

You are cordially invited to attend the 19th Annual

TECHNOLOGY: FUTURES UNLIMITED

A Career Connections Initiative through Math and Science

Hands-on workshops for 7th and 8th grade girls (boys also welcome)
Informational workshops for parents

Saturday, March 17, 2012, 8:30 A.M. to Noon
Woodson High School 9525 Main Street, Fairfax, VA

Presented by
Fairfax City Branch American Association of University Women (AAUW),
and Fairfax County Public Schools

AAUW promotes lifelong education for all women and girls...and has been doing so since 1881.
<http://www.aauwofva.org/branches/fairfaxcity.htm>

To register, fill out and return the form below. Receipt of the form automatically registers you.

REGISTRATION DEADLINE is March 6. No confirmation will be sent.

Student Information: (please print clearly)

Family/Last Name _____ Given/First Name _____

Phone _____ Parent's Email Address _____

Address _____

City, Zip _____

School _____ Grade _____

Check here if student qualifies for free/reduced lunch. _____

Workshops: There will be three 45-minute workshop sessions.

See workshop information on the next page. Indicate your top **five (5)** choices by filling in the workshop category number (see next page):

1 _____, 2 _____, 3 _____, 4 _____, 5 _____.

Please do not leave any choices blank.

Parent/Guardian Permission (required) and Parent Seminars:

My child, _____ has my permission to attend the workshop sessions.

Parent's signature (required)

Yes I will be attending the parent seminars.

No I will **not** be attending the parent seminars.

Mailing Address and Fees: Fee is waived for students on free/reduced lunch.

The student registration fee of \$15 covers snacks, souvenir token, and materials. Parent seminars are free of charge. Enclose a check, **payable to AAUW** with this completed form and mail to:

AAUW c/o Barbara Klementz, 8102 Briar Creek Drive, Annandale, VA 22003

For further information: Contact Suzanne Mahoney: 703-978-3258 or aauw.tfu@gmail.com

Students' Workshop Categories: Write your choices on the first page of this form

1. *Engineering*

Design/construct things from computer chips to missions to Mars: chemical (fuels), electrical (computer chips), civil (bridges), aerospace (satellites).

2. *Computer Technology*

Design and write applications to deliver information in a useful form: software architect, software engineer, webmaster.

3. *Earth and Environmental Science*

Solve problems to clean polluted air, water and soil: water quality engineer, soil scientist, climate change analyst.

4. *Human Service Professions*

Serve patients as a doctor, pharmacist, physical therapist, nurse, speech therapist, occupational therapist.

5. *Other Life Sciences*

Work with plants and animals: veterinarian, wildlife biologist, marine biologist, medical/pharmacy researcher, geneticist, epidemiologist.

6. *Building and Landscape Design*

Create sustainable environments for humans: urban systems engineer, architect, transportation planner/engineer.

7. *Mathematical Sciences*

Work with data to understand the world: economist, financial analyst, statistician, remote sensing scientist.

8. *Interdisciplinary professions*

Technical writer/illustrator, science writer, forensic scientist, patent attorney.

Online Resources

There are numerous careers in science, technology, engineering, and mathematics (STEM). We suggest only a few in our descriptions of the above categories. To find out more, see the two web sites below. Both provide information about careers in the STEM fields including brief descriptions, educational requirements, expected salaries, and more.

Careers in Science listed by Science Buddies:

http://www.sciencebuddies.org/science-fair-projects/science_careers.shtml?From=Tab

Bureau of Labor Statistics:

<http://www.bls.gov/k12/index.htm>

Parent Workshops

1. Women in Science, Math and Technology: Future Career Opportunities
2. Choices in High School: Academics, Special Programs and School Resources, by Fairfax County Public Schools, Department of Student Services, and Professional Technical Studies
3. Your Daughter Goes to College: Exploring Financial Options

Student Workshops

1. These will be assigned on a first come, first served basis. The actual list of workshops will vary as alternate and additional speakers become available.
2. Efforts will be made to fill 3 of each student's 5 choices. Due to limitations of speaker availability, it is not always possible to fill the top 3 choices of every student.
3. Parent/Guardian permission signature is required.
4. Students will pick up their schedules the morning of the event.