

## WORKSHOPS

### 1. Blizzard in a Bottle!

Create a "snowflake crystal" scene in a jar using Chemistry!

*Denise Beautreau, B.S., M.S., Laboratory Supervisor, Adjunct Lecturer, Mercy College, Dobbs Ferry, NY*

### 2. Grrrrrrls Leading the Way in Animal Science

Learn how your role can enhance animal lives and wellbeing in a hands-on enrichment workshop.

*Cindy Maur, B.S., Wild Animal Keeper, Bronx Zoo*

### 3. Brain Games

Learn about some of the mind boggling things a brain can do from making memories to controlling emotions.

*Jenny Libien, M.D., Ph.D., Assistant Professor, Department of Pathology, SUNY Downstate Medical Center, Brooklyn, NY*

### 4. Plant Superhighways

An introduction to the vascular system of plants with real-life applications in the food and florist industries.

*Nadimar Rojas, Senior Biology Major, College of Mount Saint Vincent*

### 5. Chlorophyll: A Tale of Being Green

Separation and analysis of pigments used by plants and determining the important wavelengths (colors) that plants use for photosynthesis.

*Ana Ribeiro, Ph.D., Assistant Professor of Biology, College of Mount Saint Vincent*

### 6. It's a Sugar...It's a Base...It's DNA!

Discover the structure of DNA and how to isolate DNA from your own cells painlessly.

*Agnes Wong, B.S, Ph.D. candidate, New York Medical College;*

*Jeanette Sutherland, Ph.D., Postdoctoral Research Associate, Weill Cornell Medical College*

### 7. Tomorrow's Nurse

Play "Organ-ize", to test your knowledge of what's inside you. Solve the life-size puzzle that you create. Talk about opportunities in a nursing career.

*Regina Tancredi, RN, BSN, Clinical Educator/Manager, Visiting Nurse Association of Hudson Valley*

### 8. Candy Chromatography

Students will perform the basic techniques of chromatography and learn how these concepts are applied to solve crimes in forensic chemistry.

*Joy Cote, Senior Chemistry major, College of Mount Saint Vincent*

### 9. Having Fun With Cyber Security

Learn about the security and risk in cyber space through hands-on games and exercises.

*Li-Chiou Chen, Ph.D., Associate Professor of Computer Science and Information Systems, Pace University*

## WORKSHOPS (CONTINUED)

### 10. Play Doctor

Learn the physical exam components and tools that doctors and PAs use to evaluate sick patients.

*Katharine Adis, BS, MS-PA, Physician Assistant at Cornell NY Presbyterian Hospital; Rosanna Adis, BS, MS-PA, Physician Assistant at Columbia University Medical Center*

### 11. What You See Isn't What you Get!

Learn how your vision, hearing, and memories don't quite give you the full picture you think they do.

*Janet S. Twyman, Ph.D., BCBA, Associate Professor of Pediatrics, University of Massachusetts Medical School*

### 12. Cool Web Design (2 sessions)

Learn the basics of HTML and JavaScript by making your own "Web Page" for the Internet.

*Mary Curtin, BBA, MS, DPS, Adjunct Assistant Professor, Pace University, St. Francis College, St. John's University., Senior Passport Specialist, U.S. Dept. of State*

*Mirkeya Capellan, BA, MS, DPS, Adjunct Professor, Pace University, IT Manager Consultant, Sogeti USA*

### 13. Flower Hour

Observe and describe flowers and discover similarities that group them and differences that make them unique.

*Elizabeth McCarthy, B.A., Ph.D., Postdoctoral Research Assistant, The New York Botanical Garden*

### 14. Kitchen Chemistry

Explore the world of chemistry in your kitchen cabinets. Then you can do some cooking with chemistry!

*Pamela K. Kerrigan, BA, MS, PhD, Associate Professor, Biochemistry, College of Mount Saint Vincent, NY*

### 15. Hands-On Cosmetic Chemistry (2 sessions)

Step into the laboratory and design your own cosmetic potion.

*Ruby Del Aguila, B.S. Developmental Chemist; Carin Leonard, B.S. Senior Chemist, Estee Lauder Companies, Inc. Anna Czarnota, B.S., Group Leader; Tracey McGrory, B.S., Senior Chemist, Estee Lauder Companies, Inc.*

### 16. Mapping Climate Change Risk in NYC

Create maps to show where people and places in NYC are vulnerable to climate changes.

*Sneha Rao, M.S., Developer at the Center for International Earth Science Information Network, Columbia University; Allison Lacko, B.A., Research Assistant Columbia University Earth Institute.*

All workshops are conducted in English  
Adults may not accompany students to workshops.

## REGISTRATION FORM

### Explore Your Opportunities – The Sky's The Limit! Conference

Saturday, March 17, 2012, College of Mount Saint Vincent

PLEASE PRINT CLEARLY

Complete this form listing ONLY THOSE WHO WILL BE ATTENDING THE CONFERENCE.

The fee is **\$14 per attendee, adults and students**, and includes registration, lunch, refreshments, and a post-conference campus tour. Educators and parents accompanying students must register.

Mail this registration form and a check or money order payable to "AAUW Westchester Branch" to Barbara Sarver, 34 Scenic Circle, Croton, NY 10520. Please write EYO on the memo line. Checks and registration forms must be received by February 20.

Name \_\_\_\_\_ Student  Parent  Educator   
Last First

Name \_\_\_\_\_ Student  Parent  Educator   
Last First

Mailing Address \_\_\_\_\_

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

Parent's E-mail (required) \_\_\_\_\_@\_\_\_\_\_

Telephone \_\_\_\_\_ Special Needs \_\_\_\_\_

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

Yes  No  I will attend the post-conference tour of the College of Mount Saint Vincent.

Students attending this conference must be mature enough to follow instructions and directions provided by signs and guides on campus. Students must attend all events scheduled for them and remain on campus from 8:30 AM until the conference ends at 2:00 PM. If they are attending the campus tour, they must remain with the group until the end of the tour.

Pictures and video of conference attendees may be taken and may be used on our website or in publications. By registering for the conference, you have given us permission to use your/your child's image and to be contacted for a follow-up study.

I grant permission for my child to attend the EYO Conference at the College of Mount Saint Vincent and, should it be necessary, to receive emergency medical care while there.

Parent/Guardian Name (please print)

Parent/Guardian Signature

### STUDENT WORKSHOP CHOICES

Each student will be assigned two workshops. Write the number of your first 4 choices.

\_\_\_\_\_ 1<sup>st</sup> \_\_\_\_\_ 2<sup>nd</sup> \_\_\_\_\_ 3<sup>rd</sup> \_\_\_\_\_ 4<sup>th</sup>

If your choices are full, we will place you in other workshops. We think they are all terrific and you may discover some great careers you had not considered before.