

Application for:
Research Experience for Teachers
Application due Monday, February 1, 2010
Notification of acceptance Monday, March 1, 2010

Please submit your application (online or attached electronically preferred) to
Arianna Stumbaugh-Young, RM-MSMSP Project Coordinator
(arinna.stumbaugh@ucdenver.edu or rmmsmsp.coordinator@ucdenver.edu)

Program Description: For this program, RM-MSMSP will recruit a total of 12 middle-school mathematics teachers and 12 middle-school science teachers primarily from partner districts to participate in a 5-week long intensive summer research experience in the Mathematical Sciences. Tentative dates are June 14-July 16, 2010. Teachers will work alongside faculty and graduate students, participating in research projects in various specializations of the mathematical or physical sciences. As collaborative partners, they will study and design a research project. The RET program will be worth 3 or 4 graduate credits. All teachers will meet on a weekly basis with the RET Leadership Team to debrief their work and discuss how their work potentially relates to the middle school classroom (communication, technical reading, proof skills, mathematical research, leveling content/and research methods to middle school and other instructional issues).

Internship Outcomes: The internships are designed to increase the scientific/mathematical knowledge base of the participating teachers while providing hands-on experience in inquiry-based research. Teachers will:

- Experience the steps involved in scientific/mathematical process and discovery.
- Explore the experimental control and its purpose in each set of experiments.
- Participate in scaffolded activities that provide the right level of support that teachers need to conduct each phase of the procedures involved in research.
- Gain increasing levels of responsibility for research procedures, until they are able to perform the procedures independently.

Internship Assessment:

- Maintain a science laboratory notebook throughout the internships that documents the process through the science writing heuristic, new understandings, and reflections of readings and seminars.
- The evaluator on the grant, The Evaluation Center, School of Education and Human Development, University of Colorado Denver, will conduct some interviews throughout the year, will do classroom observations, and administer

some other types of evaluation tools. You will be asked to sign a consent form for these various tools in order to be included in the internship program.

- Present the results of the experiment, the conclusions supported by these results, and the next logical step in the research investigation.

Application Requirements:

- Submit Application Cover Sheet (next page)
- Submit Current Resume' and relevant university transcripts (including at least four RM content courses)
- Letter of interest describing the following:
 - What is your motivation for applying?
 - What do you hope to gain by participating in this summer research project?
 - How do you anticipate that you will apply this experience into classroom instruction; for you and your students?
 - How do you plan to share your learning with colleagues in your building?
In the district?
 - What are your leadership strengths and experiences?
- Support letter from a previous RM-MSMSP content course instructor including comments on your letter of interest. (contact list attached)
- District Approval (contact list attached)

Research Experience for Teachers Application Cover Sheet
Rocky Mountain Middle School Math & Science Partnership Grant

Teacher Name _____

School & District _____

Grade _____

Research area of interest _____

2008-2009 RM-MSMSP Instructors

Math

Name	Email	Work Phone	Courses Taught
Jim Bartuska	jbartusk@jeffco.k12.co.us	303-892-5677	MATH 5005 & 5006
Lynn Bennethum	Lynn.Bennethum@ucdenver.edu	303-556-4810	MATH 5009 & 5011
RaKissa Cribari	Rakissa.Cribari@ucdenver.edu	303-556-4809	MATH 5004
Steve Culpepper	Steve.culpepper@ucdenver.edu	303-556-8461	MATH 5004
Michael Ferrara	Michael.Ferrara@ucdenver.edu	303-556-8460	MATH 5006
Jim Ernst	jernst48@hotmail.com		MATH 5000
Don Gilmore	gilmored@mscd.edu	303-556-5314	MATH 5005
Erich Gott	egott@cherrycreekschools.org	720-886-1232	MATH 5000 & 5007
Michael Jacobson	Michael.Jacobson@ucdenver.edu	303-556-6270	MATH 5007
Angela Harris	Angela.Harris@ucdenver.edu	303-556-3075	MATH 5007
Judy Hicks	jhicks5824@comcast.net		MATH 5005
Nate Kurtz	Nathan.Kurtz@ucdenver.edu	303-556-8102	MATH 5002
Jim Loats	loatsj@mscd.edu	303-556-3109	MATH 5008
Gary Olson	Gary.Olson@ucdenver.edu	303-556-3487	MATH 5000 & 5002 & 5004
Bertha Orona	berthafidel@msn.com		MATH 5005
Bruce MacMillan	bmacmillan@math.arizona.edu	520-621-6866	MATH 5000 & 5006
Ron Rorrer	Ronald.Rorrer@ucdenver.edu	303-556-2553	MATH 5011
Tony Russo	arusso@cherrycreekschools.org	720-886-1241	MATH 5009
Carmen Rubino	mscrubino@yahoo.com		MATH 5008
Dennis Shepherd	dennis shepherd@comcast.net		MATH 5000

Science

Name	Email	Work Phone	Courses Taught
Chad Barworth	chadbarworth@msn.com		BIOL 5003
Grant Denn	gdenn@mscd.edu	303-556-2576	PHYS 5101 & 5102
Tod Duncan	Tod.Duncan@ucdenver.edu	303-352-3664	BIOL 5003
Sharon Johnson	sharon852@earthlink.net		CHEM 5071 & 5072
Doris Kimbrough	Doris.Kimbrough@ucdenver.edu	303-556-4813	CHEM 5071 & 5072
Richard Krantz	krantzr@mscd.edu	303 556-8560	PHYS 5103
Erika Matteo	erikamatteo@hotmail.com		GEOL 5003
Derrick McNeill	DERRICK_MCNEILL@dpsk12.org	720-423-8600	PHYS 5103
Linda Morris	Linda_Morris@dpsk12.org	720-423-3710	BIOL 5001 & 5002
Kristen Nein	Klucke77@hotmail.com		GEOL 5003
Steve Owens	steve.owens@adams12.org	720-972-4622	GEOL 5001
Jim Platt	jplatt@du.edu	720-871-3694	BIOL 5001 & 5002
Chris Renda	car@timemarkllc.com		GEOL 5001

Scott Wallace	scott_wallace@englewood.k12.co.us	303-781-7751	CHEM 5071 & 5072
Bryan Wee	Bryan.We@ucdenver.edu	303-315-4992	BIOL 5003

RM-MSMSP District Contacts

Adams County 14 Public Schools:

Lara Eddy
 5291 E. 60th Avenue
 Commerce City, CO 80022
 303-853-3233
leddy@acsd14.k12.co.us

Brighton Public Schools:

Cynthia Ritter
 18551 E. 160th Avenue
 Brighton, CO 80601
 303-655-2961
critter@brightonps27j.k12.co.us

Elizabeth Public Schools:

Andrea Duran, Educational Services
 Coordinator
 P.O.Box 610
 634 S. Elbert St.
 Elizabeth, CO 80107
 303-646-1853
ADuran@esdk12.org

Englewood Public Schools:

Scott Wallace
 300 W. Chenango Ave.
 Englewood, CO 80110
 303-761-1226
Scott_wallace@englewood.k12.co.us

Gilpin County Public Schools:

Alexis Donaldson
 10595 Hwy 119
 Black Hawk, CO 80403
 303-582-3444
donaldsona@gilpin.k12.co.us

Jefferson County Public Schools:

Gwen Stroup
 1829 Denver West Dr.
 Bldg #27
 Golden, CO 80401
 303-982-1330
gstroup@jeffco.k12.co.us

Mapleton

Jackie Kapushion
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 Denver, CO 80229
 303-853-1031
kapushionj@mapleton.us