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Western Oregon  
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## *Grand Prizes*

*Problem Solving Contest  
\$500 WOU Scholarships  
Provided by  
WOU Admissions*

## *Big Door Prize*

*T9-84 Silver Edition  
Graphing Calculator*

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## *math learning center*

Contact the Math Learning Center at:  
800-575-8130  
PO Box 12929  
Salem, OR 97309-0929



# *Sonia Kovalevsky Mathematics Day*

*for High School Girls*



*Mathematics Department  
Western Oregon University*

*[www.wou.edu/math/sk](http://www.wou.edu/math/sk)*

*Saturday, April 08, 2006  
8:45 a.m. ~ 4:30 p.m.*

# Schedule of Events

**8:45-9:15 a.m.**

## **Registration**

Columbia Room

Werner University Center

**9:15-9:35 a.m.**

## **Welcome & Opening Address**

Dr. Laurie Burton

Mathematics Department Chair

Dr. Stephen Scheck

Dean of Liberal Arts & Sciences

**9:45-10:35 a.m.**

## **Four concurrent hands-on sessions**

**Map Coloring and Wheels:** Students will learn how to properly color maps and how an "odd wheel" influences the process.

**Math Games:** Participants will play a variety of intriguing probability games. Girls will discover some fascinating concepts and applications of the theory of probability.

**Su Doku:** In this session, you will learn to use rules of logic to help you master the popular Su Doku puzzles.

**Making and Breaking Secret Codes:** Learn how to trade secret messages with your friends, and decipher our clues to find a hidden surprise and secrets from the past.

**10:35-10:55 a.m.**

## **Snack**

**11:00-11:50 a.m.**

## **Four concurrent hands-on sessions**

(repeated from above)

**12:00-1:00 p.m.**

## **Lunch**

*accompanied by*

## **Who is Sonia Kovalevsky?**

Dr. Maria Fung

## **What's an Environmental Engineer?**

Jessica Kruczek

## **Careers at Sandia Labs**

Dr. Cheryl Beaver

**1:00-1:50 p.m.**

## **Four concurrent hands-on sessions Resource Session for Teachers**

**2:00-3:00 p.m.**

## **Problem Solving Contest**

4 Grand prizes: \$500 WOU Scholarships

**3:05-3:55 p.m.**

## **Four concurrent hands-on sessions**

**4:00-4:30 p.m.**

## **Problem Solving Contest & Door Prizes Awarded**

## **Information & Directions**

[www.wou.edu/math/sk](http://www.wou.edu/math/sk)

## **Mathematics Department**

503-838-8465

[www.wou.edu/math](http://www.wou.edu/math)

# Registration Form

*Due March 24, 2006*

Name: \_\_\_\_\_

Grade: \_\_\_\_\_

School: \_\_\_\_\_

Teacher's Name: \_\_\_\_\_

Home Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Contact person, in case of emergency:

\_\_\_\_\_

Dietary Restrictions: \_\_\_\_\_

\_\_\_\_\_

*Register Soon—Space is limited!*

Please return application to:

Department of Mathematics

Western Oregon University

345 N. Monmouth Avenue

Monmouth, OR 97361