

Volume 1, Issue 2

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In this Issue

1. Student Research EXPO

Teacher RSVP (by 1/25)
<https://forms.gle/5zpMe3vKXn3q56Vq8>

Lunch & Parking Pass RSVP
families, too!
<https://forms.gle/LM6mmAJ9LDMTfcVT6>

2. Teacher Stipends for
Assisting Education Research

3. Classroom Visits from
Scientists and Undergraduate
Science Students

4. Teacher Field Camp in New
Mexico



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MULTI Newsletter

A Community Approach to Engaging Students
and Teachers in Effective STEM Education

***MULTI STEM Student Research Showcase
Saturday, February 8, 2020; 9am – Noon
Auraria Campus, Science Building, 2nd Floor***

We are excited that we have arranged to include live remote PARTICIPATION via ZOOM. We'll also have a recorded version of the event that we can share once we've sorted out photo release requirement issues. Teachers with students presenting will receive a \$250 stipend. Teachers with participating non-presenting students will also receive a stipend. We would like interested teachers to [RSVP](#) with some general information, including an approximate number of students and presentation projects by **January 25**.

8:30 – 9:00 Check-in and Set up

Light Refreshments available. Let us know if you need a table to set up an exhibit. (We can also print out a research poster up to 36"x48" if you request it by Tuesday February 4).

9:00- 10:00 Student STEM Showcase

Students share with what they are doing in their science classroom in the form of a demo, poster, exhibit of collected data, and/or other style of presentation. Each student or student group will give a 5-minute presentation for a mixed group of about 25 (K-12 students, college students, teachers).

10:00 – 11:00 College STEM Research Showcase

College students from Metropolitan State University of Denver and Community College of Denver share their field research in earth and environmental sciences. Ask student clubs about their activities.

11:00 – 12:00 MULTI STEM EXPO and Lunch

Local science organizations (e.g. Denver Public Library, Denver Zoo, Denver Museum of Nature and Science, Denver Water) . Free lunch and door prizes for participating teachers and students. Family members need to RSVP for lunch and parking passes.

Upcoming Events

Feb. 8

Student Research Showcase
Grades K-12
Auraria Campus, Denver
Virtual Participants Welcome

March 10

Projects due for GLOBE
International Virtual
Science Symposium (IVSS)
Grades K-12

May 15-17

GLOBE Southwest Regional
Science Symposium (SRS)
Austin, Texas
Travel Funding Available
Deadline in March

July 13-17

Teacher Field Camp
Rio Mora National Wildlife
Refuge, New Mexico

Participant costs are covered
by the MULTI project, and
participating teachers receive
a stipend.

Applications will be available
in late February with a
probable application deadline
in April.



Rio Mora National Wildlife
Refuge (near Las Vegas, NM)

The MULTI STEM SRS (Student Research Showcase) could be an opportunity for students to present their research projects using data they have collected. If they have used GLOBE protocols, they can present their data for the [GLOBE International Virtual Science Symposium \(IVSS\)](#) and the [GLOBE Regional SRS](#) (travel grants available for 2020 Southwest Region symposium in May in Austin, Texas).

Teachers Stipends for Education Research

MULTI has been supported through a National Science Foundation grant. A crucial aspect of the grant has been exploring successful approaches in STEM classroom implementation and teacher professional development. We are offering many opportunities for teachers to contribute to this effort. This includes stipends for sharing your experiences through surveys and interviews in addition to participation in Watercoolers, Student Research Symposia, and for submitting data to the GLOBE database. We'd love to hear from you about your experiences with hands-on activities using GLOBE data and incorporating the "focal student" approach.

Classroom Visits from Scientists

Participants at our MULTI Summer Institutes may recall hearing from Community College of Denver students about their research at Rio Mora National Wildlife Refuge. Several students have been visiting schools to share their research experiences and assist students with field data collection and research methods. STEM majors from Metro State University are also available for school visits. We also are supporting scientists from various informal science education organizations to share their expertise and exciting programs. These groups have partnered with us for STEM Expo events we have sponsored. Let us know of your interest and we can help find groups that meet your needs.

MULTI Teacher Field Camp in July

After 3 years of the MULTI Summer Institute in Denver, we are doing something different this summer! During the week of July 13-17, we will be leading field investigations at the Rio Mora National Wildlife Refuge in Northern New Mexico. This is a great opportunity to learn field methods and interact with field biologists and MULTI faculty and students. Look for an announcement soon for how Colorado and New Mexico teachers can apply for this opportunity.