

W09 Let's Make Slime!
Fun chemistry experiments. *Noella Teele, student, Mills College*

W10 Colorful Chemistry
Come explore some colorful and edible chemical reactions. *ISP-women in chemistry at UC Berkeley*

W11 Carpentry for Beginners
Learn to make a simple bookshelf. *Elizabeth Potter, Professor, Women's Studies Program, Mills College*

W12 Solar Astronomy: Secrets of the Sun
Discover sunspots, measure the sun, and build a pinhole camera for safe solar and eclipse viewing. *Jennifer Hoffman, graduate student, UC Berkeley*

W13 Plants Have Genes Too!
Learn how to isolate DNA from plants. *Sheila McCormick, Professor, UC Berkeley*

W14 Origami Stars
Boxes, stars, globes—the mathematics of wondrous shapes. *Sharlene Coleman, Patty Enriquez, Lydia Mann, Mills College alumnae; Alma Enriquez, student, St. Elizabeth High School*

W15 Let's Make Sharks Jealous!
What it takes to keep teeth clean! *Esther Lopez, D.D.S., Dentist, California Pacific Medical Center*

W16 Careers in Health: The Healing Touch
Career discussion panel: *Cheryl Saxton, D.C., Chiropractor; Elvia Villanueva, Chiropractic Assistant; Lana Renfroe, Massage Therapist and Mills graduate student, all with Advance Health Chiropractic and Rehabilitation*

W17 Careers in Medicine: Caring for Women, Caring for Eyes
Career discussion panel: *Judith Lamberti, M.D., Ob/Gyn, Kaiser Oakland; Rachel Hartshorn, M.D., Ob/Gyn, Kaiser Oakland; Ra-Chel Jordan-Moore, M.D., Ophthalmologist, Kaiser Richmond*

W18 Careers in Medicine: Caring for Humans and Animals
Career discussion panel: *Marci Gottlieb, M.D., Internal Medicine, private practice; Lori Bower, Nurse Practitioner, Kaiser Hayward; and Mills alumna Anne Reed, D.V.M., Veterinarian, Creature Comfort Holistic Veterinary Center*



“...ooooo...it's slime!”

W19 Surfing Blindfolded
Experience ways of surfing the web without seeing it. *Tricia Pritikin, graduate student, Mills College, and registered Occupational Therapist*

W20 Eyeballs!
Dissect cow eyes, experiment with lenses, and make a working eyeball model to take home. *Debra Harper, science teacher, Head-Royce School; Wendy Derjue-Holzer, The Exploratorium*

W21 Be a Director! Make an iMovie
Make your own movie using digital cameras and add sound, music and special effects. *Marie Sayles, Educational Technology Instructor, San Francisco State*

W22 Reach for the Stars
Find and identify famous constellations, stars, and even the planet Mars. *Debra Harper, science teacher, Head-Royce School; Glenna Baker, student, Mills College*

ADULT WORKSHOPS

A01 Exploring Career Options in Technology, Science, and Engineering
Participate in a hands-on activity, gather resources to help girls explore careers in technology, science, and engineering. *Linda Kekelis, Jeri Countryman, Saundra Butcher, Chabot Space & Science Center*

A02 College Preparation Resources for Middle School Parents
Topics include college entrance exams, college admission processes, and resources for student academic development. *College Success Counselors, The Quad*

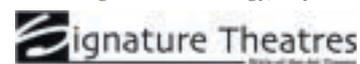
A03 Ethics and Safety in a Virtual World
Explore issues involving Internet safety, online ethics such as copyright and plagiarism, perils of newsgroups, web hoaxes and Internet legends. *Linda Uhrenholt, SBC Education Advocate*

A04 Family Math
Learn how to support your middle schooler with creative hands-on activities as they work their way through math classes. *Ruth Cossey, Associate Professor of Education, Mills College*

A05 Financial Planning for College
Learn about meeting college costs through savings plans, scholarships and grants, and other kinds of financial aid. *David Gin, Director of Student Administrative Services, Mills College*

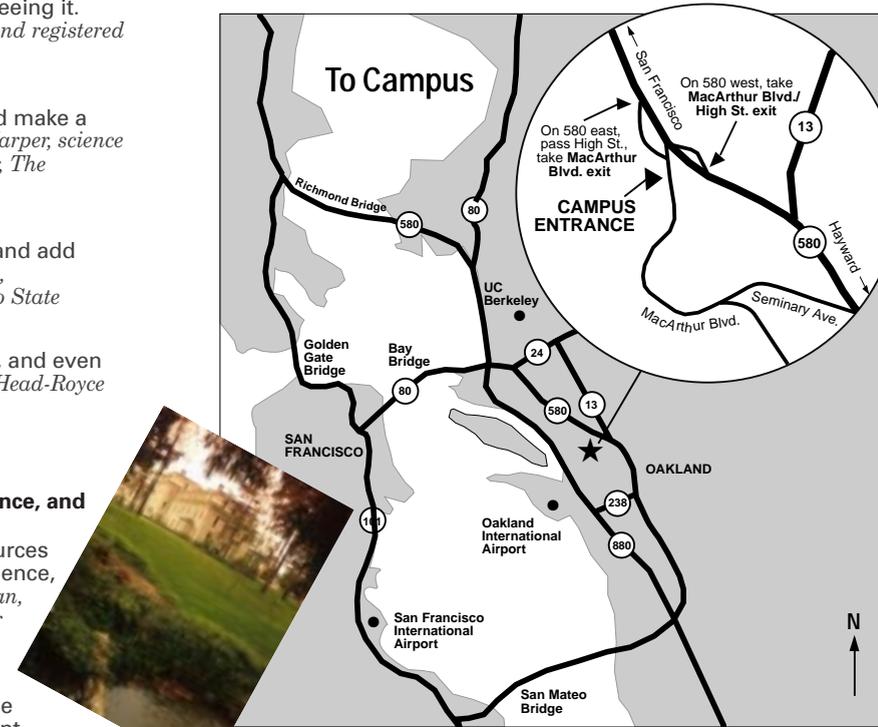
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Scholarships are brought to you by the all-new, completely remodeled Jack London Stadium Theatre

DIRECTIONS TO MILLS



The beautiful 135-acre Mills College campus is located just off the junction of Highway 580 (the MacArthur Freeway) and Highway 13 (the Warren Expressway) in the Oakland hills, about seven miles east of the Bay Bridge.

From Highway 80 or 880, take 580 going east for about 7 miles. After passing the 35th Avenue and High Street exits, take the next* MacArthur Blvd. exit. The exit will curve to the right, ending at a stop sign. Directly ahead is a stop light which marks the campus entrance on the left.

From the Warren Freeway or San Leandro and points east, take 580 west and take the MacArthur Blvd/High Street* exit immediately after the Seminary Avenue exit and the Highway 13 interchange. At the exit's stop sign, turn left under the freeway, and immediately left again at the first stop light. The next stop light, which marks the campus entrance on the left, will be immediately ahead.

* There are three different MacArthur Blvd. exits from Highway 580, so it is important to look for the exit sequences noted above.

For telephone directions, call the Mills College Directions Line at 510-430-3250.

REGISTRATION FORM

Your registration form should be in our hands by **March 1, 2004**. Please register early; we can only accommodate 250 students.

Please print clearly.

Check one:

Student (Circle your grade level: 6 7 8)
Parent Educator Other

Name _____
first last

Address _____

City _____ Zip _____

Phone (____) _____

Type of lunch desired:

Vegetarian Non-Vegetarian

List workshop numbers: (for example, W01 for students, A01 for adults) in order of interest. Please list at least 4 workshop options.

1) _____ 2) _____ 3) _____ 4) _____ 5) _____

We will make an effort to accommodate your interests. Some workshops may be changed or cancelled before the conference begins.

A registration fee of \$10.00 per person covers the cost of lunch and materials. Return this form (or a copy) with your registration fee(s). One registration form per person, please.

Make checks payable to: Mills College – EYH

Mail your registration form and check to: Mills 2004 EYH Conference, Mills College, Oakland, CA 94613

Notice to Parents or Guardian: If special assistance is needed (wheelchair access, other accommodation, etc.), please call (510) 430-2226 and press “2” at least two weeks before the conference.

Photo Permission I give my consent for the Mills EYH Conference to use photos, videos, and/or audiotape that includes my daughter for the purpose of publicizing and promoting Expanding Your Horizons. Individuals will not be identified in any media. I understand that the images or voice recordings may be published in newspapers, magazines, on the World Wide Web, on CD or DVD, or be broadcast on television or radio.

Parent or Guardian Signature: _____

Parent or Guardian (Print Name): _____

MILLS Math Science Network

EXPANDING Your Horizons in Science and Mathematics Saturday, March 13, 2004



A special conference for 6th-8th grade girls in Alameda and Contra Costa counties who are interested in exploring careers that involve science and mathematics

Expanding Your Horizons at Mills College

In 1976, Mills hosted the very first Expanding Your Horizons™ Conference, organized by women educators, scientists, mathematicians, corporate representatives, and community leaders whose mission was to promote math and science education among junior high and high school girls so that a wider range of career opportunities would remain open to them. Since that first conference, half a million young women have attended nation-wide EYH conferences that have exposed them to the fascinations, challenges, and great opportunities for women in these fields.

CONFERENCE GOALS

- To increase young women's interest in math and science
- To make young women aware of the great variety of career opportunities for women in math- and science-related fields
- To provide young women an opportunity to meet and form personal contacts with women working in traditionally male occupations

CONFERENCE SCHEDULE

- 8:30-9:00 Registration**
Pick up schedules/packets at the Concert Hall
- 9:00-9:45 Opening Session, Concert Hall**
Welcome: Ruth Cossey, Associate Professor of Education, Mills College
- 10:00-11:45 Morning Workshops**
- 11:45-12:45 Lunch, Toyon Meadow**
- 12:45-2:30 Afternoon Workshops**
- 2:40-3:15 Closing Session, Concert Hall**
A Student and a Mentor Reunited
Renel Brooks-Moon (on interactive video), voice of 98.1 KISS FM and the San Francisco Giants, and Daphne Muse, author, social commentator and poet

REGISTRATION INFORMATION

- Conference attendance is limited to 250. Register early!
- Placement in workshops will be on a **first come, first served** basis. *Please list at least 4 workshop choices on your registration form.* We'll send you a confirmation postcard indicating our receipt of your registration form. **Bring the postcard with you to the conference to pick up your registration materials.**
- Workshop assignments will be available at 8:30 a.m. on March 13 at the Concert Hall on the Mills College campus.
- Lunch and some workshops are outdoors; dress accordingly.
- For additional conference information, brochures, or scholarship information, call (510) 430-2226 and then press "2" for the EYH voicemailbox, send email to eyh@mills.edu, or visit our web site at <http://eyh.mills.edu>

STUDENT WORKSHOPS

Workshops provide participants with an opportunity to practice science and mathematics using real science equipment and tools. We encourage everyone to participate *actively*.

- W01 "Look out! We're Surrounded" LEGO™ Robotics**
Learn about robots. Build, program and run a real LEGO™ Robot. *Katherine Fritz, Mechanical Designer, Lawrence Livermore National Laboratory*
- W02 Make Your Own LED Jewelry**
Using simple components, make interesting jewelry that glows or flashes. *Jamie Fenton, Game and Multimedia Inventor*
- W03 Games and Math**
Explore powerful and fun math ideas that help us strategize and win a variety of games. *Zvezda Stankova, Assistant Professor of Mathematics, Mills College*
- W04 Experimental Physics: How Do Batteries Work?**
Build an experiment that turns the energy stored in a battery into motion. *Lindley Winslow, graduate student, UC Berkeley*
- W05 Caught in the Act... Crime Scene Investigators Solve the Case**
Use fingerprinting, chromatography, and other forensic techniques to solve a crime. *Sharon Parker, Executive Director, ASA Community Science Center; and Tovi Scruggs, Executive Director, ASA Academy, both Mills alumnae*
- W06 The Oldest Writing: Reading the Signs of Critters**
Make a plaster cast of an animal track—Learn to read animal signs. *Dixie Finley, Environmental Scientist, Lawrence Livermore National Laboratory*
- W07 Match Box Bugs**
Learn about electric circuits and build a bug. *Holly Fait, Lisa Lemon and Liz Pickering, alumnae of Mills College; Rachael Fish, Mills alumna and Spatial and Geodetic Extender Manager, IBM; and Sarah Richards, math teacher, Galileo High School*
- W08 How to Build a Computer**
Learn how computers work and actually build a simple computer. *Ellen Spertus, Associate Professor of Computer Science, Mills College*

Student workshop list continues on other side

