

# Expanding Your Horizons In Science and Mathematics



**...will change her  
view of her future.**

**19<sup>th</sup> Annual  
Expanding Your Horizons Conference  
for Young Women  
in Grades 6, 7, and 8,  
their teachers, parents,  
counselors, and leaders**

**Saturday, March 5, 2011**

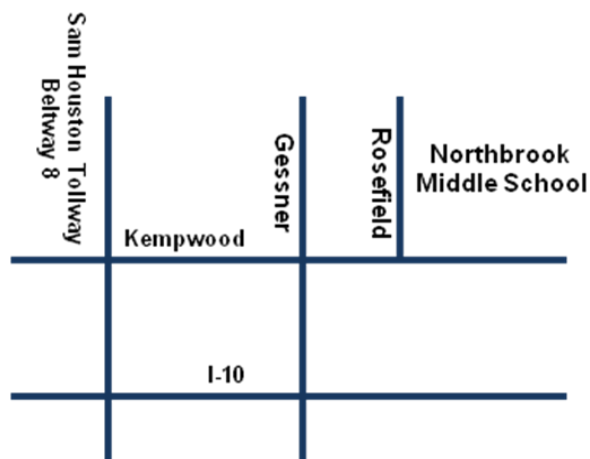
**8:00 am – 3:15 pm**

**CHANGE IN LOCATION TO:**

**Northbrook Middle School**

**3030 Rosefield**

**Houston, TX 77080**



- Registration begins 1/5/11; ends 2/23/11 or with 600 participants
- Pre-registration required; no registrations at the door
- One registration form per participant; photocopy registration form or download it from our website as needed
- Mail registration forms to AAUW/EYH, PO Box 821125, Houston, TX 77282-1125

Need more information?

Web: [www.eyhhouston.org](http://www.eyhhouston.org)

Email: [eyhhouston@gmail.com](mailto:eyhhouston@gmail.com)

InfoLine: Carolyn Morris, Chair, 713-780-3351

**Sponsored by**



**West Harris County AAUW**  
American Association of University Women

## Expanding Your Horizons in Science and Mathematics

will motivate girls to:

- Pursue careers in science, technology, engineering, and mathematics (STEM)
- Take math and science courses to prepare for careers in STEM professions
- Become innovative and creative thinkers ready to meet 21<sup>st</sup> century challenges

## EYH Schedule

8:00 am	Check in Light breakfast
9:00 am	Opening Session Keynote Speaker
10:00 am	Morning Session 1
11:00 am	Morning Session 2
Noon	Box Lunch Provided
12:45 pm	Afternoon Session 1
1:45 pm	Afternoon Session 2
2:45 pm	Door Prize Drawing and Closing
3:15 pm	Student Pick-up

## Free EYH T-Shirt

Look for a coupon in your registration folder. Wear it proudly!

## Assistance with Transportation



A limited number of bus grants are available for the actual cost of the bus (up to \$1000). To be eligible, you must register a minimum of 20 girls by Feb. 7, 2011. Registration may be combined with other schools/organizations to meet the 20-girl minimum. Please see [www.eyhouston.org](http://www.eyhouston.org) for details and application form.



## Student Sessions

During the EYH conference, a girl will attend four small classes where she will meet a professional woman who works in math, science, and technology every day. Each woman will share with the girls how she became interested in the field, what she does on a day-to-day basis, what rewards she receives, and what preparation was required for the job. A hands-on project is usually included to illustrate the scope of the vocation.

### Healthy, Wealthy, and Wise:

Morning Category **(A)**

Afternoon Category **(J)**

These sessions are devoted to professions that help keep you active and healthy. They help keep your vision sharp, your teeth white, and your body fit. These professions include:

Counselor	Teacher	Physical therapist
Chiropractor	Dietitian	Sports psychologist
Dental hygienist		

### Medical Science in Action:

Morning Category **(B)**

Afternoon Category **(K)**

This group of sessions is dedicated to the kind of medicine you don't generally see when you make an appointment with your doctor. The women who make these presentations specialize in fields that require unusual skills and result in research that advances the frontiers of medicine by using science and math to solve medical problems. These professions include:

Immunologist	Medical technologist	Biomedical engineer
Pediatric dentist	Clinical lab scientist	Physical therapist
Nutritional epidemiologist	Physician's assistant	

### Math Makes Money:

Morning Category **(C)**

Afternoon Category **(L)**

Learning your way around the business world can yield valuable monetary results. These sessions are presented by women whose careers depend on knowing and using math to run businesses, evaluate purchases and sales, and manage finances. Come share the ins and outs of using math in the real world. These professions include:

Attorney	Stock trader	Corporate auditor
Finance advisor	Communications specialist	

### Simple Science:

Morning Category **(D)**

Afternoon Category **(M)**

You're in the heart of the science world when you experience one of these sessions. These scientists will fascinate you with the things they know and how you benefit from their knowledge every day. You'll be amazed at the secrets they reveal while sharing their experiences. These professions include:

Geographer	Microbiologist	DNA researcher
Chemist	Geologist	Science specialist

### Engineering & Design Adventures:

Morning Category **(E)**

Afternoon Category **(N)**

The women who present these sessions are responsible for designing, building and operating everything in – and out of – the world around us. These professions include:

Electrical engineer	Architect	Process control engineer
Chemical engineer	Patent attorney	Environmental engineer
Civil engineer	Petroleum engineer	

### Animal Kingdom:

Morning Category **(F)**

Afternoon Category **(O)**

You'll be amazed at the stories these professional women share as they introduce you to the careers they've chosen in the animal kingdom. Animals play an important part in the health and well-being of our world. These professions include:

Veterinarian	Reptile rehabber	Animal trainer
Biologist	Wildlife rescuers	Geologist
Naturalist		

## Sessions for Adults

While the students are busy exploring math and science careers, parents and teachers are invited to attend sessions designed especially for adults.

- **AA (AM)**-Liz Rushing, MS, MEd, Middle School Counselor; D'Ann Franklin, LPC, High School Counselor: Tween to Teen: Helping Middle School Girls Transition to High School
- **BB (AM)**-Robert Stevenson, CPA: Paying for College: Tax Strategies and Financial Aid
- **CC (AM)**-Dr. Kathryn Peek, PhD, AVP for Health Initiatives (UH): New Outlook for Careers in Health, Science, and Technology
- **DD (AM)**-Dr. Beth Dennard, EdD, Educational Consultant: Finding the Best-Fit YOU-Niversity
- **EE (AM)**-Arlene Baker, Psychotherapist, LCSW: Mother/Daughter Myths
- **FF (AM)**-Valerie Barnhill, Mathematics Educator: Using Excel for Analyzing Statistics  
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- **KK (PM)**-Liz Rushing, MS, MEd, Middle School Counselor; D'Ann Franklin, LPC, High School Counselor: Tween to Teen: Helping Middle School Girls Transition to High School
- **LL (PM)**-Robert Stevenson, CPA: Paying for College: Tax Strategies and Financial Aid
- **MM (PM)**-Ruth Fowler, Psychologist, LCP: Enhancing Your Daughter's Self Esteem
- **OO (PM)**-Dr. Betty Cartmell, PhD: Study Skills and Skillets
- **PP (PM)**-Jean King, Art Educator, Artist: Geometry and Origami
- **RR (PM)**-Sandra Newton, Educational Consultant: College Planning from Middle School
- **SS (PM)**-Betty McCutchen, Retired U.S. Diplomat: Relationship of Foreign Affairs and Science

**At *Expanding Your Horizons* you will explore ideas that will lead you to rewarding work in your adult life, both personally and financially.**

## Our Thanks

to the corporations and foundations that make EYH possible each year:

**ExxonMobil**  
**Centerpoint Energy**  
**OMRON Foundation**  
**The Simmons Foundation**  
Federation of Houston Professional Women  
Spectra Energy  
Bechtel Corporation  
The Health Museum  
Houston Museum of Natural Science  
Manned Space Flight Education Foundation  
Mr. and Mrs. Will Frytag  
Marcella and Dan Watkins

## Great Door Prizes!

Thanks to our sponsors and in-kind donors, you can win some great prizes at the closing session:

- Twenty \$100 bills to teachers present
- Tickets to Space Center Houston
- Tickets to the Natural Science Museum
- Goodies from the Health Museum



# Registration Form – Expanding Your Horizons

Saturday, March 5, 2011

**How to Register:** Registration opens Thursday, Jan. 5, 2011. Complete a registration form for EACH participant (parent + daughter = 2 forms.) Submit only original signed forms. Include a check for \$6 payable to “West Harris County AAUW/EYH” for each person OR visit [www.eyhhouston.org](http://www.eyhhouston.org) for instructions for paying by credit card. No registrations will be taken at the door. Group registrations will be acknowledged by email when a group leader’s email address is given below.

**Deadline:** February 23, 2011. Space is limited, so register early! If registering after February 1, please visit [www.eyhhouston.org](http://www.eyhhouston.org) to see if space is still available before mailing your application(s).

**Mailing Address:** West Harris County AAUW/EYH, PO Box 821125, Houston, TX 77282-1125

**Web address:** [www.eyhhouston.org](http://www.eyhhouston.org)

Tell us about YOU (check ONE): Grade 6  Grade 7  Grade 8  Parent  Lead Teacher  Teacher  Other   
Please check here if a parent (mom or dad) will also attend and has a separate registration form with payment of \$6

**Please print clearly in blue or black ink:**

Last Name \_\_\_\_\_ First Name \_\_\_\_\_

School District \_\_\_\_\_ School \_\_\_\_\_

Group Leader (if applicable) \_\_\_\_\_ Group Leader’s Email \_\_\_\_\_

Home Address \_\_\_\_\_ Apt. No \_\_\_\_\_

City \_\_\_\_\_ Zip \_\_\_\_\_

Home Phone \_\_\_\_\_ Responsible Adult’s Email \_\_\_\_\_

Ethnicity (check one): African American  Asian  Caucasian  Hispanic  Native American  Other

Is English the language your family usually speaks at home? Yes  No  Is this your first EYH conference? Yes  No

**Session choices:** Everyone will attend up to 4 sessions with a woman professional who works in one of the categories listed inside this form (doctor, engineer, vet, etc.) Students, please circle a different letter for each category you want in each session. Our computer will make every attempt to assign you to your choices depending on how many girls who registered earlier also want those categories. Adults, please do the same. **If you do not make any choices, our computer will make them for you.**

**Example:** 1<sup>st</sup> Choice: A  B C D E F 2<sup>nd</sup> Choice: A B C  D E F

**Student Registration–Morning, Categories A-F:** 1<sup>st</sup> Choice: A B C D E F 2<sup>nd</sup> Choice: A B C D E F 3<sup>rd</sup> Choice: A B C D E F

**Afternoon, Categories J-O:** 1<sup>st</sup> Choice: J K L M N O 2<sup>nd</sup> Choice: J K L M N O 3<sup>rd</sup> Choice: J K L M N O

**Adult Registration – Morning Sessions (AA-FF):**

**Adult Registration – Afternoon Sessions (KK-SS)**

1<sup>st</sup> Choice \_\_\_\_\_ 2<sup>nd</sup> Choice \_\_\_\_\_ 3<sup>rd</sup> Choice \_\_\_\_\_

1<sup>st</sup> Choice \_\_\_\_\_ 2<sup>nd</sup> Choice \_\_\_\_\_ 3<sup>rd</sup> Choice \_\_\_\_\_

(We have found that girls are intimidated when adults are also in the class, so our policy is that adults may not attend student sessions.)

Breakfast and lunch: Everyone will receive breakfast and lunch at no extra cost. If you have special dietary needs, please bring a sack lunch.

**Student Permission Slip: MUST be completed by parent or guardian and may contain no strikeouts. This is not a bus permission slip.**

My daughter \_\_\_\_\_ may participate in the EYH Conference on Saturday, March 5, 2011. I understand that while in attendance she will be asked to evaluate the conference and may be photographed or videotaped for EYH promotional purposes.

During the conference, I may be reached at \_\_\_\_\_ (Phone)

Legal Signature \_\_\_\_\_ Please print name \_\_\_\_\_

If I cannot be reached in the event of an emergency, the following adult may act on my behalf:

Print Name \_\_\_\_\_ Phone \_\_\_\_\_