High School Teachers of Mathematics
North Carolina High Schools

Dear Colleagues,

Thanks to a generous TENSOR grant from the Mathematical Association of America, the women mathematicians and statistician in the Mathematical Sciences Department at Appalachian have received funding to hold our third annual workshop to show high school girls that women can and do study interesting and fun problems in mathematics and statistics.

**We would like to invite you to apply to bring a team of up to five female students (preferably freshmen or sophomores) to Appalachian for a one-day workshop on Saturday, September 29, 2007.**

There is concern in many quarters that women are not succeeding in the mathematics community at the expected rate. We hope to foster mathematical confidence by providing students with mathematically rich teamwork and mentoring experiences. This year we are trying to target freshman and sophomore girls, since studies have shown that it is at that level which programs like this can make the most difference. We do recognize that an interest in learning more mathematics appears in both students who have and who have not been successful in all their mathematics classes. Thus, we invite you to bring students who have excelled in mathematics and/or have an interest in mathematics.

Joining us for the day will be undergraduate math majors, to provide plenty of opportunities for your students to work with mentors and role models. After learning about and doing some fun mathematics, teams will be shown a variety of interesting problems and will be given a chance to focus on and present ideas about one problem in the afternoon. The workshop will run from 9:00 am until 4:00 pm, in the Plemmons Student Union on Appalachian’s campus (see schedule below).

- 9:00-9:30 - Check in and refreshments, Plemmons Student Union
- 9:30-11:30 - Mathematics in medical imaging, small group work
- 11:30-1:00 - Campus walk and lunch
- 1:00-3:30 - Problem solving in mathematics, group work, careers in mathematics
- 3:30-4:00 - Faculty research and closing


Women in Mathematics—
A vertically integrated mathematics workshop
Lunch and snacks will be provided along with a travel reimbursement for those who live outside of Boone, and also a $100 stipend will be given to every participating teacher.

As a teacher to a participating team you will be committing to participating in one full day of mathematical fun, encouraging your students to engage in conversations about mathematics, how we study and use mathematics and about women in mathematics.

We hope you will consider bringing a team! **Applications are due by Friday, September 14th.** Teams are selected on a first come, first served basis. We have room for only 5 teams.

Please contact **Katie Mawhinney** by email at mawhinneykj@appstate.edu or call 828-262-4024 with questions. The application process is easy. Return the form that came with this letter by mailing to **Attention: Katie Mawhinney**

Mathematical Sciences  
121 Bodenheimer Dr.  
Boone, NC 28608,  

- using the online web fill-in form at  
  http://www.mathsci.appstate.edu/Student/WIM/ ,  
  or  
  - emailing a copy of the form to Katie at mawhinneykj@appstate.edu.

Sincerely,

Sarah Greenwald, Geometry  
Vicky Klima, Algebra  
Katie Mawhinney, Topology  
Trina Palmer, Computer Image Restoration  
Jill Thomley, Statistics

http://www.mathsci.appstate.edu/Student/WIM/
Women in Mathematics Workshop Application Form

Teacher’s Name: ______________________
Teacher’s Email: ______________________

School Name and Address: ______________________
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__________________________________
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Student Name: _______________________
Current Math Course: _________________

Student Name: _______________________
Current Math Course: _________________

Student Name: _______________________
Current Math Course: _________________

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Student Name: _______________________
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In the space below, please summarize your students’ interest level in mathematics.