

July 1 deadline!

CRMS SOPHOMORE REGISTRATION 2011-2012

NAME _____ DATE _____

Six courses are required for sophomores: English 10, History 10, Mathematics, Modern Language, Science, and Art. Chemistry is the standard science class for sophomores who have successfully completed Biology and Algebra I. Five courses are required for new international sophomores.

ENGLISH	<input type="checkbox"/> ENGLISH 10: WESTERN WORLD LITERATURE – Our western traditions are shaped by oral storytelling, myths, Greek plays, <i>The Holy Bible</i> , <i>Shakespeare</i> , and modern fiction. Many classical western stories are plagued with tragedy, though these stories grant us the know-ledge and responsibility to avoid falling prey to our own “hamartia,” or cosmic blind spot, that ultimately leads to our downfall. Our course begins with the adventures of Beowulf, Odysseus, and the tragedies of Oedipus Rex and Antigone.
----------------	--

ENGLISH FOR INTERNATIONAL STUDENTS	<input type="checkbox"/> LITERATURE AND COMPOSITION – This course is designed to prepare students for immersion in upper-level English classes. Through texts and writing techniques of increased difficulty, this course helps scaffold student development in literary analysis and prepares students for standardized tests that are essential for college admission.
---	--

HISTORY	<input type="checkbox"/> HISTORY 10: WESTERN WORLD HISTORY – This required course for all 10 th graders studies the history of western ideas and events. It begins with the historical study and analysis of the Judeo-Christian tradition and ends with a study of 20 th Century European events and philosophical trends. The course consistently deliberates on the connections between philosophical thought and the historical context that both informs and influences the western tradition.
----------------	---

HISTORY FOR INTERNATIONAL STUDENTS	<input type="checkbox"/> FOUNDATIONS OF WESTERN CIVILIZATION – This course prepares students for succeeding in upper-level history courses. The curriculum is the same as that of mainstream sophomores, yet ESL students receive support and modification directly from the ESL faculty. Through the study of Western civilization, students continue to develop their reading, writing, and speaking skills and begin to apply their background knowledge to historical events, moral debates, and geo-political issues. This class is integrated with our mainstream History 10 class which allows students to further their familiarity with the US classroom and continue to improve their listening and speaking abilities.
---	---

July 1 deadline!

CRMS

MATH

A TI-84 Graphing Calculator is required for all math courses.

Please check the appropriate box.

If you're not sure where you should be placed, choose the level that you think is correct and check here to request a placement test:

Include your e-mail address:

ALGEBRA I – This course develops both the fundamental skills of algebra and the context for the practical application of math. Students learn fundamental statistics, algebraic manipulation, graphing, and mathematical modeling. Statistics topics covered include measures of center and spread, histograms, box plots, scatter plots, and making deductions based on graphs and descriptive statistics. Algebraic manipulation topics include simplifying and solving linear, polynomial, exponential, and absolute value expressions and equations. These algebraic topics are applied to linear, quadratic, and exponential modeling. Students use a TI-84 calculator, computers, and the internet to gain better understanding of the topics. Students' comprehension is assessed through quizzes, tests, lab reports, projects, and presentations.

GEOMETRY – This course begins by introducing concepts of plane and coordinate geometry through such topics as angles, triangles, lines, circles, polygons, area similarity, congruence, and right-triangle trigonometry. The second semester includes an introduction to perimeter, area, surface area, and volume by deriving formulae and solving problems. Students learn deductive reasoning using proof to expand fundamental geometric concepts by writing logical arguments and justifying conclusions. Throughout the year, geometric constructions serve to illustrate many of the topics. Furthermore, students utilize the graphing calculator as a vehicle to increase understanding through exercises and projects. Students are evaluated through discussion, tests, quizzes, and projects. Prerequisite: Algebra I

ALGEBRA II – This course builds on the foundation in Algebra I to prepare students for future math courses. Students study various classes of functions, including linear, quadratic, exponential, and logarithmic functions. Applying the function to real-world situations through mathematical modeling provides students with an answer to the question, "What is all this algebra good for?" Integrated throughout the year are the fundamental algebraic skills of graphing, solving equations, and simplifying expressions. The graphing calculator is used as a tool for discovering and for making connections between the symbolic, numerical, and geometric representations of algebraic concepts. Students are evaluated through tests, quizzes, projects, and presentations. Prerequisite: Geometry

Math Continued...

July 1 deadline!

CRMS

MATH

A TI-84 Graphing Calculator is required for all math courses.

ENVIRONMENTAL STATISTICS – In this course, students use statistics and mathematical modeling to examine environmental data. Linear, exponential, logistic, and trigonometric functions are used to model change in different populations, environmental impacts, and natural phenomena. Students study measures of center and spread and probability theory to help understand and describe different sets of data, as well as to think critically about the statistics presented by the media. This course is entirely project-based. Students are asked to gather, examine, and explain relevant data about a population or ecosystem. In all these topics, technology is an invaluable tool in understanding the concepts as well as solving problems. Technology utilized includes the TI-84 calculator, Excel, PowerPoint, and the internet.

Prerequisite: Algebra II

PRECALCULUS – This course explores functions and their applications. Emphasis is on modeling polynomial, rational, exponential, logarithmic, and trigonometric functions. Operations, transformations and inverses of functions are explored fully. Students are expected to use multiple representations of functions to solve problems, including algebraic, graphical, numerical, and verbal methods. The graphing calculator is used as a tool to explore new concepts as well as to solve problems in different ways. Lastly, sequences and series are introduced and used to develop an understanding of limits. Conic sections and polar coordinates are covered, time permitting. Students are assessed in a variety of ways, including tests, quizzes, projects, and presentations. Prerequisite: Algebra II

SCIENCE

Biology and Chemistry are required courses at CRMS.

★ Because of the challenging nature of the language used in Biology class, we recommend that international students take Chemistry first.

BIOLOGY – Biology is an introduction to life on Earth. In CRMS's first science course, students explore the rationale, logic, and assumptions of the scientific method, scientific inquiry, and scientific research and reporting. In the first semester, students study principles of populations, ecosystems, evolution, taxonomy and systematics, biochemistry, cells and cell division, photosynthesis, and metabolism. In the second semester, students investigate principles of genetics, infectious disease and the immune system, and human anatomy and physiology, including the endocrine system, reproduction, growth and development, neurobiology, and cardiopulmonary and skeletal-muscular systems.

★ CHEMISTRY – The composition and behavior of matter in all its phases is the focus of this course. Topics include the distinction between metals and nonmetals, bonding, the periodic table, basic types of chemical reactions, gas laws, the mole and stoichiometry, organic chemistry, nuclear chemistry, solution (acid-base and redox) chemistry, and energy changes. Studies emphasize qualitative and quantitative lab work, critical analysis of experimental results, and use of abstract models as a basis of explanation.

Prerequisite: Algebra I.

July 1 deadline!

CRMS

SPANISH LANGUAGE

Not recommended or required or ESL students.

CRMS requires two years of Spanish but highly recommends three.

★ All students new to CRMS who have had Spanish previously are required to take a Spanish placement exam. Please mark the level of Spanish you believe is correct.

SPANISH I – In this course, students are introduced to the Spanish language and the Spanish-speaking world. The course develops the four communication skills of speaking, writing, reading and listening as well as cultural awareness.

Have you had any prior Spanish? _____YES _____NO

SPANISH II – For students who have successfully completed Spanish I, this course continues to develop their communication skills in the target language.

SPANISH III – Based upon successful completion of Spanish II and teacher recommendation, this course continues to develop the students' ability to communicate effectively in the target language. In this level, students begin to study literary works.

SPANISH IV – Based upon teacher recommendation, this course offers students the chance to both refine their language skills and continue to study literary works.

SPANISH V – A combination of reading, writing, listening and speaking allows students to practice the new concepts introduced. Students will utilize language purely to communicate in a variety of settings, from academic lectures and discussions to real-life situations. They will refine and review all verb tenses to use proficiently, including complex verb tenses. Throughout the year, Spanish is used exclusively to guide instruction, for the full duration of each class period, and native languages are used only to clarify. Spanish V uses a variety of instructional guides, largely provided by the teacher. Spanish V also provides meaningful in-depth cultural studies for students.

★ Please enter your e-mail address here and we will send you the placement exam:

Please return the test to us as soon as you have taken it.

July 1 deadline!

CRMS

ARTS

THE CRMS ARTS PROGRAM

encourages diversity of experience and offers opportunity for specialization.

Students are expected to take advantage of both of those aspects of the curriculum while fulfilling their graduation requirements in the arts. A fee for materials may be charged.

Seniors are given priority for placement in electives.

Courses may be canceled if demand is insufficient or staffing is not possible for the upcoming year.

~1st, 2nd, 3rd CHOICES REQUIRED from pages 5 and 6: ~

3-D ARTS

BLACKSMITHING – This course takes place in an atmosphere rich in history and is fueled by a dedication to developing the foundational skills of blacksmithing. The curriculum is designed to allow students to explore the potential of forged iron as expressive medium and is meant to inspire continued development of the blacksmithing process and technique. We will also examine the historical context, materials, geography, technology, and social aspects of iron and forge. A comprehensive and demanding program is employed that encourages students to discover and explore the many possibilities of what blacksmithing can be in contemporary forge work.

CERAMICS – This course is designed develop and support students in techniques of making ceramic objects. Students will acquire an in-depth knowledge of form, volume, and space relationships by constructing hand-built and wheel-thrown forms in clay. Form, content, and creative problem solving will guide our practice. Experimentation with the embellishment of a clay surface will extend knowledge of line, texture, pattern, and variation. We will also examine the historical and cultural role of clay to broaden the student's perspective of ceramic arts as an expressive medium.

SILVERSMITHING – In this course, students gain proficiency using the tools and materials to design and create projects in sterling silver. The history of silversmithing, properties of metals, significant artists, and identification of styles and techniques are covered throughout the year, as the students make rings, chains, sculpture, boxes, and do stone-setting and other projects using a variety of techniques.

2-D AND PERFORMING ARTS

DRAMA – This course will give students a better understanding of the elements of drama, not only through study but by actually creating drama. We will explore the history of theatre, improvisation, auditioning, acting, characterization, production, directing, scene work, technical theatre, and makeup. Students will work on the school's drama productions and will direct one-act productions at the end of the year.

July 1 deadline!

CRMS

ARTS

Students may take a second art only as a sixth class. Arts classes will be assigned according to student choice, schedule compatibility, and, if demand is high, date of request.

Seniors are given priority in placement of electives.

MUSIC CLASSES

are open to any instrument – voice, woodwinds (clarinet, saxophone, etc.), brass (trumpet, trombone, etc.), strings (violin, guitar, mandolin, banjo, etc.), piano (keyboard, synthesizer), or percussion (drum set, hand drums, marimba, etc.).

~ 1st, 2nd, 3rd CHOICES REQUIRED from pages 5 and 6: ~

2-D AND PERFORMING ARTS (continued)

DRAWING & PAINTING – Students will learn the technical skills and thought processes needed to be creative visual artists as we explore techniques of drawing, painting, printmaking and mixed-media design. Students will be expected to formulate ideas for creating art through visual observation, their imagination, and their own life experience. Throughout the course we will reflect upon what inspires artists while looking at art from a variety of cultures and times. We will begin by focusing on technical aspects of drawing, painting, and design. Later students will direct their own learning while working independently on a portfolio that demonstrates mastery of the skills and concepts we cover.

PHOTOGRAPHY - This hands-on course will instruct students in the basic operations of a digital SLR camera which includes proper camera handling, exposure control, depth of field, lenses, and how digital capture works. Students will learn how to manage digital files. Adobe Photoshop will be used as the digital darkroom and for basic image correction as well as creative assignments. The impact of photography on society will be discussed as well as history and significant photographers and current issues. **Students MUST have their own digital SLR camera.**

BEGINNING MUSIC – For students with little or no music experience. We will study fundamentals of music; each week will be spent studying beginning music theory, practicing, and rehearsing. Our goal is to teach students the skills and techniques necessary to organize and rehearse music in preparation for live performance.

INTERMEDIATE MUSIC – For those who have music experience. Each week we will review and continue to study music theory and practice and rehearse songs selected by the students. Our goal is to teach the techniques necessary to organize and rehearse music in preparation for live performance.

ADVANCED MUSIC - Students will study many varieties and genres of advanced music which will be defined by the class and instructor in preparation for live performance. Students will review intermediate music theory and will work toward the study of advanced music theory, analysis, improvisation, and composition.

Return this packet as soon as possible to:

Sally Valin, Registrar
CRMS
1493 County Road 106
Carbondale, CO 81623

Please contact Sally Valin if you have any questions:

Phone: (970) 963-2562
FAX: (970) 963-9865
E-mail: svalin@crms.org

REQUIREMENTS FOR GRADUATION FROM CRMS

Students must earn a minimum of 20 credits during 9th through 12th grades. While they must take the requisite number of courses each term and they must meet the departmental requirements, students are strongly encouraged to exceed 20 credit hours to enhance their college admissibility. Freshmen and sophomores are required to take six courses each semester. Juniors and seniors must take five courses each semester; those who have proven themselves capable may take a sixth course. All departmental requirements refer to credits earned in grades 9 through 12. ***Middle school credits are not transferable***, though they will be used for placement purposes. Summer school courses taken prior to enrollment at CRMS will be considered for credit (with an appropriate transcript) on an individual basis.

International students are required to take one English class each year at CRMS. Placement in English, History, or Chemistry will be determined by CRMS faculty. A math placement test may be required. Modern language is not required for ESL students.

ENGLISH:	Four years are required, including American Literature.
MATHEMATICS:	Three years are required (through Algebra II, at a minimum). A fourth year is strongly encouraged.

Of the following four departments, students must have at least three years of credit in three departments, with a minimum of two years in one department. We strongly encourage three years in all departments.

HISTORY:	American History is required.
LAB SCIENCE:	Biology and Chemistry are required.
SPANISH LANGUAGE:	At least two years of Spanish are required.
FINE ARTS:	An Arts Survey course is required for freshmen.

Course changes: Students may add a course during the first week of either semester-long or year-long courses. Courses may be dropped during the first two weeks. Course change requests must receive the approval of the student's advisor, parents, and the academic dean. Changes shall not occur, nor shall partial credit be given, after the conclusion of the add/drop period, unless extraordinary circumstances exist. All changes must conform to minimum course-load, departmental, and graduation requirements.

A student must earn a C- or above in math and language to proceed to the next level, with rare exceptions granted by the department and the academic dean. In some cases, particularly those involving academic warning, a student may be required to attend summer school in order to return to CRMS. A repeated course will earn only one credit, and the GPA will reflect an average of the original and the repeated grade. ***CRMS will not accept summer school or online course work in place of a required course.***

If a student wishes to advance to a higher level of study, ***summer school work is possible*** with permission from the academic dean. However, the course will not be used to fulfill departmental or credit requirements for graduation and will not figure into the student's overall GPA. Students must attend CRMS during their senior year in order to graduate.

~ Parents: Please keep this page for your records. ~