TEACHING POSITIONS
With The
Regional Math/Science Center

Frostburg State University

Summer Program 2013

Frostburg State University Seeks Teachers For A Six Week Summer Program Designed To Encourage & Motivate Qualified High School Students To Pursue Post Secondary Education & To Develop Skills & Attitudes Essential For Success Beyond High School.

POSITION DESCRIPTIONS:

- **Science Teachers-** The RMSC is currently recruiting dynamic Science teachers that will engage our high school aged students in a variety of science projects. Teachers will guide them through the process of the scientific method, writing a scientific paper, and presenting their own research findings. The teachers will work closely with the RMSC staff throughout the spring to develop science projects and then implement the projects over a 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 of 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.

DATES: June 10 - July 26, 2013 includes a six-week program and one training week.

(Curriculum development takes place throughout the spring semester)

SALARY: $18 - $20.00 per hour for in-class instruction. (Salary commensurate upon experience)

FOR MORE INFORMATION: www.frostburg.edu/clife/mscenter or 1-800-646-6004

TO APPLY: Send a letter of interest; resume; and names, addresses, and telephone number(s) of three professional references to the address below. If you have questions free to give us a call, send us an email or stop in to talk with us.

Regional Math/Science Center
101 Braddock Road
Frostburg State University
Frostburg, MD 21532

OR

Rita Hegeman:
rhegeman@frostburg.edu

DEADLINE: Application review and scheduling of interviews will begin in January and continue until all positions are filled. You are encouraged to submit your application early.

Info for interested science teacher candidates:

- Dates: June 10 to July 26
- Science Projects
  - One 3-week project designed for rising 9th grade students
  - Two 5-week projects designed for rising 10th-12th grade students
  - Hands-on
  - Typically based in environmental science, but other project ideas are welcomed
  - Go from beginning to end
    - Research background materials (readings and studies)
    - Develop hypothesis
    - Develop method to test hypothesis
    - Collect and analyze data
    - Draw conclusions
  - Presented to panel of scientists at end of summer in written and in oral form
    - Group paper compiled during final week
      - throughout summer students develop their individual papers
      - individual papers used to compile group paper
      - individual papers are scored using a rubric at the end of the summer
    - Power point presentation
- Student Groups
  - ~15 to 20 students per science project group
  - Mixed abilities
  - 5-week projects - are mixed (10th, 11th & 12th graders can all be in same group)
- Teacher Responsibilities
  - Develop project and paper outline 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 students in preparing their weekly and final oral presentations
- Schedule:
  - Spring
    - Develop project in conjunction with RMSC staff
    - Project must be fully developed prior to staff training
  - Staff Training
    - Typically 3 or 4 days of training (Thursday, Friday, Monday & Tuesday)
    - One day dedicated to presenting science projects to other staff members
  - Senior Week- (Wednesday, Thursday & Friday following training week)
    - TBD
  - Week #1 – background investigations, write intro sections of paper and develop methods
  - Week #2 – write methods sections, collect data and revise intro & methods
  - Week #3 – collect & analyze data and revise intro & methods
  - Week #4 – draw conclusions & finalize individual papers (a lot of writing & revising)
  - Week #5– compile group papers and work on group presentation

About the Regional Math/Science Center

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 college degrees, specifically in the fields of math and science. Participants in the program attend a multi-week summer session on the campus of FSU where they are engaged in a scientific research project. The RMSC strives to develop exciting hands-on projects that are relevant to modern life.

While working on these projects the practical use of the scientific method is emphasized. Students must develop testable hypotheses, help design the study, collect the data needed, analyze the data, draw conclusions based on the data collected and finally present their study in both oral and written form. Students learn about peer review as they present their study progress each week to the other students in the program. They also learn to use the computer for data analysis, for data processing their formal report, and for developing a power point presentation that is presented to a panel of scientists and an audience of parents, university and public officials.

While at FSU students also participate in a variety of activities designed to promote strong study skills and positive social behaviors, as well as activities that provide recreational and cultural experiences.

FSU Is An AA/EOE. Appropriate Auxiliary Aids & Services For Qualified Individuals W/Disability Will Be Provided Upon Request. Please Notify In Advance. WWW.FROSTBURG.EDU