

SUMMER TEACHING POSITIONS

With the Regional Math/Science Center Frostburg State University

Who:

Science Teachers: The RMSC is currently recruiting dynamic Science teachers to work with the center staff on developing a curriculum that will engage our high school aged students in a variety of environmental science projects; guiding them through the process of the scientific method, writing a scientific paper, and presenting their own research findings. The teachers will then implement the projects over the six-week summer program at Frostburg State University. It is a challenging and rewarding teaching opportunity.

English Teachers: The RMSC is currently recruiting enthusiastic English teachers to work with our high school aged students as they prepare presentations of their scientific investigations. The teachers will assist students in the writing of their reports, development of their power point presentations and preparation for their final oral presentations.

Mathematics Teachers: The RMSC is currently recruiting energetic Mathematics teachers for our summer program. We are looking for Algebra, Geometry, Trigonometry and Pre-Calculus teachers.

What: The *FSU Regional Math/Science Center* is a federally funded Department of Education Upward Bound program designed to help low-income, potential first generation college students achieve their goals of attaining a college degree, specifically in the fields of math and science. Participants in the program attend a six-week summer session on the campus of FSU. The RMSC strives to develop exciting hands-on projects that are relevant to modern life.

When: *June 15 to July 31, 2009 (includes one week of training)*
(Curriculum development takes place throughout the spring semester)

How: If you're interested give us a call, send us an email or stop in to talk with us.

Rita Hegeman or Angie Burns
Regional Math/Science Center
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Frostburg, MD 21532
1-800-646-6004 or 301-687-4295
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Visit our website: www.frostburg.edu/clife/mscenter (for more details)

Info for interested candidates:

Dates: June 21 to July 31

Staff training is week of June 15.

How it works:

- RSMC serves approximately 50 High School students each summer
- Students are divided into three science project groups each summer
 - ~ 15 to 20 students per group
 - Mixed ability levels
 - Mixed ages and grade levels (although rising 9th graders form one group and they are only here for 3 weeks)
- Science Projects:
 - Must be hands-on
 - Typically are based in environmental science
 - Go from beginning to end
 - Background research/readings
 - Develop hypothesis
 - Develop method to test hypothesis
 - Collect and analyze data
 - Draw conclusions
 - Students present their investigation in written and in oral form
 - Each student writes individual paper and during last week each project group compiles one group paper to be given to a panel of scientists
- Teacher responsibilities:
 - Develop project prior to start of summer
 - Assist students in the development of the project (we want students developing the project – not just being told what to do next...)
 - Assist students in the writing of their scientific papers
 - Grade papers throughout the summer using our rubric
 - Provide feedback to students and make sure they are making revisions based on feedback
 - Assist student in preparing their weekly and final oral presentations
- Schedule:
 - Week #1 – introductions and background investigations
 - Week #2 – develop methods section and write intro & methods sections of papers
 - Week #3 – data collection and revision of intro & methods
 - Week #4 – data collection & analysis and revision of intro & methods
 - Week #5 – draw conclusions & finalize individual papers (a lot of writing & revising)
 - Week #6 – compile group papers and work on group presentation