

Teaching Fellowships in K-12 Education
Professor Kathleen M. Scott, Program Director
GRADUATE STUDENT APPLICATION PACKET
Program Co-Directors

Michael Carr, Department of Geological Sciences
Warren Crown, Department of Learning & Teaching, GSE

Jolie Cizewski, Department of Physics & Astronomy
Joseph Rosenstein, Department of Mathematics

Overview

This program builds a learning community in science, technology, engineering, and mathematics (STEM) by establishing educational partnerships involving Rutgers University and local school districts. Through their year long collaborations with teachers, Rutgers graduate STEM students (referred to as “fellows”) will bring the excitement of contemporary science and mathematics research into the classroom, and enrich science and mathematics programs in middle schools.

Highlights

- ◆ Welcoming Convocation in early summer, 2008.
- ◆ Teams begin their work during a two week Summer Institute - July 7 through July 18, 2008.
- ◆ Academic year-long (September 1, 2008 through June 30, 2009) activities in the schools. Fellows are expected to work 15 hours each week during the academic year including:
 - *at least* 10 hours working in the schools and/or on the Rutgers Science Explorer (Bus).
 - 5 hours working at Rutgers. Attendance at weekly meetings is required.

Support for Graduate Student Fellows

- ◆ Year long fellowship of \$30,000 for graduate students.
- ◆ Tuition remission for graduate students.
- ◆ Standard mileage reimbursement for travel between the University and the schools.

Eligibility Guidelines

- ◆ Open to graduate STEM students at Rutgers University, New Brunswick Campus.
- ◆ Graduate students must be enrolled in STEM programs at Rutgers University. Preference will be given to those who have advanced to candidacy.
- ◆ Fellows must be citizens, nationals or permanent residents of the United States.

Application Timeline

- ◆ Deadline to submit an application is **Wednesday, April 16, 2008**.
- ◆ Candidates will be interviewed during the months of April and May 2008.
- ◆ Notification of acceptance will be made by Wednesday, May 21, 2008.

Funding provided by:



National Science Foundation

Sponsored by:



Center for Mathematics, Science & Computer Education

for further information and program updates, visit GK12 Fellows at:
<http://mslc.rutgers.edu>

Teaching Fellowships in K-12 Education

**Graduate Student
APPLICATION FORM**

Name: _____
last first middle

1. Student Number _____

2. Former Last Name: _____

3. Permanent Address:

_____ street apt. #

_____ city state zip

4. Local Address (if different from Permanent Address):

_____ street apt. #

_____ city state zip

Local Telephone Number: _____

Cell Phone Number: _____

Personal E-Mail Address: _____

5. Rutgers University Campus Address:

_____ department division

_____ building room number campus

6. Department Telephone Number: _____

University E-Mail Address: _____

7. Best Way to Reach You: _____ Local Phone Number _____ Cell Phone Number
_____ Email (which one?) _____ Other (please indicate)

Name: _____
last first middle

12. List all fellowships, scholarships, teaching and employment (relevant to your field or this application) held since entering college/university:

Title/Position (most recent first)	Institution/Organization	Dates (mm/yyyy)

Academic Honors: _____

Name: _____
last first middle

Please respond to the following. Attach additional sheets as necessary.

14. In which content area would you like to focus your efforts?

_____ Mathematics _____ Earth Science _____ Physical Science
_____ Life Sciences _____ Other (please specify) _____

Within this content area, identify several specific topics that you would like to develop for middle/junior high school students (typically, grades 6 through 9).

15. If you are selected for this program, you will be working as a member of a team made up of yourself and two middle school teachers. Your team will partner with another team, and collaborate on developing, sharing, and presenting activities. Together you will plan and introduce new mathematics and science content to middle school students. You will also have the opportunity to present activities on the Rutgers Science Explorer Bus, a 40-foot long, mobile science laboratory. Explain how and why your experiences and interests will make you an effective team member and presenter.

16. How do you anticipate benefiting from this experience?

17. Include here any additional information that will distinguish your application (such as teaching experience, information from student surveys, internships, honors, publications, etc.). You may include your *curriculum vitae*.

Include in your application:

1. An official transcript.

2. A letter of reference. Descriptions should include significant accomplishments, contributions, and any qualities related to scholarly achievements and/or teaching effectiveness (or potential teaching effectiveness).

3. Endorsement page from this application (page 5) signed by yourself, your major research thesis advisor and your graduate program director, acknowledging your anticipated participation in all aspects of this program, including the summer Institute and academic year activities (July 1, 2008 – June 30, 2009).

Send completed applications to:

Dr. Kathleen Scott, Program Director
M.S.L.C. – Rutgers University
ARC Building, 3rd floor, Busch Campus
618 Allison Road
Piscataway, NJ 08854
(732) 445 - 3123
scott@biology.rutgers.edu

For additional information, contact:

Sue Coletta, Sr.Science Ed. Specialist
C.M.S.C.E. – Rutgers University
SERC Building, Rm. 236, Busch Campus
118 Frelinghuysen Avenue
Piscataway, NJ 08854
(732) 445 - 2038 or (732) 445 – 3531
coletta@waksman.rutgers.edu

Name: _____
last first middle

ENDORSEMENT PAGE

I acknowledge this application of _____
student name (please print)

a graduate student at Rutgers University (NB campus), for consideration in the 2008 NSF Teaching Fellowships in K-12 Education Program. I understand that if selected, s/he is expected to participate in all aspects of this program beginning with the Welcoming Convocation in early summer, 2008 and the two-week summer Institute (July 7 - July 18, 2008). During the academic year (September 1, 2008 - June 30, 2009) s/he is expected to devote 15 hours each week working on the program: *at least* 10 hours working in a middle school and/or on the Rutgers Science Explorer (Bus) and 5 hours working at the University.

graduate student signature DATE _____

name of major research thesis advisor (please print)

signature of major research thesis advisor DATE _____

name of graduate program director (please print)

signature of graduate program director DATE _____

RUTGERS
THE STATE UNIVERSITY of NEW JERSEY

Teaching Fellowships in K-12 Education
Track II

Professor Kathleen M. Scott, Program Director

Sponsored by
Rutgers University
Center for Mathematics, Science and Computer Education

Support provided by
National Science Foundation
&
Rutgers University

Funding agencies frequently request information on the backgrounds of participants. All information is confidential will be used for statistical purposes only. Completion of this form and submitting it is optional.

1. Gender: male female

2. Place an "X" on the appropriate line that best describes your group (choose only one):

<input type="checkbox"/> Alaska Native (Eskimo or Aleut)	<input type="checkbox"/> White (not of Hispanic origin)
<input type="checkbox"/> American Indian	<input type="checkbox"/> Mexican American
<input type="checkbox"/> Asian American	<input type="checkbox"/> Puerto Rican
<input type="checkbox"/> Pacific Islander (Micronesian or Polynesian)	<input type="checkbox"/> Cuban American
<input type="checkbox"/> Black or African American (not of Hispanic Origin)	<input type="checkbox"/> Hispanic (not listed above)

3. Do you have a disability, such as a visual impairment, hearing impairment, or motor impairment, that limits a major life activity?

no yes If yes, please specify: