

Student Programs

Summer Camps — Residential for two weeks

Fort Lewis College:

Middle School — June 12–23, 2006

High School* — June 18–30, 2006
(second week at CSU)

**preference to students who attended
middle school camp in 2005*

Colorado State University:

Middle School — Sunday, July 9 –
Friday, July 21, 2006

High School* — Sunday, June 18 –
Friday, June 30, 2006

**preference to students who attended
middle school camp in 2005*

Summer Camps — Non-Residential, half day

Metropolitan State College of Denver:

Morning Session: 8:30-11:30, lunch 11:30-12:00

Afternoon Session: lunch 12:30-1:00; 1:00 - 4:00

June 5 - June 16, 2006

June 19 - June 30, 2006

July 10 - July 21, 2006

July 24 - Aug 4, 2006

After School Progress Labs

- Tutor kids who are struggling in math and science
- Work with gifted kids to introduce them to advanced math and science topics and concepts
- Work with English Language Learners to enhance their math and science understanding and achievement
- Coach kids for participation in math and science fairs and competitions
- Introduce kids to new computer technology and applications
- Mentor kids towards careers in math, science, and technology

Statewide Partners

This project is made possible through a grant from the National Science Foundation for \$12.5 million over five years. The Front Range BOCES for Teacher Leadership will serve as primary liaison between partners in higher education and school districts across the state:

Higher Education Partners

- University of Colorado at Denver and Health Sciences Center
- Colorado State University
- Fort Lewis College
- Metropolitan State College of Denver
- University of Denver

School District Partners

- Adams County 14 Public Schools
- Brighton Public Schools
- Elizabeth Public Schools
- Englewood Public Schools
- Gilpin County Public Schools
- Jefferson County Public Schools
- Mapleton Public Schools

For More Information

If you're interested in participating in the Rocky Mountain Middle School Math and Science Partnership, contact us directly:

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For more information and an application,
visit <http://rmmsmsp.cudenver.edu>.

University of Colorado at Denver and Health Sciences Center

College of Liberal Arts and Sciences
School of Education & Human Development

Rocky Mountain Middle School Math and Science Partnership (RMMSMSP)



Funded by the National Science Foundation



Are you a middle school science or math teacher? Do you want to be certified or hold "highly qualified" status? Would you like to work toward a master's degree?

The University of Colorado at Denver and Health Sciences Center has joined with higher education institutions, local school districts, and the National Science Foundation to create the Rocky Mountain Middle School Math and Science Partnership (RMMSMSP). Our goal is to increase student achievement in math and science by providing professional learning for teachers in grades 6 through 8, not only to help them achieve "highly qualified" status as outlined by No Child Left Behind legislation, but to create a cadre of teachers who will become leaders in this endeavor across the state. RMMSMSP also offers summer experiences for middle school students at Fort Lewis, CSU and MSCD.

Vision and Goals

In keeping with our motto, "15 Months to Highly Qualified," our partnership seeks to support 600 teachers over a five-year period, reaching out to more than 25,000 sixth, seventh, and eighth grade students across Colorado.

Through this project, we expect to increase the number of "highly qualified" middle school math and science teachers, assist teachers to be more "highly effective," change higher education's recruitment and preparation of future math and science teachers, and move toward

statewide endorsements of Specialist in Mathematics and Specialist in Science certification for middle school teachers. Evidence-based outcomes will contribute to our understanding of how students learn math and science most effectively and help reduce achievement gaps in the math and science performance of diverse student populations.

Program Highlights

- The "highly qualified" designation set by No Child Left Behind legislation requires completion of 24 credit hours of specialized math and/or science coursework. "Highly effective" is a goal of RMMSMSP.
- Courses with 4 College of Liberal Arts and Sciences credits are offered every semester — fall, spring, and summer — spring 2005 through summer 2009. Enrollment for credit is mandatory.
- Courses are developed and taught by higher education and school district faculty partners, focusing on the content with pedagogy integrated.
- Structured follow-up throughout the year will provide resources and support for the immediate needs of participating teachers. Courses are 3 credit hours in the School of Education and Human Development. Enrollment for credit is optional.
- A certificate/endorsement program is being developed; coursework will count toward a master's degree.
- Tuition is \$75 per credit hour: partner district participants in the academic year courses will receive a \$1,000 stipend. Partner district participants in the Summer Academy will receive a \$2,000 stipend for each course with \$500 withheld until completion of the Structured Follow-Up (SFU). SFU courses have a \$1,000 stipend.
- Camp and after school experiences are available for partner district middle school students.

RMMSMSP Summer Academy 2006 Schedule

June 2006						
S	M	T	W	Th	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

July 2006						
S	M	T	W	Th	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

Session I: June 5-16

Forces & Motion; Cells, Human Systems, & Heredity; Earth Processes; Geometry; Discovery and Use of the History of Math

Structured Follow-up four Saturdays in the fall plus additional time

Session II: June 19-30

Atoms & Properties of Matter (fall); Light, Color, and Geometrical Optics (fall); Ecology, Biodiversity, & Adaptation (spring); Algebraic Patterns & Functions (fall); Math Modeling (spring)

Structured Follow-up four Saturdays in the spring or fall (as designated) plus additional time

Earth Field Experience — July 3-10, with a field trip to Medicine Bow, WY

Session III: July 12-14, 17-20, 24-26

Interactions of Elements & Compounds Statistics & Probability; Discrete Math; Mathematics of Change
Structured Follow-up four Saturdays in the spring plus additional time

Note: Atoms & Properties of Matter as well as Mathematics of Change will be offered in Spring of 2006. Participants from partner districts will receive a \$1000 stipend and tuition will be \$300 for 4 graduate credits.

For more information and an application, visit <http://rmmsmsp.cudenver.edu>.

