of opportunities to learn, practice, and internalize these reading behaviors and strategies. To provide authentic opportunities to use and develop language, the student works collaboratively, in pairs and in small groups, discussing text in order to build background knowledge and increase comprehension. To shelter instruction further, the teacher uses visuals, real and anchor videos to front-load lessons. The reading process, reading application, and personal engagement with reading are major areas of focus. Literacy Strategies I and II are developed to support student mastery of the grade-level language arts reading process and reading analysis standards. As the student progresses in skill development, he/she is assessed and moves to the appropriate instructional level course.

## **LITERACY STRATEGIES II**

Length of Course: One Year Credit/ **Elective 0.50 per Semester/English Grade Level(s): 9 - 12**

**COURSE DESCRIPTION:** Literacy Strategies 11 supports the developing adolescent reader. The developing adolescent

reader often exhibits the following characteristics: can summarize text but excludes some important details, uses some prior knowledge to infer ideas from text but also often needs support for less literal interpretations, possesses a working vocabulary but lacks word study strategies to increase vocabulary, comprehends grade-level text inconsistently, reads some texts fluently but has difficulty with others, and needs to build motivation and purpose for independent reading. This course is designed to provide individual as well as small group instruction in order to meet each student's needs. Instruction is guided by ongoing assessments. The student practices the essential reading elements: fluency, vocabulary, word study,

Academic language, text structure, and comprehension. The student uses several strategies for increasing comprehension of diverse texts such as summarizing, questioning, predicting and previewing, using text structure, visualizing, and inferring. The student has a variety of opportunities to learn, practice, and internalize reading behaviors and strategies, developing the knowledge, skills, and strategies to support comprehension of grade-level texts through maximum instructional support. To provide authentic opportunities to use and develop language, the student works collaboratively, in pairs and in small groups, discussing text in order to build background knowledge and increase comprehension. To shelter instruction further, the teacher uses visuals, real and anchor videos to front-load lessons. The reading process, reading application, and personal engagement with reading are major areas of focus.

## **ENGLISH AS A SECOND LANGUAGE (ESL) I**

Length of Course: One Year Credit/ 0.50 per Semester/English

**MEETS ENGLISH 9 GRADUATION REQUIREMENT FOR ESL STUDENTS**

Grade Level(s): 9

**COURSE DESCRIPTION:** This course represents standards for a 9<sup>th</sup> grade Language Arts class. Because of the progressive nature of ESL courses, the standards to be used by the teacher should represent the appropriate grade level of the student. The teacher will need to access the grade level standards in order for students to receive their grade level Language Arts credit.

## **ENGLISH AS A SECOND LANGUAGE (ESL) II**

Length of Course: One Year Credit/ Elective 0.50 per Semester/English Grade Level(s): 9 – 12

**MEETS ENGLISH 10 GRADUATION REQUIREMENT FOR ESL STUDENTS**

**COURSE DESCRIPTION:** This course represents standards for a 10<sup>th</sup> grade Language Arts class. Because of the progressive nature of ESL courses, the standards to be used by the teacher should represent the appropriate grade level of

The student. The teacher will need to access the grade level standards in order for students to receive their grade level Language Arts credit.

## **ENGLISH AS A SECOND LANGUAGE (ESL) III**

Length of Course: One Year Credit/ Elective 0.50 per Semester/English Grade Level(s): 9 – 12

**MEETS ENGLISH 11 GRADUATION REQUIREMENT FOR ESL STUDENTS**

**COURSE DESCRIPTION:** This course represents standards for an 11<sup>th</sup> grade Language Arts class. Because of the

progressive nature of ESL courses, the standards to be used by the teacher should represent the appropriate grade level of the student. The teacher will need to access the grade level standards in order for students to receive their grade level Language Arts credit.

**ENGLISH AS A SECOND LANGUAGE (ESL) IV**

Length of Course: One Year Credit/ Elective 0.50 per Semester/English Grade Level(s): 9 – 12

**MEETS ENGLISH 12 GRADUATION REQUIREMENT FOR ESL STUDENTS**

**COURSE DESCRIPTION:** This course represents standards for a 12<sup>th</sup> grade Language Arts class. Because of the progressive nature of ESL courses, the standards to be used by the teacher should represent the appropriate grade level of the student. The teacher will need to access the grade level standards in order for students to receive their grade level Language Arts credit

**COMMUNICATION SKILLS**

Length of Course: One Year Credit/ Elective 0.50 per Semester/Communication Skills Grade Level(s): 9 – 12

**MEETS COMMUNICATION SKILLS GRADUATION REQUIREMENT WHERE NEEDED/ ELECTIVE CREDIT**

**COURSE DESCRIPTION:** In Communication Skills, the student prepares to become an effective and well-rounded communicator - at home, in school, in the community, in post-secondary education, and in the global marketplace. The student develops, practices, and enhances both intra-personal and interpersonal communication skills through units 011 personal/social responsibility and career pathways/readiness. In addition, the student studies group processes, such as decision-making, conflict resolution, and team building and learns to work both independently and collaboratively with others. Other areas of study include: media literacy, study skills, test-taking strategies, and project development, using technology as a learning and presentation tool.

**JOURNALISM I**

Length of Course: One Year Credit/ **Elective 0.50 per Semester/Journalism**

**Grade Level(s): 9 – 12**

**COURSE DESCRIPTION:** In Journalism, the student explores writing practice, that is, the fundamentals of various print and electronic media including newspapers, magazines, yearbooks, and radio and television broadcasts. Areas of emphasis include: interviewing and writing techniques, gathering and researching sources of information, history, law and ethics, First Amendment rights and responsibilities, and media literacy. Special emphasis is placed on distinctive types of journalistic writing, style, and organization as compared to conventional English composition. The student writes, edits, and evaluates news, editorials, columns, features, sports, photo captions, advertising copy, and investigative reports with clear purpose, accuracy, and awareness of the audience(s). The student also explores art, still and motion photography, film, editing, design, advertising, and current technology used to present effective media. The student contributes work for consideration to school and community productions (newspaper, yearbook, magazine and/or radio/TV/digital) and produces individual and class projects for publication or broadcast.

**YEARBOOK I**

Length of Course: One Year Credit/**Elective 0.50 per Semester/Yearbook**

**Grade Level(s): 9 – 12**

**COURSE DESCRIPTION:** In Yearbook I, the student applies entry-level journalistic skills introduced in Journalism/ Mass Communications and participates in specialized areas depending on interests and staffing needs. The student gains experience with cooperative and group processes in areas of planning, decision-making, conflict resolution, team building, business management, elements of design and photography, desktop publishing, time management, and "dead-lining" with guidance, coaching, and mentoring from more advanced student editors and supervision from the teacher/ advisor. The student generates authentic work by producing a yearbook for the school and community.

**YEARBOOK II**

Length of Course: One Year Credit/ **Elective 0.50 per Semester/Yearbook**

**Grade Level(s): 9 – 12**

**COURSE DESCRIPTION:** In Yearbook II, the student enhances individual skills in all journalistic areas and also develops areas of expertise, specializing in one or more areas of the yearbook production process. The student also refines skills with group processes, such as decision-making, conflict resolution, and time management with respect to individual and staff deadlines and mentors less experienced staff members. The Yearbook II student is encouraged to assume increased responsibility and to develop skills that lead to editorial positions with mentoring and coaching from more experienced staff members and with guidance from the teacher/advisor. The student generates authentic work by producing a yearbook for the school and community.

**YEARBOOK III**

Length of Course: One Year Credit/ **Elective 0.50 per Semester/Yearbook**

**Grade Level(s): 9 – 12**

**COURSE DESCRIPTION:** In Yearbook III the student refines and enhances previous journalistic skills and assumes increasingly more challenging and demanding leadership and mentoring roles on the newspaper staff. As specified in the specific staff position description, the editor is responsible for long-range Planning, reinforcing editorial policy, and operating the budget. The editor also orchestrates the co-curricular aspect of the program in cooperation with other editors and the teacher/advisor.

**YEARBOOK IV**

Length of Course: One Year Credit/ **Elective 0.50 per Semester/Yearbook**

**Grade Level(s): 9 – 12**

**COURSE DESCRIPTION:** In Yearbook IV, the student assumes more responsibility for visioning, leading, organizing, and mentoring less experienced editors and staff. As specified in the specific staff position description, the editor is responsible for long-range planning, reinforcing editorial policy, and operating the budget and orchestrating the co-curricular aspect of the program in cooperation with other editors and the teacher / advisor. Besides honing specialty areas of interests, the editor also supervises desktop publishing according to printers' specifications within legal and ethical parameters and within deadlines. The Yearbook IV student models collaborative leadership qualities in addition to making the newspaper a viable and competitive medium. The student generates authentic work by producing a yearbook for the school and community.

**CREATIVE WRITING I**

**Length/Credit: One Year for 1.0 Elective Credit (.5 CREDIT/SEMESTER)**

**Grade Level(s): 11-12**

In Creative Writing I, the student reads, analyzes, and discusses selected models of various American authors to gain a background for extensive original thought and writing. The student experiments with and creates working and showcase portfolios (traditional and/or electronic) representing best work in various genres (e.g., graphic novel, short stories, one-act plays, poetry, fiction, and nonfiction). As part of the creative process, the student identifies and concentrates on individual needs for vocabulary development, spelling, sentence structure, and revision and prepares free lance work for submission to publishers. The student uses technology to support writing, research, and the procedures for submitting work for consideration to print and on-line literary magazines.

## MATHEMATICS

### ALGEBRA I

Length of Course: One Year Credit/.50 per Semester/Mathematics Grade Level(s): 9 – 12

#### **MEETS ALGEBRA I GRADUATION REQUIREMENT:**

**COURSE DESCRIPTION:** In Algebra I the student develops an understanding of the basic structure and language of Algebra, a tool used to represent and solve a variety of real-world situations. Tables, models, and graphs are used to interpret algebraic expressions, equations, and inequalities to analyze functions. In addition, the student uses calculators, computers, and graphing utilities in problem solving. Other areas of study are global processes, geometry, and data analysis and probability. Literacy strategies are integrated throughout the curriculum

### ALGEBRA II

Length of Course: One Year Credit/.50 per Semester/Mathematics Grade Level(s): 9 - 12

#### **MEETS ALGEBRA II GRADUATION REQUIREMENT**

**COURSE DESCRIPTION:** In Algebra II the student learns to extend and develop the concepts studied in Algebra I and Geometry and is introduced to more advanced topics such as relations, functions, conic sections, and exponential and logarithmic functions. Also, more attention is given to the study of systems of equations including quadratic systems, inequalities, and absolute value relations. Other areas of study are geometry and data analysis and probability. The student applies problem-solving techniques and literacy strategies throughout the course as an integral part of the subject. This course exceeds state standards.

### GEOMETRY

Length of Course: One Year Credit/.50 per Semester/Mathematics Grade Level(s): 9 - 12

#### **MEETS GEOMETRY GRADUATION REQUIREMENT**

**COURSE DESCRIPTION:** In Geometry the student learns abstract and logical thinking through inductive and deductive reasoning. The student uses lines, planes, polygons, circles, and three-dimensional figures for representing and solving a variety of problems. Calculators, computers and software programs construction tools (e.g., compass, protractor, straight edge), and graphing utilities are used as tools in problem solving. Other areas of study include global processes; algebra, functions, and graphs; and data analysis and probability.

### MATH STRATEGIES III

Length of Course: **ELECTIVE One Year Credit/ Elective 0.50 per Semester** Grade Level(s): 9 - 12

**COURSE DESCRIPTION:** Math Strategies II is for the student who needs support with Geometry skills and concepts (e.g., lines, planes, polygons, circles, three-dimensional figures and their measurements). The student learns through a variety of strategies, techniques (e.g., graphic organizers, Teaching and Learning with Text), technology (i.e., Geometer's Sketchpad, calculators), and the use of construction tools (e.g., compass, protractor, straight edge). These strategies and techniques improve the student's abilities (0 interpret the text, problem solve, and make connections to real-world situations through a variety of opportunities to learn, practice, and internalize critical-thinking skills.

**MATH STRATEGIES II**

Length of Course: **ELECTIVE One Year Credit/ Elective 0.50 per semester** Grade Level(s): 9 - 12

**COURSE DESCRIPTION:** Math Strategies III is for the student who needs support with Algebra II skills and concepts (e.g., systems of equations, quadratics, functions, probability, statistics). The student learns through a variety of strategies, techniques (e.g., graphic organizers, Teaching and Learning with Text), and technology (e.g., graphing calculators, computers) designed to improve the student's abilities to interpret the text, problem solve, and make connections to real-world situations.

**MATH STRATEGIES I**

Length of Course: **ELECTIVE One Year Credit/ Elective 0.50 per semester** Grade Level(s): 9 - 12

**COURSE DESCRIPTION:** Math Strategies I is for the student who needs support with Algebra I skills and concepts (e.g., operations with integers, solving equations, graphing). The student receives personalized instruction and progress monitoring assessment in his/her areas of need and learns through a variety of strategies, techniques (e.g., graphic organizers, Teaching and Learning with Text), and technology (e.g., graphing calculators and computers). These strategies and techniques improve the student's abilities to interpret the text, problem solve, and make connections to real-world situations through a variety of opportunities to learn, practice, and internalize critical-thinking skills.

**TRANSITION TO COLLEGE MATH**

Length of Course: One Year Credit/.50 credit per semester/ mathematics

Grade Level(s) 11-12

**MEETS 4<sup>TH</sup> YEAR MATH GRADUATION REQUIREMENT/ ELECTIVE**

**A SCIENTIFIC-GRAPHING CALCULATOR(S) IS REQUIRED**

**COURSE DESCRIPTION:** This is a course for students intending to go on to college and wish to improve their unsatisfactory math skills that they had in Algebra I, Geometry, and Algebra II. The course approaches the basic concepts and techniques from Algebra and Geometry through numerical computation concrete problems. The goal is to increase the readiness of these students to do college-level work in mathematics and other math related courses such as science and therefore, open career options that might otherwise be closed.

**PRE-CALCULUS**

Length of Course: One Year Credit/.50 per semester/ mathematics

Grade Level(s): 11-12

**MEETS 4<sup>TH</sup> YEAR MATH GRADUATION REQUIREMENT**

**A GRAPHING CALCULATOR IS REQUIRED—SUCCESSFUL COMPLETION OF ALGEBRA II**

**COURSE DESCRIPTION:** This course unifies and extends the mathematics studied in algebra, geometry and trigonometry and applies it to the study of polynomial, logarithmic trigonometric and exponential functions. Mathematical systems of vectors and polar coordinates are developed in order to apply analytic methods to more complex mathematics in both two and three dimensional space. .

## **CALCULUS**

Length of Course: One Year Credit/.50 per semester/mathematics/elective

Grade Level(s): 11-12

**MEETS 4<sup>TH</sup> YEAR MATH GRADUATION REQUIREMENT**

**A GRAPHING CALCULATOR IS REQUIRED—SUCCESSFUL COMPLETION OF ALGEBRA II OR PRE-CALCULUS IS A PREREQUISITE.**

In Calculus the student applies advanced algebraic concepts and problem-solving techniques, with and without technology, to find the solution of polynomial equations and inequalities. Additional areas of study include, but are not limited to, linear, quadratic, polynomial, rational, exponential, and logarithmic functions and differentiation, and definite and indefinite integration of functions and relations. The student uses reasoning skills to investigate application models..

### **Trigonometry-(Semester)**

Length of Course: One semester .50 credit/semester/mathematics/elective

**MEETS 4<sup>TH</sup> YEAR MATH GRADUATION REQUIREMENT**

**A GRAPHING CALCULATOR IS REQUIRED—SUCCESSFUL COMPLETION OF ALGEBRA II OR PRE-CALCULUS IS A PREREQUISITE.**

Trigonometry is an advanced mathematics course which studies the six trigonometric functions and a basic introduction to polar coordinates. The student solves triangles, trigonometric equations, finds their values, graphs, inverses, and recognizes the relationships to one another. Other areas of study may include global mathematics processes, number sense and operations, geometry, spatial sense, measurement, patterns, functions, and algebraic concepts.

### **Statistics-(Semester)**

Length of Course: One semester .50 credit/semester/mathematics/elective

**MEETS 4<sup>TH</sup> YEAR MATH GRADUATION REQUIREMENT**

**SUCCESSFUL COMPLETION OF ALGEBRA II OR PRE-CALCULUS**

Statistics presents the concepts of statistics and probability in a simplified manner. The course is devoted to the analysis of data sets, the interpretation of the data, and the use of computers to aid problem solving.

Throughout the course, the student sees the practicality statistics has in several content areas, as well as in everyday life.

## SCIENCE / HEALTH

### BIOLOGY

Length of Course: One Year Credit/.50 per Semester

#### MEETS BIOLOGY/LIFE SCIENCE GRADUATION REQUIREMENT

Grade Level(s): 9 – 12

**COURSE DESCRIPTION:** An interactive, highly hands-on course in general biology. Students are exposed to 'life' from the cellular level right through to complex forms with an emphasis on the inter-dependency of all organism and their environment. Throughout the study, students are encouraged to apply critical thinking, ask questions, and explore the nature of science.

### INTEGRATED CHEMISTRY/PHYSICS

Length of Course: One Year Credit/.50 per Semester

#### MEETS CHEMISTRY/PHYSICS GRDUATION REQUIREMENT

Grade Level(s): 9-12

This laboratory course provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The student will identify and analyze environmental problems both natural and human caused, evaluate the risks associated with the problems, and examine alternative solutions for resolving or preventing them. Topics covered include, but are not limited to, scientific investigation, properties and structure of matter, the relationships between matter and energy, forces of nature, and the origins of Earth and the solar system, biological systems, and ecology. The course promotes critical analysis, application of scientific information, and awareness of the impact of scientific advances upon society.

### CHEMISTRY

Length of Course: One Year Credit/.50 per Semester

#### MEETS CHEMISTRY/SCIENCE GRDUATION REQUIREMENT

Grade Level(s): 9 – 12

**COURSE DESCRIPTION:** This laboratory course exceeds state standards and offers extended opportunities for students. It provides preparation for all subsequent science courses including Advanced Placement courses. The student investigates substances and how they react with one another. Concepts of study include, but are not limited to, scientific measurement, properties and structures of matter, atomic theory, classification and periodic trends, bonding theory, chemical reactions (e.g., general types, acid/base, redox), rates, equilibrium, stoichiometry, energy, (e.g., EMR, bonding), nuclear chemistry, and solubility. In addition the student learns how chemistry and Earth and space science are related by studying electromagnetic radiation, radioactivity, the structure of the Earth, and the groundwater. Scientific thinking and practice (e.g., extensive laboratory activities, critical thinking, problem solving), science and society, and literacy are integrated in all science courses.

### PHYSICS I

Length of Course: One Year Credit/.50 per Semester

#### MEETS PHYSICS/SCIENCE GRDUATION REQUIREMENT

Grade Level(s): 9 – 12

#### COURSE DESCRIPTION:

This laboratory course is designed as a study of the relationships between matter and energy. The student investigates topics of study that include, but are not restricted to the principles of motion, gravitation, heat, light, sound, electricity and magnetism, forces of nature, & cosmology. As appropriate, these topics are examined at scales ranging from atomic to astronomical. The focus is on conceptual understanding and practical applications. Literacy strategies are integrated throughout the curriculum.

**ASTRONOMY/GEOLOGY**

Length of Course: One Year Credit/.50 per Semester

**MEETS PHYSICS/ EARTH SCIENCE GRADUATION REQUIREMENT**

Grade Level(s): 9-12

**COURSE DESCRIPTION:**

This is a laboratory course is designed to acquaint the student with the study of geology and Astronomy. In Geology topics include, but are not be limited to, historical geology (e.g., geologic time, life through time, the Earth's origins and the oldest rocks), physical geology (e.g., plate tectonics, minerals, rock cycles, volcanology, seismology, natural resources), geology of New Mexico. The Astronomy topics portion of the course is designed to teach the student to develop a clear understanding of the universe, Milky Way, stars, solar system and the Earth's position in these. The student studies the formation of the solar system,, workings of the sun, comparison of planets, orientation and placement of the Earth in the Milky Way galaxy, formation of galaxies, theories about cosmology, the Big Bang, and the possibility of life in the universe. The history and development of astronomy, the major tools, including ground-based and space-based telescopes, spectroscopy, are investigated intensely. Astronomy uses algebra and geometry to support a deeper understanding of celestial mechanics, Kepler's and Newton's laws, and methods of measuring stars. The student studies the life cycles of stars, including stellar evolution, supernovae, neutron stars and black holes. The student examines scientific thinking and practices and how science impacts individuals and society.

**ANATOMY & PHYSIOLOGY**

Length of Course: One Year Credit/.50 per Semester

**ELECTIVE SCIENCE GRADUATION CREDIT**

This course is a survey course of directed through the anatomical and physiological systems of humans. This laboratory course is designed for the student interested in health occupations and in how the body works. The student explores the structure and function of systems and how each contributes to the complete homeostasis of the body, including the integumentary, skeletal, muscular, nervous, circulatory, digestive, renal, respiratory and reproductive systems. The student also participates in the examination of cells, histology, and basic chemistry as it applies to the study of physiology. Dissection is a requirement fo the anatomy portion of the course. Lab Fee required.

**FORENSICS**

Length of Course: One Year Credit/.50 per Semester/Science

**MEETS ELECTIVE SCIENCE CREDIT/PHYSICS GRADUATION CREDIT**

**Grade Level (s): 10-12**

**COURSE DESCRIPTION:** This laboratory course is designed as an advanced course for students interested in forensic science. The philosophical, rational, and practical framework that supports a forensic investigation is presented via an integrated curriculum. Students study forensic anthropology, biochemistry, chemistry, botany, entomology & physics. Students also engage in problem-solving techniques utilized in analyzing a crime scene. Other topics include ballistics, autopsies, mass disasters, epidemiology of environmental disaster, biological weapons as well as toxicology, microbiology, and pathology. The instructor utilizes a variety of techniques (e.g., demonstration, lecture, laboratory case studies) and literacy strategies.

**HEALTH I**

Length of Course: One Semester Credit/50 per Semester/Health

Grade Level(s): 9 -12

**MEETS HEALTH GRADUATION REQUIREMENT**

**COURSE DESCRIPTION:** In this required one semester course, the student learns about all aspects of health and wellness through learning experiences that emphasize an increased awareness of health behaviors and their positive and negative consequences. Areas of study include, but are not limited to health promotion, acquisition of health information, health behaviors, health factors, interpersonal communication skills, goal setting, and health advocacy. Students will document hours for the required community service project. Literacy skills of reading, writing, speaking, viewing, and researching are integrated throughout the course. Skills and knowledge acquired in this course can be applied to the Health Science and the Human Services Career Clusters and their respective pathways.

**SOCIAL STUDIES****GOVERNMENT**

Length of Course: .50 per Semester/Social Studies—THIS IS A ONE SEMESTER COURSE

**MEETS GOVERNMENT GRADUATION REQUIREMENT**

Grade Level(s): 9-12

**COURSE DESCRIPTION:** Government is a semester course that provides the student with a framework for understanding the purposes, principles, and practices of American government as established by the United States Constitution. The student analyzes the history and changing interpretations of the Constitution, the Bill of Rights, and the current state of the legislative, executive, and judiciary branches of government. In addition, he/she examines his/her rights and responsibilities as a citizen and how to exercise them as well as experience the political process at local state, and national levels of governments.

**ECONOMICS**

Length of Course: .50 per Semester/Social Studies—THIS IS A ONE SEMESTER COURSE

**MEETS ECONOMICS GRADUATION REQUIREMENT**

Grade Level(s): 9-12

**COURSE DESCRIPTION:**

Economics is a semester course with an emphasis on the allocation of scarce resources and the economic reasoning used by government agencies and by people in various economic roles. The student examines topics such as scarcity, supply and demand, market structures, the role of government, money, the role of financial institutions, and international trade.

**US HISTORY/GEORAPHY**

LENGTHOF COURSE: One year credit/ .5 per semester/social studies

Grade Level: 9-12

**MEETS US HISTORY/GEOGRAPHY GRADUATION REQUIREMENT****COURSE DESCRIPTION:**

United States History and Geography is a survey course with a focus on post-Reconstruction United States (1877-Present). Major emphasis is place on American society, culture, and politics. The student uses critical thinking skills to demonstrate understanding of major ideas, eras, themes, developments, and turnig points I the history of the United States.

**WORLD HISTORY/GEOGRAPHY**

Length of Course: One Year Credit/PRI Area: 0.50 per Semester/Social Studies

Grade Level(s): 9 – 12

**MEETS WORLD HISTORY/GEOGRAPHY GRADUATION REQUIREMENT**

**COURSE DESCRIPTION:** World History encompasses the study of diverse regions, cultures, communities, religions, institutions, and their development, growth, and interactions since the Renaissance. This course emphasizes continuity, as well as changes over time, and the outcomes produced by these processes. Themes include the development of economic, social, technological, and political trends, culminating in our present world. Reading, writing, speaking and research strategies are integrated throughout the course, in alignment with the 10th grade Language Arts standards.

**NEW MEXICO HISTORY**

Length of Course: .50 per Semester/Social Studies—THIS IS A ONE SEMESTER COURSE

**MEETS NM HISTORY GRADUATION REQUIREMENT**

Grade Level(s): 9-12

**COURSE DESCRIPTION:** New Mexico History is a semester-long survey course of the political, economic, social, cultural, and geographical features of New Mexico with an emphasis on the 20th century to the present. The student analyzes the role that New Mexico plays in national and international arenas. He/She applies and reconstructs his/her knowledge of the past to develop a historical perspective and uses that perspective when examining relationships of the political, economic, social, and cultural issues of today.

**GEOGRAPHY/SKILLS FOR SUCCESS**

Length of Course: One semester course each/ 0.50 per Semester/Social Studies (1.0 credit together)

Grade Level(s): 09 – 12

**SOCIAL STUDIES ELECTIVE CREDIT**

**COURSE DESCRIPTION:** Geography & Skills For Success are each one semester courses. Together they are designed to give the student the academic and personal tools necessary to succeed in high school utilizing a geography setting. The student applies communication skills, personal and interpersonal skills, critical thinking skills, research skills and examines academic and career skills. In addition, the student explores the five themes of geography – location, human-environment interaction, movement, and region, which provide the student geographer an organized understanding of the world in which he/she lives.

**REEL HISTORY I**

Length of Course: One Year Credit/ Elective 0.50 per Semester/Social Studies

Grade Level(s): 10 – 12

**SOCIAL STUDIES ELECTIVE CREDIT**

**COURSE DESCRIPTION:** Reel History I is a comparative study between film and United States history. Exploration of fact and fiction is made through the use of various film genres in an attempt to understand popular culture and its role in the history of the United States. The student discovers how truths and misconceptions have impacted popular culture. Critical thinking skills are used in identification and evaluation of course material. Cause and effect and interpretations of various political and social messages as well as comparisons of different media are measured. Formulation of questions and the use of primary and secondary material are used to contrive well thought conclusions regarding subject material. The student recognizes the relationships between Social Studies and global changes, applying a base of Social Studies knowledge to recognize allusions to important places, persons, and events in media. The student examines questions as to why and how things have changed, using this information to predict what may happen in the future. Areas of study include, but are not restricted to, historical relevance, major film players, analysis and interpretation, expression of ideas, appreciation of film as an art form, and media literacy.

## **FINE ARTS / VISUAL ARTS**

### **DRUM & BUGLE CORP I, II, III, IV (GENERAL BAND)**

Length of Course: One Year Credit/ .50 per Semester/Fine Arts

Grade Level(s): 9 – 12

#### **FINE ARTS ELECTIVE GRADUATION CREDIT**

**COURSE DESCRIPTION:** This is a performance music course aimed at providing instrumental music students with opportunities to perform in a group setting. Students will study music from a variety of contemporary and traditional genres. Students will learn to play as a group, learn performance techniques and improve on their skills with their individual instruments. Music throughout the year is arranged to suit the bands' needs and is progressively more demanding.

### **COMPUTER GRAPHICS I**

Length of Course: One Year Credit: .5 per semester credit

**MEETS GRADUATION REQUIREMENT FOR PRACTICAL ARTS/ ELECTIVE CREDIT**

**GRADE LEVEL(s): 9-12**

Computer Graphics I offers the student a new medium with which to create art. The student learns the basics of visual design elements and principles, learns to use the computer as a visual design medium. Develops skill, confidence, and sensitivity in applying knowledge of art media and techniques to the production of art work. The student receives training in an industry standard bitmap graphics program (e.g., Adobe Photo Shop) in addition to a vector-based (e.g., Illustrator) graphics program. The production of computer art is applied to various other content areas and acquired skills are related to careers in art and other fields that now require computer graphics capabilities. Areas of study are visual design, conventions and history, technical literacy, visual communication, career awareness, and preparation of work for public display.

### **COMPUTER GRAPHICS II**

Length of Course: One Year Credit: 1.0 Practical Arts or Elective Credit

**MEETS GRADUATION REQUIREMENT FOR PRACTICAL ARTS/ ELECTIVE CREDIT**

Grade Level(s): 9-12

**COURSE DESCRIPTION:** Computer Graphics II offers the student an opportunity to explore computer graphics applications with a bent toward mastery of advanced technical skills and concepts. The student continues to apply the basics of visual design elements and principles, to use the computer as a visual design medium, and to enhance his/her skill, confidence, and sensitivity in applying advanced knowledge of art media and techniques to the creation of graphic products. He/She receives training in an industry standard bitmap graphics program (e.g., Adobe Photo Shop) in addition to a vector-based (e.g., Illustrator) graphics program. Advanced skills are learned through a variety of applications. Areas of study are visual design, conventions and history, technical literacy, visual communication, career awareness, and preparation of work for public display.

**COMPUTER GRAPHICS III**

Length of Course: One Year Credit: 1.0 Practical Arts or Elective Credit

**MEETS GRADUATION REQUIREMENT FOR PRACTICAL ARTS/ ELECTIVE CREDIT**

Grade Level(s): 9-12

**COURSE DESCRIPTION:** Computer Graphics III offers the student an opportunity to further study computer graphics applications with emphasis on mastery of advanced technical skills and concepts. The student continues to apply visual design elements and principles, to use the computer as a visual design medium, and to gain proficiency, confidence, and sensitivity in applying advanced knowledge of art media and techniques to the creation of graphic products. Advanced skills are learned through a variety of applications. Areas of study are visual design, conventions and history, technical literacy, visual communication, career awareness, and preparation of work for public display. Emphasis is placed on creating an individualized body of work which represents a personal exploration of view points.

**PHYSICAL EDUCATION****FOUNDATIONS OF PHYSICAL EDUCATION I**

Length of Course: One Year Credit/.5per Semester/Physical Education

**MEETS PE GRADUATION REQUIREMENT**

Grade Level(s): 9 – 10

**COURSE DESCRIPTION:** This course is a requirement for graduation and is a prerequisite for all elective physical education courses. The course focuses on physical education with an emphasis on human movement, physical activities, and physical fitness that contribute to a lifetime commitment to activity and fitness. Literacy strategies are integrated throughout the course.

**AEROBICS & BODY CONDITIONING I**

Length of Course: One Year Credit/ 50 per Semester

**ELECTIVE GRADUATION CREDIT**

Grade Level(s): 10 – 12

**COURSE DESCRIPTION:** Aerobics I is an introductory course designed to develop an awareness of the effects and importance of physical fitness and daily exercise utilizing correct techniques required for a safe and effective workout (including appropriate attire). The course focuses on participation in a variety of high and low impact activities (e.g., step, cardio-boxing, water aerobics, body conditioning).

**AEROBICS & BODY CONDITIONING II**

Length of Course: One Year Credit/.50 per Semester

**ELECTIVE GRADUATION CREDIT**

Grade Level(s): 10 – 12

**COURSE DESCRIPTION:** In Aerobics II, the student participates in workouts that have increased intensity and difficulty using the skills and knowledge acquired in Aerobics I for a safe and effective workout (including appropriate attire).

**AEROBICS & BODY CONDITIONING III**

Length of Course: One Year Credit/.50 per Semester

**ELECTIVE GRADUATION CREDIT**

Grade Level(s): 10 – 12

**COURSE DESCRIPTION:** In Aerobics III the student applies the skills and knowledge acquired in Aerobics II to further enhance cardiovascular fitness and strive toward the goal of making exercise a positive life-long habit. Additional activities may be introduced to expose and/or prepare the student for possible group fitness instructor certification.

**ATHLETICS I**

Length of Course: One Year Credit/.50 per Semester

**ELECTIVE GRADUATION CREDIT**

Grade Level(s): 9-12

**COURSE DESCRIPTION:** Enrollment in this course is limited to the student athlete who is eligible to participate in a school-sponsored athletic program. The student is required to participate in competition. The student may be expected to purchase personal equipment or supplies. A physical exam and a signed contract agreeing to comply with all requirements of the District and the New Mexico Activities Association for participation in the sport or activity are required the first day of class. Interscholastic Athletics I is designed for the student athlete who participates in a school-sponsored team sport or activity. The student explores the fundamental concepts and skills related to a specific sport or activity and gains introductory knowledge of the rules, safety issues, proper techniques in performing special skills, and building personal strength, endurance, and flexibility specific to the sport or activity.

**ATHLETICS II**

Length/Credit: One Year for 1.0 Elective Credit

**ELECTIVE GRADUATION CREDIT**

Grade Level(s): 10-12

**COURSE DESCRIPTION:** Enrollment in this course is limited to the student athlete who is eligible to participate in a school-sponsored athletic program. The student is required to participate in competition. The student may be expected to purchase personal equipment or supplies. A physical exam and a signed contract agreeing to comply with all requirements of the District and the New Mexico Activities Association for participation in the sport or activity are required the first day of class. Interscholastic Athletics II is designed for the student athlete who participates in a school-sponsored team sport or activity. The student acquires the fundamental concepts and develops an improved performance level of skill related to a specific sport or activity. He/She demonstrates the knowledge of the rules, injury prevention through safety measures, and the development of consistent levels of performance through personal physical fitness. The student examines leadership roles for team motivation and success.

**ATHLETICS III**

Length/Credit: One Year for 1.0 Elective Credit

**ELECTIVE GRADUATION CREDIT**

Grade Level(s): 10-12

**COURSE DESCRIPTION:** Enrollment in this course is limited to the student athlete who is eligible to participate in a school-sponsored athletic program. The student is required to participate in competition. The student may be expected to purchase personal equipment or supplies. A physical exam and a signed contract agreeing to comply with all requirements of the District and the New Mexico Activities Association for participation in the sport or activity are required the first day of class. Interscholastic Athletics II is designed for the student athlete who participates in a school-sponsored team sport or activity. The student acquires the fundamental concepts and develops an improved performance level of skill related to a specific sport or activity. He/She demonstrates the knowledge of the rules, injury prevention through safety measures, and the development of consistent levels of performance through personal physical fitness. The student examines leadership roles for team motivation and success.

**ATHLETICS IV**

Length/Credit: One Year for 1.0 Elective Credit

**ELECTIVE GRADUATION CREDIT**

Grade Level(s): 10-12

**COURSE DESCRIPTION:** Enrollment in this course is limited to the student athlete who is eligible to participate in a school-sponsored athletic program. The student is required to participate in competition. The student may be expected to purchase personal equipment or supplies. A physical exam and a signed contract agreeing to comply with all requirements of the District and the New Mexico Activities Association for participation in the sport or activity are required the first day of class. Interscholastic Athletics IV is designed for the student athlete who participates in a school-sponsored team sport or activity. The student demonstrates a mastery level of performance skills and knowledge of concepts related to a specific activity. The student exhibits his/her personal application of the complexity and integration of the rules, strategies, and techniques necessary for successful team performance and personal physical fitness by demonstrating leadership within the team through effective communication, ability to motivate team members, and effective delegation of responsibility.

**TEAM & INDIVIDUAL SPORTS I**

Length of Course: One year credit: 0.5 credit/semester

**ELECTIVE GRADUATION CREDIT**

**COURSE DESCRIPTION:** This course provides the concepts and skills from a wide variety of team and individual sports. Examples of team sports are volleyball, basketball, and softball.

**WEIGHT TRAINING I**

Length of Course: One Year Credit/.50 per Semester

**ELECTIVE GRADUATION CREDIT**

Grade Level(s): 10 – 12

**COURSE DESCRIPTION:** Lifting belts are recommended. A fee may be charged. Weight Training I is a basic weight training course. The student investigates strength training principles, routines, fundamental techniques and methods of lifting for the development of major muscle groups, and nutrition and diet information for health and fitness. Safety techniques and proper spotting are emphasized.

**WEIGHT TRAINING II**

Length of Course: One Year Credit/.50 per Semester

**ELECTIVE GRADUATION CREDIT**

Grade Level(s): 11 – 12

**COURSE DESCRIPTION:** Lifting belts are recommended. A lab fee may be charged. Weight Training II is an advanced weight-training course. The student investigates physical fitness, health maintenance, power lifting, and Olympic-style lifting techniques and methods and implements safety techniques and proper spotting in all activities and practices. Emphasis is placed on steroid and other supplement use and abuse.

**WEIGHT TRAINING III**

Length of Course: One Year Credit/ .50 per Semester

**ELECTIVE GRADUATION CREDIT**

Grade Level(s): 12

**COURSE DESCRIPTION:** Lifting belts are recommended. A lab fee may be charged. Weight Training III is designed for the student who is earnest about strength development. The student continues to investigate physical fitness, health maintenance, power lifting, and Olympic-style lifting techniques and methods and implements safety techniques and proper spotting in all activities and practices. Emphasis is placed on steroid and other supplement use and abuse. In addition, the student develops an individualized weight-lifting program and demonstrates and participates in fitness testing techniques.

**MODERN LANGUAGES****SPANISH I**

Length of Course: One Year Credit/ .50 per Semester/Modern Languages

**ELECTIVE GRADUATION CREDIT/ 1.0 CREDIT MAY MEET COMMUNICATION SKILLS GRADUATION REQUIREMENT**

Grade Level(s): 9 – 12

**COURSE DESCRIPTION:** In Spanish 1, the student will learn basic vocabulary related to his/her immediate environment, differences between Spanish and English pronunciation, and some differences between U.S. and Hispanic culture. In order to facilitate the acquisition of a foreign language, the student will review fundamental grammar concepts, including parts of speech, singular/plural, verb conjugation and noun/adjective agreement. The student will learn how to conjugate regular and irregular verbs in the present tense in Spanish, and how to use the present progressive and the periphrastic future. The teacher will speak Spanish often and the student is expected to speak Spanish whenever possible. Daily classroom activities will give the student practice with the four communication skills: listening, speaking, reading and writing. Throughout the year, the student should come to realize the positive effects that familiarity with a foreign language could have in his/her personal and professional life.

**SPANISH II**

Length of Course: One Year Credit/ .50 per Semester/Modern Languages

**ELECTIVE GRADUATION CREDIT/ 1.0 CREDIT MAY MEET COMMUNICATION SKILLS GRADUATION REQUIREMENT**

Grade Level(s): 9 – 12

**COURSE DESCRIPTION:** In Spanish, students will review Spanish 1 vocabulary and structure and continue to develop an awareness and sensitivity to Hispanic culture. The student will learn vocabulary related to everyday activities, such as travel, food, shopping, technology and hobbies. The student will learn additional grammar concepts and their applications in Spanish: pronouns, direct and indirect objects, comparatives and superlatives. The student will learn two of the past tenses (prefect and imperfect) and the future tense. The teacher will speak mostly in Spanish and the student is expected to speak Spanish as much as possible. Daily classroom activities will give the student practice with the four communication skills: listening, speaking , reading and writing.

**SPANISH III**

Length of Course: One Year Credit/.50 per Semester/Modern Languages

**ELECTIVE GRADUATION CREDIT/ 1.0 CREDIT MAY MEET COMMUNICATION SKILLS GRADUATION REQUIREMENT**

Grade Level(s): 9 – 12

**COURSE DESCRIPTION:** In Spanish, the student will review Spanish 1 and 2 vocabulary and structure and continue to develop an awareness and sensitivity to Hispanic culture. The student will learn additional vocabulary related to topics of interest and the remainder of the verb tenses, modes and voices: present and past subjunctive, conditional, imperative, passive, and the perfect tenses. The student will learn demonstrative pronouns and adjectives, and specific uses of *por/para*. The teacher will speak almost exclusively in Spanish. The student is expected to speak mostly in Spanish and will prepare an oral presentation on a cultural topic each quarter. Daily classroom activities will give the student practice with the four communication skills: listening, speaking, reading, and writing.

**SPANISH IV**

Length of Course: One Year Credit/ .50 per Semester/Modern Languages

**ELECTIVE GRADUATION CREDIT/ 1.0 CREDIT MAY MEET COMMUNICATION SKILLS GRADUATION REQUIREMENT**

Grade Level(s): 9 – 12

**COURSE DESCRIPTION:** In Spanish, the student is expected to have a well-developed vocabulary and a solid understanding of Spanish language structure. The student will read 20th century Hispanic literature and Hispanic newspapers to practice his/her reading skills, promote cultural awareness, increase vocabulary in various disciplines, and expand his/her understanding of contemporary Spanish language usage. The student will listen to authentic tapes, videos and CDs to practice listening skills and increase cultural sensitivity. She/he will write 250-word compositions in Spanish on a weekly basis to practice writing skills. The teacher will speak only Spanish and the student is also expected to speak only Spanish, although there may be many errors. The student will also prepare and deliver oral presentations in Spanish to practice speaking skills. The goal is to increase the student's comfort level and confidence in Spanish so that s/he would have minimal difficulty living, studying or working in a Spanish speaking country.

## **CAREER AND TECHNICAL CAREER EDUCATION**

### **U. S. NAVAL SCIENCE I**

Length of Course: One Year Credit/ Elective 0.5 per Semester: Practical Arts

#### **MEETS PRACTICAL ARTS GRADUATION REQUIREMENT/ELECTIVE CREDIT**

Grade Level(s): 9 – 12

**COURSE DESCRIPTION:** U.S. Naval Science I introduces the student to the meaning of citizenship, the elements of leadership, and the value of scholarship in attaining life goals. The student gains a sound appreciation for the heritage and traditions of America with recognition that the historically significant role of sea power is important in America's future. The course content includes an introduction to the NJROTC program, naval mission and organization, maritime history, power and challenges, American democracy, and health education.

### **U. S. NAVAL SCIENCE II**

Length of Course: One Year Credit/ Elective 0.5 per Semester: Practical Arts

#### **MEETS PRACTICAL ARTS GRADUATION REQUIREMENT/ELECTIVE CREDIT**

Grade Level(s): 10 – 12

**COURSE DESCRIPTION:** U.S. Naval Science II builds on the general introduction provided in Naval Science I to further develop the traits of citizenship and leadership in cadets. The student acquires knowledge of technical areas of naval science and develops a deeper awareness of the vital importance of the world oceans to the continued well being of the United States. The course content includes ongoing instruction in leadership theory, naval orientation and career planning, citizenship in the U.S. and other countries, naval history, naval ships and weapons, navigation fundamentals and rules of the road, small boat seamanship, meteorology and weather, and survival training and orienteering.

### **U. S. NAVAL SCIENCE III**

Length of Course: One Years Credit/PRI Area: Elective 0.250 per Semester: Practical Arts

#### **MEETS PRACTICAL ARTS GRADUATION REQUIREMENT/ELECTIVE CREDIT**

Grade Level(s): 10 – 12

**COURSE DESCRIPTION:** U.S. Naval Science III focuses on the operative principles of military leadership, the concept and significance of teamwork, the intrinsic value of good order and discipline in the accomplishment of objectives, the fundamentals of American democracy, and understanding of naval academic subjects. The course content includes ongoing instruction in leadership, discipline, military justice, astronomy, inter-national law and the sea, national strategy, sea power and naval operations, naval history, naval intelligence and national security, maneuvering board, challenges of future navy research, and electricity and naval electronics

### **U. S. NAVAL SCIENCE IV**

Length of Course: One year Credit/PRI Area: Elective 0.5 per Semester: Practical Arts

#### **MEETS PRACTICAL ARTS GRADUATION REQUIREMENT/ELECTIVE CREDIT**

Grade Level(s): 10 – 12

**COURSE DESCRIPTION:** U.S. Naval Science IV focuses solely on practical leadership. The student gains understanding in leadership and improves his/her leadership skills by taking on positions of leadership (under supervision), and analyzes the reasons for his/her varying degrees of success throughout the year. The course content includes instruction in theoretical and applied aspects of leadership and training and evaluation of performance. The student acquires the techniques used to create motivation, to develop goals and activities for a work group, and to acquire the proper ways to set a leadership example

**U. S. NAVAL SCIENCE SEA BEE SURVIVAL I**

Length of Course: One Year Credit/Elective 0.50 per Semester: Practical Arts

**MEETS PRACTICAL ARTS GRADUATION REQUIREMENT/ELECTIVE CREDIT**

Grade Level(s): 11 – 12

**COURSE DESCRIPTION:** U.S. Naval Sea Bee Survival I focuses on two components: survival and leadership education. In the survival component the student examines and demonstrates theory of survival, navigation, and orienteering skills. In the leadership education component the student examines and applies leadership qualities, traits, principles, and practices. Literacy skills are integrated throughout the course.

**U. S. NAVAL SCIENCE SEA BEE SURVIVAL II**

Length of Course: One Year Credit/ Elective 0.50 per Semester: Practical Arts or Elective Credit

**MEETS PRACTICAL ARTS GRADUATION REQUIREMENT/ELECTIVE CREDIT**

Grade Level(s): 11 – 12

**COURSE DESCRIPTION:** U.S. Naval SeaBee Survival II continues to focus on the two components introduced in SeaBee Survival I. In the survival component the student masters the skills of wilderness survival in the areas of emergency medicine, search management, and rescue operations. In the leadership component, the student explores and demonstrates his/her personality and behavior in a leadership role. Literacy skills are integrated throughout the course.

**MILITARY SKILLS I**

Length of Course: One Year Credit/Elective 0.50 per Semester: Practical Arts or Elective Credit

**MEETS PRACTICAL ARTS GRADUATION REQUIREMENT/ELECTIVE CREDIT**

Grade Level(s): 9 – 12

**COURSE DESCRIPTION:** U.S. Naval Sea Military Skills I introduces the cadet to fundamental skills necessary to compete against other cadets of the same or different services in competition and/or public performances throughout the year. The student gains communication and leadership skills. Areas of emphasis include but are not limited to, marksmanship, drill and ceremony, color guard, physical fitness and career exploration.

**MILITARY SKILLS II**

Length of Course: One Year Credit/ Elective 0.50 per semester: Practical Arts or Elective Credit

**MEETS PRACTICAL ARTS GRADUATION REQUIREMENT/ELECTIVE CREDIT**

Grade Level(s) 9-12

**COURSE DESCRIPTION:** Military Skills II builds on the fundamental skills necessary to compete against other cadets of the same or different services in competitions (e.g., drill, air rifle, color guard, physical fitness) and/or public performances throughout the year. The cadet enhances his/her communication and leadership skills by filling entry-level leadership positions. Areas of emphasis include, but are not limited to, marksmanship, drill and ceremony, color guard, physical fitness, and career exploration.

**MILITARY SKILLS III**

Length of Course: One Year Credit/ Elective 0.50 per semester: Practical Arts or Elective Credit

**MEETS PRACTICAL ARTS GRADUATION REQUIREMENT/ELECTIVE CREDIT**

Grade Level(s): 9 – 12

**COURSE DESCRIPTION:** In Military Skills III the cadet acquires and applies higher level skills necessary to compete against other cadets of the same or different services in competitions (e.g., drill, air rifle, color guard, physical fitness) and/or public performances throughout the year. The cadet employs leadership skills and techniques by assisting, instructing, and supervising Level I and II cadets. Areas of emphasis include, but are not limited to, marksmanship, drill and ceremony, color guard, physical fitness, and career exploration.

**COLLEGE/ SERVICE ACADEMY PREP I**

Length of Course: One Year Credit: 1.0 Elective Credits

**ELECTIVE CREDIT**

GRADE LEVEL(S): 9-12

**COURSE DESCRIPTION:** Academy & College Prep I is to assist cadets in their preparation for selection of a service academy & their selection to a service academy. This course provides individualized guidance to improve the student's marketability and increase his/her capability and probability of selection to U.S. Service Academies and/or college ROTC programs. This individualized guidance includes a plan for standardized testing/retesting (e.g., ACT, SAT), enhancement of a candidate's physical aptitude abilities, and classroom experiences that hones the candidate's speaking prowess and interview techniques. The student is encouraged to participate in resume' enhancing activities, (e.g., sports, clubs, community service). Leadership skills are taken to the next level (e.g., takes charge). Other areas of study may include, but not be limited to, academic content (e.g. social studies, math, science), fundamental military skills, and career exploration. Literacy strategies are integrated throughout the curriculum.

**COLLEGE/SERVICE ACADEMY PREP II**

Length of Course: One Year Credit: 1.0 Elective Credits

**ELECTIVE CREDIT**

GRADE LEVEL(S): 9-12

**COURSE DESCRIPTION:** Academy & College Prep II is the "action and completion phase" of the nomination/selection process. This course provides individualized guidance to improve the student's marketability and increase his/her capability and probability of selection to U.S. Service Academies and/or college ROTC programs. This individualized guidance includes a plan for standardized testing/retesting (e.g., ACT, SAT), enhancement of a candidate's physical aptitude abilities, and classroom experiences that hones the candidate's speaking prowess and interview techniques. The student is encouraged to participate in resume' enhancing activities, (e.g., sports, clubs, community service). Leadership skills are taken to the next level (e.g., takes charge). Other areas of study may include, but not be limited to, academic content (e.g. social studies, math, science), fundamental military skills, and career exploration. Literacy strategies are integrated throughout the curriculum. The student must comply with Navy grooming standards and uniform requirements. Failure to do so may be cause for failure/disenrollment. The student must be capable of participating in a program of military skills and strenuous physical fitness. See instructor for details.

**STAFF ASSISTANT I**

Length of Course: One Year Credit: 1.0 Practical Arts or Elective Credit

ELECTIVE CREDIT

GRADE LEVEL(S): 9-12

**COURSE DESCRIPTION:** *The student must be capable of participating in a program of physical fitness and military drill within personal limitations. The student may be concurrently enrolled in a second course (e.g., Military Skills, LEVEL I, II, III, IV). It is highly recommended that he/she not take more than two USNS courses within a school year.* Staff Assistant I is a co-ed course designed to give the student training in staff actions and intra-staff responsibilities, to improve the environment in which teaching and learning occur, to improve command and staff achievement, and to develop the ability to use basic techniques in working with others in an administrative environment. The student assumes responsibility for day-to-day routines (e.g., takes roll, leads the Pledge, announcements), determines events for the school year, plans and presents those plans, carries out the plans, and evaluates the outcomes of those events. The student integrates workplace skills and behaviors and literacy strategies throughout the curriculum.

**STAFF ASSISTANT II**

Length of Course: One Year Credit: 1.0 Practical Arts or Elective Credit

ELECTIVE CREDIT

GRADE LEVEL(S) 9-12

*The student must be capable of participating in a program of physical fitness and military drill within personal limitations. The student may be concurrently enrolled in a second USNS course (e.g., Military Skills, LEVEL I, II, III, IV). It is highly recommended that he/she not take more than two USNS courses within a school year.* In Staff Assistant II, the student continues his/her training in staff actions and intra-staff responsibilities, to improve the environment in which teaching and learning occur, to improve command and staff achievement, and to demonstrate basic techniques in working with others in an administrative environment. The student assumes more leadership in determining events for the school year, planning and presenting those plans, carrying out the plans, and evaluating the outcomes of those events. He/She becomes more involved/responsible in class instruction, cadet inspection, and preparation of reports. The student integrates workplace skills and behaviors and literacy strategies throughout the curriculum.

## **OTHER ELECTIVES**

### **DEFENSIVE DRIVING—**

#### **ONLINE COURSE OFFERED THROUGH IDEAL NM—MEETS ONLINE CLASS GRADUATION REQUIREMENT**

Length of Course: .50 per Semester/Social Studies—THIS IS A ONE SEMESTER COURSE

ONLINE ELECTIVE CREDIT

Grades: 9 - 12

*Defensive Driving* is designed for students who have not yet applied for a New Mexico driver's license. The course covers the classroom portion of driver training; behind-the-wheel instruction is not included. Topics will include characteristics of good drivers, basic maneuvers and defensive driving tactics, traffic laws, accident avoidance, and effects of alcohol and other drugs on driving performance. Successful completion of the course will qualify the student for a certificate required by the state for all first-time applicants for a New Mexico driver's license.

### **MAKING MONEY WORK/COLLEGE SUCCESS PREP**

#### **CNM ONLINE ONE SEMESTER CLASSES FOR DUAL CREDIT**

Length of Course: .5 per semester/elective credit + CNM college credit

#### **ELECTIVE CREDIT/DUAL CREDIT—MEETS DUAL CREDIT/ONLINE CLASS GRADUATION REQUIREMENT**

#### **GRADES 10-12**

These two one semester classes are offered on the BMA campus during the school day through as an online class offered through the BMA computer lab. Each class is a one semester course which offers both high school and college credit. The College Success Prep class requires a pre-requisite of 69 on the Accu-Placer placement test and is offered during the spring semester to back the Making Money work course that is offered during the fall semester. Making Money Work will teach you how to handle your finances and help you to determine your direction for your financial future. This financial literacy course is designed to help students understand how to manage their finances on multiple levels to help them prepare for their future.

College Success Prep course is a one semester course that helps students to get organized, manage their time, set and meet goals, and study effectively. Students also explore career options, develop new learning strategies and self-motivation, and find new ways to approach tests and assignments in other disciplines.

### **STUDENT/OFFICE AIDE**

Length of Course: One Year Credit: .50 per semester/elective

Grade Level(s) 9-12

#### **Course Description:**

Student Aide provides the student with the opportunity to work in one of several campus offices or with a teacher in the classroom. The student assists the appropriate professionals with their duties. The student develops good communication and interpersonal skills and demonstrates workplace skills. Daily attendance is required. A final exam is mandatory.