

July 1 deadline!

# CRMS FRESHMAN REGISTRATION 2011-2012

NAME \_\_\_\_\_ DATE \_\_\_\_\_

CRMS freshmen take six courses: English, History, Mathematics, Science, Spanish Language, and Fine Arts. You may select the appropriate level of math and language. Algebra I is the standard math course, with Geometry available for freshmen who have already had a successful year of Algebra I. ESL freshmen take five courses.

<b>ENGLISH</b>	<input type="checkbox"/> <b>ENGLISH 9: WORLD LITERATURE:</b> Freshman English is required for 9 <sup>th</sup> graders. The course emphasizes well-structured and clear writing, reading, speaking, vocabulary, and critical evaluation of literature. The course develops expository writing skills through rewriting, editing, and peer evaluation. Students read from global texts that are chosen to connect with the overall 9 <sup>th</sup> grade humanities curriculum.
<b>ESL ENGLISH</b> <i>For international students only</i>	<input type="checkbox"/> <b>ESL ENGLISH INTERMEDIATE</b> – International students focus on developing their grammar, vocabulary, and writing skills as well as their literary analysis skills needed for mainstream study through reading several short stories and novels. Students prepare for the TOEFL examination and learn the academic habits of mind needed to excel in American classroom culture.
<b>HISTORY</b>	<input type="checkbox"/> <b>HISTORY 9: WORLD GEOGRAPHY:</b> The required history course for the 9 <sup>th</sup> grade, World Geography uses a geographic perspective to introduce students to significant global issues. The relationship between humans and their environment is our theme as we examine human decisions and the consequent “landscapes” that we create. The objectives of the course are to foster greater interest in the world as well as to know what pressures are shaping our future. Ultimately, we are attempting to clarify our feelings about these critical issues and then find the initiative to take our thoughts seriously. We focus on topics in physical geography, examine the evolution of landscapes in geomorphology, and examine topics in human geography. We culminate with an examination of political geographic issues like Nation States, and connected issues like terrorism and global equity. Students debate, discuss, and write as they attempt to clarify their views on these complex issues.
<b>ESL HISTORY</b> <i>For international students only</i>	<input type="checkbox"/> <b>ESL HISTORY INTERMEDIATE</b> – ESL History examines American customs, government, and history. Students develop reading, writing, and research skills and gain practice in the study of a text-based social studies class. Students also develop discussion, presentation, and debating skills, enabling students to better participate in all of their classes.

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# CRMS

## MATH

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

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*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:*

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*Include your e-mail address:*

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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

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# CRMS

## SCIENCE

*Biology is a required course for freshmen.*

★ *Because of the challenging nature of the language used in Biology class, we recommend that international students take Chemistry as freshmen and Biology as sophomores.*

**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 skeleto-muscular systems.

★ **CHEMISTRY** (*for international students*) – 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. *Algebra I is a prerequisite.*

## SPANISH LANGUAGE

*Not recommended or required for ESL students.*

★ *Please mark the level of Spanish you believe is appropriate for you.*

**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.

★ *All students new to CRMS who have had any prior Spanish are required to take a Spanish placement exam. 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.*

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# CRMS

## FINE ARTS

**ARTS SURVEY** – A team-taught survey of the visual and performing arts, with quarter-long units in a selection of arts that are offered at CRMS. This course introduces students to aesthetic theory and the creative process and is required for all freshmen. A small fee may be charged for the use of materials.

## FRESHMAN SEMINAR

This class is integrated with freshman core academic subjects and provides students with the skills and knowledge needed to be successful, healthy, and positive members of the school community. The curriculum focuses on moral and performance character. Topics include self-esteem, diversity, physical health, human sexuality, drug and alcohol awareness, and study skills.

***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](mailto:svalin@crms.org)

## REQUIREMENTS FOR GRADUATION FROM CRMS

*Students must earn a minimum of 20 credits* during 9<sup>th</sup> through 12<sup>th</sup> 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.

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

<b>ENGLISH:</b>	Four years are required, including American Literature.
<b>MATHEMATICS:</b>	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.*

<b>HISTORY:</b>	American History is required.
<b>LAB SCIENCE:</b>	Biology and Chemistry are required.
<b>SPANISH LANGUAGE:</b>	At least two years of Spanish are required.
<b>FINE ARTS:</b>	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. Seniors must attend CRMS during their senior year in order to graduate.

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