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Map to Conference located at
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19th Annual
Expanding Your Horizons
through Math, Science, and Technology

A career exploration conference for 5th to 10th grade
young women, their parents and educators

Saturday, January 31, 2009
Illinois State University

Conference Highlights

- * Hands-on Workshops
- * Interesting Displays
- * Guest Speakers
- * Chance to network
- * Q&A session for parents and educators
- * Meet professional women in varied careers
- * Exciting Exhibits
- * Mystery Women Contest
- * Door Prizes

Our goal is a fun day to explore careers
and discover your interests



Keynote Speaker



Emily Riehl has liked solving puzzles for as long as she can remember, particularly if they involved logic. When she was a student at University High School in Normal, she realized that she could spend all her time solving problems with logic if she became a mathematician. Mathematics has taken her many places - from Boston to Cambridge,

England to Chicago and even to the National Security Agency - which is pretty incredible because mathematics can be done absolutely anywhere with only a few tools: pens, paper, and ideally a good chalkboard. Emily plans to speak a bit about what it is like to be a mathematician and then give some surprising examples of what counts as pure mathematics relating to art, politics, the Rubik's cube, and some cool facts about the integers that everyone should have a chance to learn.

Emily Riehl graduated from University High School in Normal in 2002. As a high school student, she was an avid participant in various science and mathematics competitions and finished 3rd in the Intel Science Talent Search. She graduated from Harvard University in 2006 with a degree in mathematics. Afterwards, she spent a year at the University of Cambridge on a Churchill Scholarship, where she earned a distinction in Part III of the Maths Tripos in 2007. Emily is currently a Ph.D. student at the University of Chicago, supported by the National Science Foundation's Graduate Research Fellowship. Her main research interests are in Category Theory, a discipline in which "abstract nonsense" is a technical term. In her spare time, Emily enjoys playing rugby and various other sports and the viola and various other musical instruments.

Event Schedule

Time	Activity/Location
8:45-9:30 AM.....	Check-In and Displays (Bone Student Center Ballroom)
9:30-10:00 AM	Opening Ceremonies (Bone Student Center Ballroom)
Welcome & Keynote Speaker: Ms. Emily Riehl	
10:20-11:10 AM.....	Workshop I (Various locations on campus)
11:25-12:15 PM.....	Workshop II (Various locations on campus)
12:30-1:30 PM.....	Interactive Displays, Mystery Women Contest and Lunch (Bone Student Center Ballroom)
Displays: Representatives specializing in medicine, manufacturing, telecommunications, insurance, space exploration, computers, forensic science and other exciting fields will be here to answer your questions.	
Mystery Women Contest: Ask women questions about how they use mathematics, technology and science in their careers and then identify their occupations to win prizes.	
1:45-2:35 PM.....	Workshop III (Various locations on campus)
2:50-3:30 PM.....	Closing Ceremonies (Bone Student Center Ballroom)

2009 EYH Registration Form

*Forms may be duplicated or downloaded from www.eyh.ilstu.edu
One form per participant please (please print)

Check one: Student Parent Educator
 Chaperone Pre-service Teacher

Name _____

Home Address _____

City _____ State _____ Zip Code _____

Telephone (_____) _____

Email _____

School Name & Town _____

Special Needs _____

Chaperone's Name (if student is part of a group of 8 or more students):

Parents, Educators, Chaperones, Pre-service Teachers Only:
Workshop Category Letter and Title:

- 1) _____
2) _____

I give permission and consent to *Expanding Your Horizons Conference* to include my and/or my child's photograph and/or name in multi-media materials created about the *Expanding Your Horizons Conference* without compensation.

(Parent/Guardian Signature)

Please send \$25 registration fee for **each** participant **by check** made out to the EYH Conference. Mail the **check(s)** and registration form(s) by **January 12, 2009** to:

Expanding Your Horizons Conference
Illinois State University
Campus Box 4520
Normal, IL 61790-4520

Late registrations will be accepted only if space is available.