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sented Minority Mathematics
Achievement



Grand Prize

Problem Solving Contest

TI-83 Calculator

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Free & Fun

*Mathematics Day
for High School Girls
at Worcester State College*



**Mathematics Department,
Worcester State College**

**[http://www.worcester.edu/
MathDept/default.aspx](http://www.worcester.edu/MathDept/default.aspx)**

**Saturday, September 26th
9:15 a.m. ~ 3:30 p.m.**

Schedule of Events

9:15-9:40 a.m.

Registration and Surveys

Hallway between 102 and 104
Sullivan Academic Center

9:45-9:55 a.m.

Welcome & Opening Address

Dr. Richard Bisk
Mathematics Department Chair

10:00-10:45 a.m.

Four concurrent hands-on sessions

Knots, Donuts and Coffee Mugs: Before the Topologist Comes

We will use play-dough, paper, and string
to learn about topology.

Secret Codes: Introduction to Cryptology

We will send and decipher secret messages using substitution, transposition, and product ciphers.

Introduction to Material Science

We learn how mathematics and science work together to develop new materials.

Problem Solving Session: Solve problems in groups to win cool prizes.

10:50-11:15 a.m.

Campus Tour

11:20 a.m.-12:05 p.m.

Four concurrent hands-on sessions

(Knots, Secret Codes, Material Science,
Problem Solving)

12:15-1:15 p.m.

Lunch

with

"Do Women Do Mathematics"

Dr. Maria Fung

"Careers for Women that Use Mathematics"

Ms. Eileen Perez

1:29-2:05 p.m.

Four concurrent hands-on sessions

(Knots, Secret Codes, Material Science,
Problem Solving)

Resource Session for Teachers

Introduction to Visual Algebra
Sullivan 143

2:10-2:55 p.m.

Four concurrent hands-on sessions

(Knots, Secret Codes, Material Science,
Problem Solving)

3:00-3:30 p.m.

**Snack, Contest Results, Evaluations,
Mentoring Plans and
Door Prizes Awarded**

Registration Form

Deadline September 23rd, 2009

Name: _____

Grade: _____

School: _____

Teacher's Name: _____

Home Address: _____

Phone: _____

Email: _____

Contact person, in case of emergency:

Dietary Restrictions: _____

Register soon—space is limited!

Call 508-929-8912, e-mail Marie

Velez at mvelez@worchester.edu or

return application to:

Mathematics Department
Worcester State College
486 Chandler Street
Worcester, MA 01602