



MENAU
SCHOOL

UPPER SCHOOL
CURRICULUM GUIDE

2011-2012



GRADUATION REQUIREMENTS

The State Board of Education, Independent Schools of the Southwest and North Central Association of Colleges and Secondary Schools accredit Menaul School. Graduation requirements meet or exceed those of these agencies. The special focus of the school prescribes additional requirements.

28 Credits are Required for Graduation

GPA is calculated by dividing the total number of grade points earned by the number of courses taken per a two mod period.

Subject	Notes	Required Credits
English	Four mods per year required.	4
Mathematics	Students are required to take four years of math beginning with Algebra I.	4
Lab Science	Students must take Scientific Methods, Scientific Research, Biology I and Chemistry. They may choose Environmental Science, Biology II or Physics for the third science credit. Electives also available.	3.5
Social Studies	Students must take one full credit of World Studies and US History, as well as one half credit of NM History, Government and Economics.	3.5
Physical Education	Four total mods required.	1
Visual and Performing Arts	Two mods per year required.	2
Modern Languages	Credits must be taken in consecutive years.	3
Religious Studies	Two mods per year required.	2
Electives	A variety of elective classes are available.	3.25
Capstone Project	Student work on a project of their choice throughout upper school, ending with a presentation at the end of Senior year.	0.75
Technology	Four total mods required.	1

UPPER SCHOOL CURRICULUM

All students must enroll in a total of twenty-eight (28) classes divided into seven (7) mods each year. Four (4) classes in a subject, such as English, are equal to two (2) semesters with one (1) class equivalent to one (1) nine (9) week or quarter period. Listed below are the suggested college prep courses for each grade level in upper school at Menaul School. Factors such as placement exams and teacher recommendations are considered in planning each student's course schedule. All students are required to complete a Capstone Project in order to graduate.

Freshmen

English 9
Biology/Scientific Method
Spanish I
Math
NM History
Computers
Physical Education
Fine Arts
Religion
Major/Electives

Sophomores

English 10
World History
Chemistry
Spanish II
Math
Religion
Fine Arts
Computers
Physical Education
Major/Electives

Grading Scale
A = 90-100%
B = 80-89%
C = 79-79%
D = 60-69%
F = below 60%

Juniors

English 11
US History
Science Research

Adv. Biology/Environmental Science/Physics
Spanish III
Math
Religion
Computers
Major/Electives
Capstone

Seniors

English 12
Math
Government
Economics
Religion
Fine Arts
Capstone Project
Computers
Major/Electives

COUNSELING

The Counseling Department and Director of Academics are always available to assist students in the perusal of credit requirements and planning their course of studies and do so on a regular basis. It is the ultimate responsibility of the students and parents/guardians, however, to insure that all graduation requirements have been met.

CONCURRENT ENROLLMENT

Qualified Junior and Senior students may participate in a variety of special academic programs, including Independent Study, the Concurrent Enrollment Program at the University of New Mexico or CNM, and the various offerings of the Albuquerque Public School Career Enrichment Center. Students wishing to apply for these programs must present a written proposal requesting permission as well as the completed appropriate forms from the institution the student plans to attend to the Director of Academics. Forms for the proposal may be obtained from the Counselor's office. Students enrolled in these programs must provide their own transportation.

Off-campus credit is acceptable for graduation only with the permission of the Director of Academics. Plans to receive credit from a study regimen outside the established curriculum must be reviewed by the Director of Academics before approval can be given. Students must submit their request for alternative credit to the Director of Academics before the planned study is undertaken.

CREDIT AND CLASS LOADS

Students must be enrolled in four (4) classes every mod. Seniors in good academic standing who have earned enough credits to graduate may opt for certain alternatives, see Concurrent Enrollment for more information. Students taking summer school courses must obtain permission from the Director of Academics to insure courses taken will meet Menaul School requirements. Student who successfully complete Algebra I and Spanish I in 8th grade will receive upper school credit. The grade that is earned from these classes, if taken in 8th grade, is NOT calculated into the student's cumulative grade point average. Only credit will be reflected on their transcripts.

REGISTRATION

Students will register for classes in the spring of the prior year. The Director of Academics will make every effort to accommodate students' elective requests without compromising core discipline requirements. Schedule changes will be made only in the event of the improper placement of a student or for the purpose of balancing classes. This can be done in the first two days of the mod with the Director of Academics.

GRADE POINT AVERAGE (GPA)

The grade point average (GPA) for each student is calculated by using the following grade point system: Grade A - 4; B - 3; C - 2; D - 1; F - 0. GPA is calculated by dividing the total number of grade points earned by the number of courses taken per mod. Note: Menaul School neither recognizes nor grants E grades.

HONOR ROLL

Students who earn a GPA of 3.25 to 3.74 in mods 2, 4, 6 and 7 are placed on the Honor Roll. Students with a GPA of 3.75 or higher are placed on the President's Honor Roll for that period.

GOOD ACADEMIC STANDING & ELIGIBILITY

Any high school sports or activity participant who falls below a 2.0 GPA or has received an F during the grading period will be ineligible for the following two modules. Middle School sports and activity participant eligibility will be based on the nine – week grading period. Any middle school sports or activity participant who falls below a 2.0 GPA or has received an F during the nine – week grading period will be ineligible for the following nine – week grading period.

DETERMINATION OF VALEDICTORIAN AND SALUTATORIAN

The student(s) with the highest GPA over seven modules of upper school (grades 9 - 12) is (are) named the Valedictorian(s). The student with the second highest GPA over seven modules of upper school (grades 9 – 12) is named Salutatorian. When multiple valedictorians are named, there are no salutatorians. These students must have attended their last four modules at Menaul School to be considered for this honor. The top ranking 10% of each class are identified as "Honor Graduates."

ASSISTANCE

From time to time students may need extra help on subject matter not fully understood. Teachers are available after school and, upon arrangement, before school and during advisory.

TESTING AND EVALUATION

The mandatory test given is the California Test of Basic Skills. It is given to all juniors in the spring of the year. Other testing can be found under the Testing and Preparation link in the left column under Academics.

UPPER SCHOOL - ENGLISH

STATEMENT OF PHILOSOPHY

The English program, in preparing students to succeed in college and beyond, is planned around a core of literary works. Faculty assumes that reading and writing are connected and that skill in one area feeds the other. Many other facets of the communicative arts, such as speaking and discussion skills, listening for detail, study and organizational skills, research, editing, and writing for a variety of purposes, are included. We emphasize critical thinking skills and encourage students to make connections to other fields of knowledge. Students delve into universal themes and gain new insights into their own life experiences through both classic and modern literary selections.

TOTAL CREDITS NEEDED: 4.75

English 09	1 credit: 4 mods		
English 10	1 credit: 4 mods		
English 11	1 credit: 4 mods	Capstone: .25 credit 1 mod	
English 12	1 credit: 4 mods	Capstone: .50 credit 1 mod	

ENGLISH 12

FROM GILGAMESH TO NAPOLEON DYNAMITE 1 Mod

Using Gilgamesh, Oedipus the King, Beowulf, and Grendel as the basis of our study, we will explore the development of the hero in both ancient and modern literature and film. We will also consider archetypes and the collective unconscious as these concepts appear in the literature. Expository writing with emphasis on literary analysis, ACT review, and vocabulary development will also be a part of the course.

HELL 1 Mod

Dante's The Inferno, as well as artwork based on Virgil and Dante's journey through hell, will set the stage for our study of what writers, through the ages, have portrayed as the torment reserved for sinners. The sources of our current notions of good and evil will follow our study of The Inferno. Students will write a term paper which will include material from various works of literary criticism, as well as references to all of the literature we read during the mod.

LOVE AND LUST 1 Mod

The age-old issue of male/female relationships will provide our focus. The major works we will read include Hamlet, Les Miserables, and Like Water for Chocolate. Narration, creative writing, and vocabulary development will also be part of the course.

CAPSTONE 2 Mods

Research in Action - A - Students will continue to research their Capstone project while they begin to apply their research in their chosen field.

Research in Action - B - Students will spend time in the field working on their Capstone project and applying the research they have studied.

HISPANIC LITERATURE AND CULTURE 1 Mod

The focus of this class will be literature written from various countries beginning with New Mexico's Rudolfo Anaya. We also will explore Hispanic culture via film, art, music and food. Students will write about what they read and will complete a major creative project that will be worked on throughout the mod.

CRITICS AND OBSERVERS OF SOCIETY 1 Mod

We will study the Middle Ages through Chaucer's eyes and simulate it via food, music, costuming and role-playing. Then we will consider the problems of the 20th and 21st Centuries by reading Brave New World and 1984. We will also develop skills in advanced forms of argumentation, as well as writing for the AP exam for students who wish to take it.

I DID IT MY WAY 1 Mod

The course will be organized as a seminar for Juniors and Seniors and will feature in-depth, student-centered discussion. The class will focus on literature and composition; however, the students will select the basic theme we will pursue from a group of choices presented before the class begins. We will all read a major work as well as short selections on the these we select, but students will be asked to choose some of the reading, as well. A creative project based on individually chosen reading will be required.

ENGLISH 11

IT'S A SIN 1 Mod

Using To Kill a Mockingbird and Black Boy, as well as a variety of short works as our frame of reference, we will explore some of the basic ethical questions each of us faces. Along with literary analysis, vocabulary development, and interpretive writing, we will develop skills in narrative and autobiographical writing.

ADOLESCENCE IN LITERATURE AND FILM 1 Mod

The Catcher in the Rye and A Clockwork Orange along with a variety of films will provide the framework for a consideration of adolescence - its pleasures and problems as well as the ways in which being an adolescent has changed from the 1950s to the present. We will develop vocabulary and expository writing skills in connection with our reading and discussions.

SOCIAL CRITICS AND OBSERVERS 1 Mod

We will read Fahrenheit 451 and The Crucible as well as a variety of short works including the lyrics of contemporary music in order to explore the problems of our society. We will develop vocabulary and argumentative writing skills in connection with our reading and discussions.

BLOOD, SWEAT, AND TEARS 1 Mod

The ACT, college application essays, English 101, and literary selections chosen by students - what do they have in common? We'll confront them all as we get a head start on getting into and staying in college.

CAPSTONE 1 Mod

Virtual Research - During this mod, students will have the opportunity to focus on their Capstone project. The class is not intended to take the place of time spent working on their project, but to allow research and writing about the aspects of the student's project.

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ENGLISH 10

WRITING IN STYLE 1 Mod

A continuation of "The Art of Writing Well," this mod strains students to understand and use selective diction and basic expository skills as a means to communicate with color and maturity. Expository patterns, grade-level vocabulary, multimedia forms, and functional grammar are additional features.

TIMELESS TALES 1 Mod

This mod studies the dynamic structure of the short story, the "literary photograph" of a moment of significance. Interpretive writing is a focused feature of the course.

POETIC REMINISCENCES AND REFLECTIONS 1 Mod

This class provides a study of the form and content of a variety of poems from a variety of cultures. The course studies poems that portray individual life perspectives - from the tragic to the triumphant. Journal writing, interpretive essays, and creative writing characterize the mod.

DRAMA: PASSION AND PRESENCE 1 Mod

Studying the unique features of dramatic writing and performance, this mod introduces Sophomores to the energy and vision of Greek, Shakespearean, and modern drama. Interpretive essays, panel discussions and critiques of live dramatic performances are course requirements.

ENGLISH 9

THE ART OF WRITING WELL 1 Mod

This mod instructs Freshmen in the artistry of writing meaningfully, clearly, and purposefully. Functional grammar, effective paragraph and essay design, grade-level vocabulary, basic punctuation, and skilled editing are specialized features of the program.

THE FANTASTIC JOURNEY 1 Mod

Using The Odyssey as a framework, this mod exposes students to basic mythological elements such as the hero, the dragon, the quest and the redemption. Interpretive writing, multi-cultural readings, and contemporary connections also characterize this mod.

THE SHAPE OF MEANING 1 Mod

This mod introduces the four primary genres - short story, poetry, drama and the novel - how form shapes a vision of life and language. The course also features instruction in basic literary terms, techniques and literary craft.

CHALLENGES AND CHOICES 1 Mod

Students study and write expository, narrative, descriptive, and researched essays that demonstrate and understanding of how authors deal with personal crises and ambiguity.

ENGLISH ELECTIVES (EACH WORTH .25 CREDIT)

SHAKESPEARE COMEDIES 1 Mod

The course offers students a glimpse into Shakespeare's versatile gift of presenting "the wisdom in foolery and the foolery in wisdom." Reading such flamboyant plays as A Midsummer Night's Dream and Much Ado About Nothing and the exuberant Twelfth Night, students will study the artistic use of humor to challenge the snob, to uplift the lowly, and to endear the ridiculous. Analytical essays, video presentations, staged performances and essay exams are academic features of the course.

TRANSCENDENTALISM: THE UPWARD STAIRCASE 1 Mod

Studying the works of Fuller, Emerson and Thoreau, students will "ascend the stairs" of personal integrity, positive perspective, and invigorating inspiration. Essay exams, analytical essays, class discussions, and journal writing are additional requirements of this course.

WRITING FOR ALL SEASONS 1 Mod

We encounter many "seasons of necessity" as we journey through lives filled with many requests, demands, and challenges. Often those challenges require written expression. Essentially a technical writing course, this mod aids students in writing a variety of prose forms from the simple memo and types of letters to the more elaborate essay and proposal. All writing is designed to fashion students into skilled communicators who are focused, informed and forthright.

SLAYING THE DRAGONS OF STANDARDIZED TESTING 1 Mod

Conquer fear and build confidence to earn the best score you can on the ACT and SAT and maximize your college options! Students will become familiar with the format and content of these tests and learn strategies to handle efficiently even the most challenging questions. Printed and online resources, practice tests, strategic coaching and personalized tutoring will equip and empower students to achieve their best.

CREATIVE WRITING/LITERARY MAGAZINE 1 Mod

The creative writing class will write for and prepare at least one edition of the Menaul Literary Magazine. It will be completely individualized in order to allow students to pursue their interest in the various types of writing. In order to help students build their skills, reading of articles from The Writer, selected reading of essays, poems, plays and short stories, revisions of all work submitted for a grade will be required. All students will be required to take responsibility for some aspect of the literary magazine.

CREATIVITY MAGAZINE 1 Mod

This class will maintain our on-line creativity magazine by editing submissions and then converting them to HTML/PDF format and publishing it on our web page.

POETRY AND SONG: MULTI-FACETED CREATIVE WRITING CLASS 1 Mod

In this class we will examine all the different roles that poetry plays in our lives - from formally-structured poems to more experimental work, from both formal and pop songs to commercial applications of poetry.

CREATIVE WRITING II: THINKING OUTSIDE THE BOX 1 Mod

This class goes beyond the nuts and bolts of English composition to examine a variety of writing formats devoted to fiction and drama, including short and long fiction, playwriting and screen writing and experimental fiction.

ESL I

ESL I is a beginner level course for students with some academic exposure to English language concepts but as yet little experience with their application. Emphasis will be placed on building basic listening, speaking, reading, and writing skills through immersion in their English language communicative environment. Students will be encouraged to become more independent in their English language learning process through design and use of class binders and systems for learning new vocabulary words. Communication of content will be lauded, even as errors in form are made.

ESL II

ESL II is an intermediate level course for students with some exposure to English language concepts as well as some previous experiences in their practical application. Advanced speaking, listening, reading, and writing skills will be developed in the context of analyzing and discussing naturalistic texts on topics of interest to students. ESL II students will be encouraged to become more independent in their English language learning process through independent note-taking, generating specific questions, designing and using an effective system for learning new vocabulary words, and engaging fully in conversations that stem from reading material content.

UPPER SCHOOL - MATHEMATICS

STATEMENT OF PHILOSOPHY

Menaul School is a college preparatory school and the goal of the Mathematics Department is to teach basic math skills that will prepare students for college and the real world. As the world changes, students need to know that math is important in designing rockets, airplanes, bridges and so much more! It also is important in everyday life such as calculating salary, measuring ingredients and determining how long something will take. The Menaul School Mathematics Department is committed to making sure every graduate is capable of performing at their very best. A variety of methods are used in the hope that all students will come to enjoy solving problems.

TOTAL CREDITS NEEDED: 4.00

<u>Algebra I</u>	<u>1 credit: Full Year</u>	<u>Trig/Pre-Calculus</u>	<u>1 credit: 4 mods</u>
<u>Geometry</u>	<u>1 credit: Full Year</u>	<u>Calculus</u>	<u>1 credit: 4 mods</u>
<u>Algebra II</u>	<u>1 credit: Full Year</u>		
<u>College Algebra</u>	<u>1 credit: 4 mods</u>		

All math courses listed in this handbook are to be taken sequentially and are listed in order by mod number. If going to college, we recommend that you plan to take College Algebra, Trigonometry and Pre-Calculus.

ALGEBRA I Full Year

This first year Algebra course starts with a review of signed numbers, rational numbers, the algebraic order of operations, graphing with coordinates and techniques for solving basic equations. Students are expected to acquire a solid foundation of graphing linear functions, including several forms of writing an equation of a line. Students will study procedures to simplify expressions containing exponents and techniques for factoring. This mod begins with a study of the graph of a quadratic equation, methods of solutions, simplifying rational expressions and solving radical equations. Selected geometric topics will be discussed.

GEOMETRY Full Year

This mod will begin with a review of Algebra I with emphasis on solving equations, equations of a line, solving simultaneous linear equations, factoring, and radical expressions/equations. This class provides the building blocks to a good understanding of Geometry. This class introduces students to parallel lines, polygons, and perimeter (P3) of geometric shapes. It also introduces students to the deductive nature of geometry. Topics covered include shapes in space, surface areas and similar shapes (S3). The following concepts will be covered in this class: chord and arcs; secants and tangents; inscribed angle and arcs; segments and angles; the Law of Sine and the Law of Cosine

ALGEBRA II Full Year

Students will interpret data and explore linear representations. Also, operations with numbers and functions as well as inverse and special functions will be investigated. Students will solve a system of equations by graphing, substitution, elimination and linear programming. Students will solve real world problems with matrix equations. Quadratic functions, exponential and logarithmic functions will be examined also. Polynomial functions and their graph will be studied as well as rational and radical functions. Conic sections and solving nonlinear systems will be emphasized.

COLLEGE ALGEBRA 4 mods

Mod 1: This college level course will focus on selected topics such as equations of lines, quadratic formula, factoring and graphing techniques.

Mod 2: This mod will include basic functions and their transformation, composition of functions and sketching graphs of rational functions. Review of some previous work will be important for future math courses.

Mod 3: Topics covered include exponential functions, the number e , logarithmic functions, exponential and logarithmic applications.

Mod 4: This mod emphasizes previous work to include trigonometric functions.

TRIGONOMETRY/PRE-CALCULUS 4 mods

Mod 1: Relation, Functions and Graphs: Topics covered will include linear relations and functions, systems of equations and inequalities, graphing, polynomial and rational functions.

Mod 2: Advanced Functions and Discrete Mathematics: Conics, exponential and logarithmic functions and sequences and series will be studied.

Mod 3: Trigonometric Functions and Identities: Trigonometric functions graphs and inverses of trigonometric functions and identities are covered in this mod.

Mod 4: Advanced Trigonometric Functions and Applications: This mod emphasizes previous work to include trigonometric functions.

CALCULUS 4 mods

Mod 1: Functions and Limits in Calculus: This course will review fundamental concepts that are necessary to the study of calculus and will introduce limits and their properties.

Mod 2: Differentiation: This course will introduce derivatives, develop the concepts of explicit and implicit differentiation and explore applications of the derivative.

Mod 3: Integration: This course will use the concept of the anti-derivative to introduce definite and integral and explore applications of the integral.

Mod 4: Transcendental Functions in Calculus: This mod will build on the concepts of differentiation and integration to explore exponential, logarithmic and trigonometric functions in calculus.

MATH ELECTIVES (EACH WORTH .25 CREDIT)**ALGEBRA I REFRESHER**

Mod 3 - This individualized mod is designed for students who struggled during the first grading period (mods 1 & 2) of Algebra I. Students will be given extra instruction, practice and evaluation on topics including solving equations and graphing linear functions. The intent is to help students become proficient in Algebra I concepts and improve problem solving skills, Students who feel they could use additional instruction on the topics covered during the first part of Algebra I are encouraged to take this course.

ALGEBRA I REFRESHER

Mod 5 - This individualized mod is designed for students who struggled during the second grading period (mods 3 & 4) of Algebra I. Students will be given extra instruction, practice and evaluation on topics including solving equations and graphing linear functions. The intent is to help students become proficient in Algebra I concepts and improve problem solving skills, Students who feel they could use additional instruction on the topics covered during the first part of Algebra I are encouraged to take this course.

UPPER SCHOOL - SCIENCE & TECHNOLOGY

STATEMENT OF PHILOSOPHY

Literacy in Science and Technology is a requirement for survival in today's world. To this end, students at Menaul School are introduced to physical, chemical, biological and environmental topics as well as technological and reasoning skills that are inherent in these subjects. Computers are increasingly used as a tool to gather and generate information, therefore, students should be comfortable in their use. The ability to analyze, to problem solve, to think and write logically is emphasized in the Science and Technology curriculum. Graduates are aware of current debates or ethical/moral dilemmas yielded by scientific and technological advancements and are familiar with historical contributions of scientists.

TOTAL CREDITS NEEDED: 3.50

<u>Scientific Methods</u>	<u>.25 credit: 1 mod</u>	<u>Environmental Science, Biology II or</u>	<u>1 credit: 4 mods</u>
<u>Biology I</u>	<u>1 credit: 4 mods</u>	<u>Physics</u>	
<u>Chemistry</u>	<u>1 credit: 4 mods</u>		
<u>Scientific Research</u>	<u>.25 credit: 1 mod</u>		

SCIENTIFIC METHODS 1 Mod

Students will be introduced to lab safety, scientific method and thinking. Use of lab equipment, measurements and their units. This class is prerequisite to ALL upper school science classes. This class is not required for students who have already completed one upper school science course at Menaul School.

BIOLOGY I 4 Mods

Mod 1: Molecules and Cells: What is your body made of? How does bacteria grow? Are viruses alive? Is there a cure for cancer? These are some of the questions we will be answering as you make cell models, research cancer and do labs. This mod will focus on organic molecules, organelles, photosynthesis, respiration and cell transport. This course is a prerequisite for Genetics.

Mod 2: Genetics: Have you ever wondered why you look different from your brother? Or what is the big deal with DNA? And why did your dog have eight black puppies and white one? Why were you born either a boy or a girl? Come and explore the new frontiers of this exciting field through computer activities, math and modeling. This mod will focus on mitosis, meiosis, Mendelian genetics and inheritance patterns, DNA structure and replication, transcription and translation. This class follows Molecules and Cells and precedes Evolution and Animals.

Mod 3: Evolution and Animals: This class will feature a general overview of the theory of evolution along with open debate on the issues surrounding intelligent design and evolution. Students will also study the characteristics and classification of animals. This class includes labs, research and a field trip. It follows Genetics and precedes Human Biology.

Mod 4: Human Biology: How does your body work? What do cigarettes do to your lungs? How do people lose weight? What's really in a Big Mac? We will answer these and other questions by studying the digestive, respiratory, immune, circulatory and reproductive systems, along with the common diseases that affect them. This class follows Evolution and Animals.

GENERAL SCIENCE

NATURAL DISASTERS 1 Mod

Hide from tornadoes, escape tsunamis, predict volcanic eruptions, track hurricanes and earthquakes. Learn more about our earth's most terrifying natural disasters, their causes, effects and the amazing scientists working to keep you safe.

JUNKYARD WARS 1 Mod

What is junk good for? How about a rocket, a catapult, a parachute, a car, a submarine and much more? Learn some basic principles of physics by designing and building complex machines from junk and household materials. Then test your knowledge by competing against your classmates in this unique class.

GEOLOGY OF THE NATIONAL PARKS 1 Mod

Why are the layers of the Grand Canyon different colors? What causes stalactites and stalagmites at Carlsbad Caverns? Why is White Sands white? What makes Old Faithful so consistent? Be a know-it-all on your next trip to a National Park. This class explores major geologic and geothermal features and processes using concrete examples found in our National Parks.

CHEMISTRY

INTRODUCTION TO CHEMISTRY 1 Mod - Required

Chemistry is a lab science that focuses on matter and the changes it undergoes. In the first module, students will develop a basic knowledge of the fundamentals of chemistry. Major topics will include: Working in the laboratory (safety, measurement, data analysis), the vocabulary of chemistry, and atoms. Students are required to take this course as the first of four chemistry modules. Prerequisites include successful completion of Biology and Algebra 1.

MATTER 1 Mod - Required

During the second module of chemistry, students will focus on matter and its physical changes. Major topics will include: bonding in chemical compounds, nomenclature, the mole, and states of matter. Students are required to take this course as the second of four chemistry modules. Prerequisites include successful completion of Chemistry 1.

CHEMICAL REACTIONS 1 Mod - Required

During the third module of chemistry, students will focus on chemical change. Major topics will include: chemical reactions, balancing chemical equations, stoichiometry and limiting reactants. Students are required to take this course as the third of four chemistry modules. Prerequisites include successful completion of Chemistry 2.

REACTIONS - NUCLEAR FOCUS 1 Mod - Choice 1

During the fourth module of chemistry, students will focus on different kinds of reactions. Major topics will include: acids-base reactions, precipitation reactions, oxidation-reduction reactions, and nuclear reactions. Extra emphasis will be placed on nuclear reactions. Students may choose this course OR "Chemistry 4: Reactions – Solutions Focus" as their fourth required chemistry module. Prerequisites include successful completion of Chemistry 3.

REACTIONS - SOLUTIONS FOCUS 1 Mod - Choice 2

During the fourth module of chemistry, students will focus on different kinds of reactions. Major topics will include: acids-base reactions, precipitation reactions, oxidation-reduction reactions, and nuclear reactions. Extra emphasis will be placed on reactions that occur in solutions. Students may choose this course OR "Chemistry 4: Reactions – Nuclear Focus" as their fourth required chemistry module. Prerequisites include successful completion of Chemistry 3.

ADVANCED CHEMISTRY

INTERACTIONS OF ATOMS & MOLECULES 1 Mod

During the first module of advanced chemistry, students will take an in-depth look at several topics introduced in first-year chemistry. Emphasis will be placed on our understanding of the atom, chemical bonding (including VSEPR and molecular geometry), and interactions between chemical compounds (including intermolecular forces, solutions, and colligate properties). Prerequisite includes the successful completion of Chemistry 1,2,3 and 4 (First-year chemistry).

EQUILIBRIUM & KINETICS 1 Mod

During the second module of advanced chemistry, students will study equilibrium and kinetics. Major topics will include: Le Chatelier's principle, equilibrium constants (gaseous reactions, acids and bases, and precipitation reactions), reactions rates, rate laws and rate constants. Prerequisite includes the successful completion of Advanced Chemistry 1.

THERMODYNAMICS & ELECTROCHEMISTRY 1 Mod

During the third module of advanced chemistry, students will study thermodynamics and electrochemistry. Major topics will include: energy, enthalpy, entropy, Gibbs Free Energy, electrochemical cells, cell potentials, and batteries. Prerequisite includes the successful completion of Advanced Chemistry 2.

ORGANIC CHEMISTRY 1 Mod

The fourth module of advanced chemistry introduces organic chemistry. Major topics will include: bonding and structure in organic compounds, naming organic compounds, identifying functional groups, polymers and basic organic reactions. Prerequisite includes the successful completion of Advanced Chemistry 3.

ENVIRONMENTAL SCIENCE

ENVIRONMENTAL ETHICS & ENERGY 1 mod

Global warming, biodiversity, sustainability, oil addiction, pollution. This course will help you make sense of these and other environmental buzzwords. You will learn to make your own decisions on environmental issues and develop a personal environmental philosophy based on your own world view. This mod focuses in particular on the issue of global climate change.

ECOSYSTEMS 1 mod

This class focuses on ecosystem structure, global biomes, predator-prey relationships, competition, carrying capacity, population dynamics and sampling. The second half of the class will focus on the local ecosystem and New Mexico water issues. This class will include labs, research projects, simulations, computer modeling, a major project and a field trip.

SUSTAINABLE DESIGN 1 mod

Explore alternatives to traditional housing and product design and manufacture by using alternate materials, maximizing energy and water efficiency and researching revolutionary new designers. This course features two major creative projects and labs about sustainability and natural resource sharing.

OIL & ITS ALTERNATIVES 1 mod

Study the journey of oil from the ground all the way to your car or home. Research the impacts of drilling, oil transportation and use in homes, industry and vehicles. Explore the political issues surrounding oil and determine the feasibility of its many alternatives. This course features a generative project to analyze and reduce energy consumption in the community.

ADVANCED BIOLOGY

ADVANCED MOLECULES & CELLS 1 mod

This course provides students with an advanced examination of major macromolecules, metabolism, cellular structure and function, communication, photosynthesis, respiration and cell division. Students should be prepared for rigorous, fast-paced study and challenging labs and tests. This class is a prerequisite for Advanced Genetics.

ADVANCED GENETICS 1 mod

Trace the history of genetics and explore its implications in society today. Students will study classical genetics, molecular genetics, technological advances, disorders, cancer, the Human Genome Project and the genetic basis of development. This course follows Advanced Molecules and Cells and precedes Advanced Evolution and Animals.

ADVANCED EVOLUTION & ANIMALS 1 mod

Students will be required to think both philosophically and scientifically about some difficult issues including evolution, natural selection, species definition and classification discrepancies. Students will also do individual research on physiological adaptations and functions of animals. This class follows Advanced Genetics and precedes Advanced Ecology.

ADVANCED ECOLOGY 1 mod

This course features an advanced study of populations, ecosystems, energy flow, species interactions, biodiversity, conservation and biogeography. Students will work on individual research and read some of the prominent authors in this field. The prerequisite for this class is Advanced Evolution and Animals.

PHYSICS

VECTORS 1 mod - Required

This course is an introduction to the concepts of physics. Vectors are quantities that have both magnitude and direction and therefore require a method to add, or subtract them. This course will study the differences between displacement and distance, speed and velocity. Students will study these differences in a laboratory environment using the Pasco sonar and smart pulley interface. This course is required before the student may take subsequent physics components.

FORCES IN ALL DIRECTIONS 1 mod - Required

This is the second component in the physics sequence. Students will use the material discussed in Vectors and apply them to forces. They will study the interaction of forces in the laboratory environment, using the Atwoods machine, the Pasco interfaces with the sonar sensor, and the smart pulley. This is the second required component in the physics sequence and must be taken before the other physics components.

ENERGY & WORK 1 mod - Choice 1 of 2

This course is one of the components the student may choose to take after the two introductory courses, Vectors and Forces. In the class the student will study the concepts of energy, both kinetic and potential, work, power, and torque. We will study these concepts with hands-activities in the laboratory.

WAVES & SOUND 1 mod - Choice 2 of 2

This class will study the interaction of waves with relation to sound and light. We will explore the concepts of frequency, wavelength, speed, decibels, and the Doppler shift through hands-on activities and labs.

ELECTRICITY & MAGNETISM 1 mod - Choice 3 of 2

This course is another component that the student may choose to take after the two introductory courses, Vectors and Forces. We will study the concepts of Electricity, magnetism and other topics dealing with the electromagnetic spectrum. We will explore different types of electronic components and simple circuits.

SPACE & ASTRONOMY 1 mod - Choice 4 of 2

This course is another component that the student may choose to take after the two introductory courses, Vectors and Forces. We will study centrifugal forces, gravity, and Keplers laws of planetary motion. We will then study the earth and moon interactions, earth and sun interactions and finally study the other members of our solar system even the newly discovered objects in the Kuiper Belt. We will then study the stages that a star may go through.

SCIENCE ELECTIVES (EACH WORTH .25 CREDITS)

BOTANY 1 mod

Why do plants grow up? Why do leaves change color? What make fruit so delicious? This course includes the study of plant physiology and hormones, classification and identification as well as the traditional uses of native plants.

NATURE READING & WRITING 1 mod

An upper level seminar class in which students read works by Edward Abby, John Muir, Annie Dillard, Aldo Leopold, David Thoreau, Wendell Berry, Tim Cahill and others. Students will be given opportunities to practice their own nature and travel writing in poetry and prose and critique their peer's writing. Students will produce a class-wide literary journal as a final project. Prerequisite: Junior or Senior only and with approval of instructor.

TECHNOLOGY

TOTAL CREDITS NEEDED: 1.00

Applied Computers	.25 credit: 1 mod
Computer Graphics	.25 credit: 1 mod
Two Class Choices	.50 credit: 2 mods

COMPUTER APPLICATIONS 1 mod - Required

This course features an exploration of the computer and common applications found on a computer running Windows. We will learn to use a word processor, spreadsheet and graphics editing software and a presentation editing software. This should be the first computer course taken.

COMPUTER GRAPHICS 1 mod - Required

This course features an exploration of the computer and common applications found on a computer running Windows. We will continue to use a word processor, spreadsheet and graphics editing software and a presentation editing software with the emphasis on applications in the job market. This should be the second computer course taken.

COMPUTER GRAPHICS II 1 mod - Choice 1 of 2

This is a follow-up course to Computer Graphics. It will use Adobe Fireworks and Flash to create animations and graphics for use in Dreamweaver-created web pages. The main focus will be creating animations using Flash and then applying them to other applications.

WEB PAGE DESIGN 1 mod - Choice 2 of 2

This course focuses on the exploration of the World Wide Web. We will learn how to use web page editors to develop a web page that is the students' portfolio of work. We will learn different editors and then explore the HTML language that is popular of developing web pages. This course may be taken after Computer Graphics.

ROBOTICS PROGRAMMING I 1 mod - Choice 3 of 2

This course is an exploration of the Lego Mindstorm RCX and programming it in a Java-like language called Lejos. You learn how to teach the robot to use its motors and sensors and then have your robot make decisions based on its sensors.

ROBOTICS PROGRAMMING II 1 mod - Choice 4 of 2

This course is a continuation Robotics Programming I and the exploration of the Lego Mindstorm RCX and programming it in a Java-like language called Lejos. You learn how to teach the robot to use its motors and sensors and then have your robot make decisions based on its sensors.

UPPER SCHOOL - SOCIAL STUDIES

STATEMENT OF PHILOSOPHY

The Social Studies department believes students should learn how to access and organize information to make it beneficial. We believe students should study specific content areas and be able to think about content by using critical thinking skills to form judgments and put ideas together. Every opportunity is taken to encourage students to develop an appreciation for and interest in the content areas. We believe that students who work through our curriculum offerings will emerge as young people who are ready to take on the responsibilities of citizenship, recognize where they are in time and space and understand the events that have shaped their past.

TOTAL CREDITS NEEDED: 3.50

<u>New Mexico History</u>	<u>.50 credits: 2 mods</u>	<u>Economics</u>	<u>.50 credits: 2 mods</u>
<u>World Studies</u>	<u>1 credit: 4 mods</u>		
<u>US History</u>	<u>1 credit: 4 mods</u>		
<u>US Government</u>	<u>.50 credits: 2 mods</u>		

NEW MEXICO HISTORY

New Mexico History A 1 mod

This course will focus on the geography, natural environment and early history of New Mexico. Special attention will be given to Native American cultures of the Southwest and how they traditionally related to the environment.

New Mexico History B 1 mod

This course deals with the interaction of Native American, Hispanic and Anglo ethnic groups from the first Spanish explorations in New Mexico to the present. Major historical events and eras will be covered, especially the period since statehood.

WORLD STUDIES - CHOOSE 4

CROSSROADS OF TERRORISM - MIDDLE EAST 1 mod - 1 of 4 choices

This course traces the history of southwest Asia from the colonial period to the present day. Major topics include the legacy of Imperialism, the independence movement and the post-WWII conflicts that have led to the present state of affairs. The final project is a simulation of the UN Security Council debating solutions to a real-world crisis.

TIGERS & DRAGONS - THE ASIAN SUPER POWERS 1 mod - 2 of 4 choices

Study the history, geography and politics of the Asian Super Powers: China, India and Japan. What was the link that forged these nations and what impact do they have on our global economy, environment and world politics. Students will explore ancient religions, writing systems, inventions and dynasties. Course evaluation will be based on class participation, assignment completion, research, exams and projects.

POLITICS & HOPE IN AFRICA 1 mod - 3 of 4 choices

In this course, students will explore the physical and political characteristics of Africa. We will explore such issues as how and why Italian, Dutch, French and English are spoken in certain regions of the continent, as well as specific situations in Africa involving civil wars, debt relief, health and environmental issues. This course will cover Africa as a continent and include the Arabic-speaking Middle East. Guest speakers and field trips will be a part of the curriculum and students will be evaluated on the basis of class participation, research, exams and projects.

THE AMERICAS - OUR NEIGHBORS TO THE SOUTH 1 mod - 4 of 4 choices

Intrigued by the thought that North Americans are not the only Americans? Interested in the rest of the continent? We will examine current political and economic events, as well as the geography and history of the Americas. Native American, resource use and current human right issues will be explored, as we examine our neighbors. Students will receive grades based on class participation, completion of assigned work, research, exams and projects.

THE GREEKS & THE ROMANS 1 mod - 5 of 4 choices

Students will examine the basic foundations of government, science, art and architecture as developed by these ancient western civilizations. This course will take an in-depth look at the Greek development of democracy; the Romans and their republic; and early philosophers' attempts to understand the physical world. Greek and Roman architectural styles and art/dramatic development and styles will be a part of this study of classic history. Students will be rated on class participation, research projects, homework completion and exams.

MEDIEVAL EUROPE TO THE RENAISSANCE 1 mod - 6 of 4 choices

This course follows Medieval life and culture from feudalism to the development of nation-states, castles, cathedrals, religion and politics. The Renaissance of Europe will be a part of this examination of European Life and Culture. Students will be evaluated on research projects, completing readings, exams and willingness to participate in class discussion and activities.

INDUSTRIALIZATION, IMPERIALISM & NATIONALISM 1 mod - 7 of 4 choices

Roaring to a noisy life, the Machine Age develops in the West. Study this time of industrialization and the growth of Imperialism that takes shape in this era. A time of exploration, colonization and invention and the resulting wars and conflicts that develop, make up the basis of this history section. Students will experience simulations and study geography that changes often. They will seek to understand the expansion and changes into the West. Grades will be based on completion of assignments, class participation, research and writing projects, along with exams.

MODERN EUROPE POST-WORLD WAR II 1 mod - 8 of 4 choices

A Cold War emerges after the destruction of the World War. How did the events that still shape our politics and conflicts of the recent past begin? A study of the fall of communism and changes in the economic states of European nations will help students understand our modern economic and political relationships in the West. Student will be evaluated based on completion of assignments, class participation, research and writing projects, along with exams.

US HISTORY - CHOOSE 4**US CONSTITUTION - FOUNDING OF A NEW NATION 1 mod - 1 of 4 choices**

This class covers the foundations of independence from colonial time through the writing of the Bill of Rights.

THE COLD WAR & VIETNAM 1 mod - 2 of 4 choices

The Nuclear Age dawns at Los Alamos and the Cold War brings a proliferation of new weapons, ideas and a series of "hot" wars. This class covers the period in US History from the end of WWII to the call of Communism in Europe with an in-depth look at the Vietnam War and the 1960's. Students will be evaluated on tests, weekly assignments and group and individual projects.

SLAVERY, CIVIL WAR & RECONSTRUCTION 1 mod - 3 of 4 choices

This is a US History class that covers the period from the introduction of slavery to the American colonies through the end of the Reconstruction. The causes, people and events of the Civil War are the main focus of this course. Test quizzes, group and individual projects, homework assignments and notebook are used for assessment.

THE UNITED STATES BECOMES A WORLD POWER 1 mod - 4 of 4 choices

"Speak softly and carry a big stick." Who said this and why? This mod is an overview of the United States' development as a world power from post-Civil War industrialization to WWI. The Spanish-American War and the building of the Panama Canal are also main topics in this class.

A BOLD NEW WORLD 1 mod - 5 of 4 choices

America enters the 20th Century as an optimistic newcomer to the world stage. Automobiles, airplanes, consumerism and new leisure time activities are overshadowed by a growing world arms race and the rise of dictators. World War I, the war to end all wars, changes us forever as a nation.

ALL THAT JAZZ 1 mod - 6 of 4 choices

A new world power, The United States quickly experiences the Roaring '20's, the Great Depression and WWII. A new generation of Americans roar into the 20th Century, only to become disenchanted after WWII. A great depression grips the nation and the world and new leaders bring the world to another war.

US GOVERNMENT - CHOOSE 2**LAW & ORDER 1 mod - 1 of 2 choices**

This course examines the constitutional foundations of the United States, including individual and civil rights.

SO YOU WANT TO BE PRESIDENT? 1 mod - 2 of 2 choices

This class looks at the electoral process, the use of propaganda and how mass media influences modern politics. In this examination of politics, the media and current events will be a large part of daily class materials.

POWER IN WASHINGTON 1 mod - 3 of 2 choices

How do the three branches of government really work? This mod is an overview of the Federal Government and how each branch interacts with the others. The class will look at historical case studies and analyze present day problems and solutions. The culminating activity will be a mock Congress and each student role-playing a member of Congress.

ECONOMICS - CHOOSE 2

THE MARKET ECONOMY 1 mod - 1 of 2 choices

This course covers two main areas in our nations economy and usually requires a final project. The first question the class explores is: What does history tell us about the role of government in a market economy? i.e. various degrees of government involvement, different taxes, tax structures and incentives, the fiscal policy of the U.S. government, the monetary policy of the Federal Reserve etc. A second area for study asks what is involved in starting and running your own business in a free market economy? Students visit with local entrepreneurs to learn from their varied business experiences.

THE GLOBAL ECONOMY 1 mod - 2 of 2 choices

This course is designed to get a basic understanding of economics in general. Students will learn what Economics really is, how markets work, economic challenges, government and economics, and development and transition. Once the class is completed each student should have a basic understanding of how markets affect each other, and what affects the markets when change occurs. Each student will take quizzes and tests. Each student will also participate in a class project where they will purchase stock and analyze the up and downs of the stocks.

MARKETING 1 mod - 3 of 2 choices

Marketing is project-based class that will allow the students to design their own business. Each business is required to design their own logo, slogan / motto, and product. From their each business must then create numerous advertisements such as flyers, business cards, billboards, as well as a newspaper ad and electronic advertisements such as websites and email flyers. All students must be creative throughout the course, using presentations where they must convince the class to invest in their start up business!

SOCIAL STUDIES ELECTIVES (EACH WORTH .25 CREDITS)

LAW 1 mod

This course allows students to explore the areas of law. Constitutional Law, Environmental Law and landmark Supreme Court cases area base for this course, with a mock trial simulated in the classroom for learning Criminal and Juvenile Law.

PSYCHOLOGY I 1 mod

This survey of the foundations and basic theories of Psychology will allow students to explore the theory behind this social science. Students will explore development, gender, perception, learning, memory and more. Students will use the information to prepare major projects and research that they choose to pursue.

PSYCHOLOGY II 1 mod

After a successful completion of Psychology I, students will continue to study the social science area of Psychology, by application, research and conducting experiments. Students will continue to study and research in areas that are of particular interest to them. Research projects are requirement of the course.

UPPER SCHOOL - VISUAL & PERFORMING ARTS

STATEMENT OF PHILOSOPHY

The Fine Arts courses are intended to enrich every student's education and experience at Menaul School. The arts reach into every field of study and offer limitless possibilities for a student to develop a creative voice, whether that voice is on a stage or in the studio. The arts also reach into every aspect of life, from the cultural traditions of the Southwest to global trends in contemporary art. The Menaul School Fine Arts department aims to prepare students for both college and life beyond the classroom.

TOTAL CREDITS NEEDED: 2.00

All Visual and Performing Arts courses are 1 mod and can be taken twice to fulfill the credit.

VISUAL ARTS

FUNDAMENTALS OF DESIGN 1 mod - Lab Fee

This mod allows the student to study, in depth, the principles of design (balance, contrast, unity, emphasis, pattern and movement/rhythm), through various 2-D and 3-D projects. Projects include commercial design, graphic design, typography, nature studies, textile design and constructions using new and recycled materials.

DRAWING & PAINTING 1 mod - Lab Fee

This class is intended to teach the student the basic language of visual communication and to provide students with the technical ability to successfully make works of art. The visual language includes the elements of art and principles of design. Drawing explores the relationship between object space and negative space through still life and emphasizes using total values to render objects realistically. Painting includes study in color theory and abstraction. Media used, but are not limited to: pastel, pencil, oil paint, acrylic paint and watercolors.

PRINT & GRAPHICS 1 mod - Lab Fee

Students will explore the printmaking methods of linoleum block, wood block, solar etching, mono-types, calligraphy, silkscreen, photo-transfer and stamping. The format for student's artistic expression includes handmade paper and books, altered books collage and textile design.

PHOTOGRAPHY 1 mod - Lab Fee

This class traces photography to its early history of photography and drawing devices. Darkroom experience is included if class size allows. Digital photography is a means to an end in creation of a self portrait. Modern alternative photography methods are also explored.

ADVANCED STUDIO/INDEPENDENT STUDY 1 mod - Lab Fee

This class will afford an advanced level art student to pursue projects of their interest. Motivation for projects are student centered and choice-based with the teacher act as mentor. Portfolio review and teacher approval necessary for enrollment in this class.

METAL SCULPTURE I-IV 1 mod - Lab Fee

The overall purpose of this course is to explore and develop student skills in the manipulation of metal types as an art form. It is designed to introduce students from the beginning through the advanced levels of welding, brazing, soldering and metal cutting techniques. Students should be able to demonstrate a degree of competency in MIG welding, arc welding, plasma-cutting and gas torch usage. Additionally they should be able to feel comfortable using welding equipment, a high temperature forge and other small mechanical tools necessary to their understanding of techniques and knowledge acquired in the class setting. Students will be required to provide gloves and protective clothing.

CASTING I-IV 1 mod - Lab Fee

Students will learn a mixture of casting techniques including lost wax, cuttle bone, charcoal block, water, drop, tuffa and sand. These classes will span from beginner through professional levels.

JEWELRY FABRICATION 1 mod - Lab Fee

This class will focus on turning stones, set stones and manipulate metals. Students will learn techniques of basic soldering and how to use small hand tools and machine tools, such as buffers and grinders.

CERAMICS HAND-BUILDING 1 mod - Lab Fee

Students will learn to prepare clay and make objects that are carved or formed. They will learn to glaze and fire.

WHEEL THROWING I-III 1 mod - Lab Fee

Students will learn to prepare clay, use a wheel and learn throwing techniques to make cups, bowls, etc. Glazing techniques and firing will be included.

PORCELAIN I & II 1 mod - Lab Fee

This class will focus on learning to prepare this highly specialized clay that is difficult to work with. Students will learn to use a wheel, learn throwing techniques to make objects. Glazing and firing techniques will be included.

RAKU I-III 1 mod - Lab Fee

Students will learn to prepare clay, use a wheel and learn throwing techniques. They will work with specialized clays and glazes to create metallic style pottery.

PERFORMING ARTS

CHORUS 1 mod

This course is designed to teach young musicians the basics of sound choral singing. Students will learn proper vocal technique, sight-singing and basic theory. Choral literature spans all time periods and styles and part-singing will also be focused on. Grading will include performances in and out of the Menaul School community.

BEGINNING BAND 1 mod

Pre-requisites: Students must furnish their own instrument, with the exception of some percussion instruments. Beginning Band is a class designed to serve all grades and will focus on learning the basic techniques for wind and percussion instruments

ADVANCED BAND 1 mod

Advanced Band is designed for students who have played a wind or percussion instrument for a least one year. It is a class in fundamentals, especially the fundamentals of good breath control, sound production and reading music. Only instruments common to the study of band in school will be used in this group.

GUITAR I 1 mod

This is a class for students who have had no formal introduction to playing guitar. The class will be focused at proficiency with the fundamentals of classical guitar technique, reading in standard notation and performing as a group.

GUITAR II 1 mod

Guitar II is a class for students who have successfully completed Guitar I or who have experience from other schools, private study or dedicated self-directed and have already achieved a thorough grounding in the fundamentals of classical guitar technique and basic music reading skills of the guitar.

DRAMA I 1 mod

The basics of voice, movement, characterization and improvising will be covered. Confidence will be built and stage fright diminished. Students will perform short scenes and learn basic make-up and costuming. Public speaking and reading skills will be touched upon.

DRAMA II 1 mod

An in-depth study of the art of acting. Students will study various schools and theories of acting including "method" acting. The class will cover proper ensemble work. Students will profile and study actors and their performances. Live performances at local theaters will be reviewed and studied.

TECHNICAL THEATER 1 mod

Basics of set construction, sound and lighting design. Students will become familiar with technical aspects of Menaul School theater facilities. Students who take this class will be expected to form the backbone of the Menaul School Theater Program's technical crew and will participate in technical aspects of all drama productions. Live performances at local theaters will be viewed and studied.

MUSIC & FILM APPRECIATION 1 mod

Course offering will focus on film in various time periods from the actor's perspective. Study of selected actors and their works, development and contributions will be analyzed. Grading will include term papers and oral presentations.

UPPER SCHOOL - PHYSICAL EDUCATION

STATEMENT OF PHILOSOPHY

The objective of the physical education department is to teach the student life-long activities to ensure a healthy lifestyle throughout the student post upper school endeavors. The classes intend to teach the student how to build cardiovascular and muscle endurance, increase flexibility and set personal fitness goals. The department focuses on teaching students a variety of sports that can open doors for inter-scholastic participation where they also learn the basic skills of lifetime sports that can be enjoyed throughout life.

TOTAL CREDITS NEEDED: 1.00

A total of four (4) mods are needed to complete this credit.

PHYSICAL EDUCATION 1 mod

This class provides the knowledge, skills and understanding necessary to act in ways that enhance their immediate and long-term health. There is special emphasis on fitness concepts and physical/recreational needs. Team and individual sports include, but are not limited to, basketball, softball, volleyball, aerobics, dance, badminton and strength training.

LACROSSE 1 mod

This course will be an introduction to the game of Lacrosse. It will cover the history of the game along with learning basic skills and the rules of the game. By the end of the course, students should be able to participate in a full Lacrosse game.

FALL SPORTS, SPRING SPORTS & BASKETBALL 1 mod

These classes are a tool for all student athletes that are both in and out of season. This activity class gives each student an opportunity to prepare for their current season and upcoming seasons. The class will focus on strength training which will be the platform for speed and agility. Lifting will be supervised to achieve both strength and muscular endurance.

PHYSICAL EDUCATION ELECTIVES (EACH WORTH .25 CREDITS)

SPORTS MEDICINE 1 mod

This course is designed to introduce to the students to the prevention, evaluation and rehabilitation of athletic injuries. Students will participate in study of basic anatomy. Students will evaluate injuries and employ basic rehabilitation techniques including athletic taping.

UPPER SCHOOL - MODERN LANGUAGES

STATEMENT OF PHILOSOPHY

Language and communication is the core of the human experience. We must educate students who are linguistically and culturally equipped to communicate successfully in a pluralistic American society and abroad. All students should develop and maintain proficiency in English and at least one other language.

TOTAL CREDITS NEEDED: 3.00

The graduation requirement in Modern Languages is three years of a language or the equivalent proficiency as determined by written test and an oral interview.

SPANISH I Full Year

Students will begin their development of listening, speaking, reading and writing skills in Spanish. The grammatical focus is on the present tense. Topics incorporate the history, geography, literature, art and daily living in Hispanic cultures. Fluency will develop in relation to the amount of time spent in practice in and out of the classroom.

SPANISH II Full Year

Students will continue their development of listening, speaking, reading and writing skills in Spanish. The grammatical focus shifts from the present tense to include communication about the past, present and future. Historical and cultural aspects of Spain and Latin America are introduced. Fluency continues to improve in relation to the amount of time spent in practice.

SPANISH III Full Year (or two mods, if appropriate)

Students will continue their development of listening, speaking, reading and writing skills in Spanish. An emphasis is placed on writing and conversation. Reading, model proper grammar and student writings provide examples of grammatical areas on which to focus.

SPANISH IV 2 mods

This course takes a literary approach to language study. Skill development is based on the study of topics such as sports, music, foods, fashion, history, ecology, literature and current events. A higher level of proficiency in the language is developed as specialized vocabulary for different subject areas is used in discussion and presentations. Students are exposed to authentic visual, audio and print materials.

MODERN LANGUAGES ELECTIVES (EACH WORTH .25 CREDITS)

HISPANIC FOLK ART & TRADITIONS 1 mod

Students will be given the opportunity to become aware of and explore linguistic, historical and cultural contributions of the Hispanic people. The student will experience an introduction to Spanish and an overview of New Mexico history, Hispanic folk art, cuisine, music, drama, literature and historic New Mexico sites.

UPPER SCHOOL - RELIGIOUS STUDIES

STATEMENT OF PHILOSOPHY

The Department of Religious Studies aspires to develop within Menaul students both a basic understanding of world religious traditions and an appreciation of the value of the religious and spiritual dimension of human society and culture. An emphasis on Scripture and the Reformed Christian tradition reflects Menaul's historic roots and continuing affiliation with the Presbyterian Church (USA), but students are encouraged to explore freely and creatively their own faith and beliefs.

TOTAL CREDITS NEEDED: 2.00

Students must take two (2) mods of religion each year.

RELIGIOUS STUDIES PRE-REQUISITES FOR FRESHMEN AND ENTERING STUDENTS

TANAK 1 mod

An Introduction to the Hebrew Bible -The Tanak, the collection of ancient writings that Christians call the Old Testament, is not merely a sacred book for Jews and Christians, but the most influential collection of literature in our culture, comprising texts which are at the heart of the art, literature, ethics and politics of our modern world. This course is intended to introduce students to the content and world of the Hebrew Bible and to help them discover how these ancient texts speak to us today.

GOOD NEWS 1 mod

An Introduction to the Gospel Tradition -This course will provide students with a general introduction to both the content and the historical and cultural context of the New Testament. After a brief survey of the diverse and sophisticated Greco-Roman-Jewish world in which Jesus and his disciples lived and the Church developed, students will study in depth the Gospel according to Mark, the first written gospel.

WORLD RELIGION - SOPHOMORE THROUGH SENIOR

GREAT RELIGIONS OF ASIA 1 mod

Students will be introduced to the philosophy and practices of the major religions that originated in Asia: Hinduism, Buddhism, Taoism, Confucianism and Shinto.

ISLAM 1 mod

An understanding of Islam has never been more important than it is today. This course will provide the student with an understanding of the origins and history of early Islam as well as traditional Islamic theology and practice. Topics will include the distinction between Sunni and Shi'a, the concept of jihad, Islamic mysticism (Sufism), and Islamic art and architecture.

NATIVE AMERICAN SPIRITUALITY & CHRISTIANITY 1 mod

There are numerous traditions that come from the spiritual life of the Native American community. Many of these traditions reflect a value system and an ethic that is often spoken of in Christian circles. What, then, is the connection, if any, between these traditions? In examining these issues, the course illuminates much of the dignity of the two traditions and sets the stage for a series of meaningful dialogues.

SCRIPTURE - SOPHOMORE THROUGH SENIOR

VANITY, SUFFERING AND LOVE 1 mod

What is life all about? Three of the most profound responses to this question are the books of Ecclesiastes, Job, and Song of Songs in the Old Testament. Students will be given the opportunity to read and respond creatively to these extraordinarily rich and startlingly modern reflections on what truly matters.

ALIENATION & EXILE 1 mod

We all know the pain of feeling cut off, lonely, and misunderstood. Feeling like an outsider or stranger is one of the primary themes of the Old Testament, from the expulsion from Eden, to the Babylonian Exile, to the Dispersion. Literally and spiritually, Biblical people often sense themselves 'exiled' from happiness, from other people, and from the presence of God. This class will explore the development of this theme in the Hebrew Bible in relationship to the theme of covenant.

APOCALYPSE 1 mod

The Book of Revelation- No book in the Bible is more controversial than the last one - the book of Revelation. This puzzling text has lent itself to many different interpretations through the centuries. Students will have the opportunity to try to make sense of these fantastic and mysterious visions of the end of time.

THE PASSION 1 mod

This class offers a comparative study of the four passion narratives, the gospel writers' accounts of Jesus' final hours, from his entry into Jerusalem to his death on the cross. Textual study will be enhanced by visual, cinematic and musical representations of the Passion.

CHRISTIAN HISTORY & THEOLOGY - SOPHOMORE THROUGH SENIOR

THEOLOGY FOR LIVING I & II 1 mod

This course explores how the study of God influences our society, and in turn, how society influences the shifting perceptions of the teachings of God. Films will be a major part of our curriculum as they serve as our bridge between the world and the Bible, connecting a faith to the life situations that are prevalent in our society. Respectful dialogue is encouraged as we, both as individuals and as a society, wrestle with where God is in our everyday issues and concerns.

HERESY 1 mod

This module will introduce students to the fundamentals of Christian theology by studying those whose views were judged by the early Church to be wrong. Though the names of these heresies may seem ancient and odd - Gnosticism and Donatism, for example - students will learn that many of these ways of thinking thrive today both within the church and in secular popular culture. Textual study will be supplemented by such films as The Matrix and Bladerunner.

THE REFORMATION 1 mod

In the last millennium no event had more impact on Western European civilization than the Protestant Reformation, and it has largely shaped the world we live in today. This class will consider the origins of the Reformation, its leaders, especially Luther and Calvin, Protestant theology, and the impact of the Reformation on our modern world. The class will also study the Roman Catholic response, known as the Counter or Catholic Reformation. (Prerequisite: European history preferred).

RELIGION & SOCIETY - JUNIOR & SENIOR

DEATH & IMMORTALITY 1 mod

An interdisciplinary exploration of death. What is death, and is the death of the body truly the end of consciousness? Is there life after death? Resources will include sacred text, literature and film. Topics will include how we die physiologically, the process of grieving, and the role of death in our psychology and culture.

GOD VS. SCIENCE 1 mod

Are faith and science mutually exclusive? Can we have faith in God and still believe in the claims of science? This is a question both ancient and contemporary. Students will consider diverse perspectives, drawing on theology, biology, psychology, neurology and quantum physics.

PSYCHOLOGY OF RELIGION 1 mod

Is religion merely a crutch for the weak? Why do children and adults think of God differently? Can religion become an addiction? Weren't some of the great figures of religious history just plain crazy? This class will provide a basic introduction to the psychological approach to the study of religion. Topics to be covered include the historical and theoretical background of the psychology of religion, developmental theories, religion and experience, of religious conversion, and religion and mental health.

ETHICS: Making Choices in a Complicated World 1 mod

This course will offer students a basic introduction to the field of ethics and such major ethical systems such as utilitarianism, situational and virtue ethics. It will look at their good points and limitations. Students will be challenged to wrestle with and discuss issues in social, sexual, business, and medical ethics, among others. Students will also learn to identify potential ethical problems in a variety of real or simulated life situations. The will not provide answers, but suggest options that the students can consider and evaluate for themselves.

EVIL 1 mod

How do we define evil? Can we define evil? Is evil an independent force or an exercise of free will? Is evil only in the eye of the beholder? This course, through Scripture, literature, film, art and history will consider the problem of evil, both individual and collective.