

**Experience real-life reasons to reconsider science, technology, engineering and math**

Experience the 18th annual STEM Conference for Middle School Girls—an exciting day for young women to hear from professional women about careers in science, technology, engineering and math. Modeled on a professional conference, the girls will hear from a keynote speaker and attend two additional seminars led by experts in their fields. The conference is free. Lunch and snacks will be provided.

The Anchorage School District and community and teacher volunteers support the conference.

Major funding is provided by ExxonMobil, with support from Peterkin Distributors and Subway of Alaska.

**ExxonMobil**

Anchorage School District  
5530 E. Northern Lights Blvd.  
Anchorage, AK 99504-3135

*Don't miss the STEM Conference  
Saturday, Jan. 22, 10 a.m. – 2:45 p.m.  
Wendler Middle School*

**Food! Fun! Prizes!**

Non-Profit Organization  
U.S. POSTAGE  
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Permit No. 161  
Anchorage, AK

Experience The 18th Annual



# Conference for Middle School Girls

*Enjoy food, fun and prizes at this free event!*

**Saturday, Jan. 22, 2011  
Wendler Middle School  
10 a.m. – 2:45 p.m.**



**Anchorage School District**  
*Educating All Students for Success in Life*

## 18th Annual STEM Conference for Middle School Girls

Saturday, Jan. 22, 2011  
Wendler Middle School

### Keynote speaker

#### Sofia Wong

*Point Thomson Project Technical Manager*

*ExxonMobil Corp.*

*Career Cluster STEM*



Sofia has relished her position as ExxonMobil's Point Thomson Project technical manager since she arrived here in August 2009. A self-described "people person," Sofia's duties give her the opportunity to interact with individuals

within her company and all over the state, including communities in the area near Point Thomson.

Prior to moving to Alaska, Sofia spent 12 years in Houston, Texas working in different organizations within ExxonMobil. She began her career at ExxonMobil's Baytown refinery and moved to work on large capital projects eight years ago. Her focus on West African deep water projects allowed her to travel all over the world. Sofia feels fortunate to have had the opportunity to work in many different facets of her company and see much of the world along the way.

Sofia holds a bachelor's degree in chemical engineering from Clemson University. Born and raised in a suburb of Washington, D.C., and having worked primarily in Houston, she feels fortunate to now call Alaska home. Her husband and three kids share her love of the outdoors and the lifestyle Alaska provides. Their favorite activities include downhill skiing, hiking, fishing and camping.

### STEM Conference for Middle School Girls Schedule

10 – 10:30 a.m.	<b>Registration, meet in Multipurpose Room</b> Pick up registration packet, enter data on charts, origami activity <b>Welcome and plan for the day</b>
10:30 – 11 a.m.	<b>Opening Keynote Speaker: Sofia Wong</b>
11 – 11:10 a.m.	With the help of your map, locate and proceed to your first session
11:10 – 11:55 a.m.	<b>First session</b>
11:55 a.m. – 12:45 p.m.	Go to MPR for lunch, morning debrief and door prizes
12:45 – 12:55 p.m.	With the help of your map, locate and proceed to your second session
12:55 – 1:40 p.m.	<b>Second session</b>
1:40 a.m. – 1:50 p.m.	Proceed to the MPR for closing session
1:50 – 2:15 p.m.	Give one, Get One career clusters activity
2:15 – 2:45 p.m.	<b>Evaluation and door prizes</b>

#### Registration process:

- 1) Registration is free.
- 2) Students pick up registration forms from their math teacher or middle school office.
- 3) Turn in registration to math teacher.
- 4) Girls will list their first and second choices for the sessions they wish to attend.  
Presenters are from all walks of life including, engineering, technology, professional, nursing, corporate finance and event planning.

For more information, call 742-7863 or e-mail Jessica Graziano at [graziano\\_jessica@asdk12.org](mailto:graziano_jessica@asdk12.org).

# Girls 18<sup>th</sup> Annual STEM\* Experience Conference

Wendler Middle School January 22, 2011

10:00 a.m. to 2:45 p.m.

\*STEM: Science, Technology, Engineering and Math

Registration begins at 10:00 a.m. in the Wendler atrium (through the main doors before you enter the multipurpose room). Throughout the day, girls will participate in two small group sessions led by professional women from around Alaska. The girls will also enjoy breakfast, lunch and a keynote speaker. It is important that participants are picked up at 2:45 p.m. at the Main Entrance. For security purposes, participants may not exit other parts of the building.

**Return this application to your math teacher no later than January 14, 2011.**

NAME \_\_\_\_\_ SCHOOL \_\_\_\_\_

ADDRESS \_\_\_\_\_

HM. PHONE \_\_\_\_\_ CELL PHONE \_\_\_\_\_

MATH TEACHER/CLASS \_\_\_\_\_ GRADE \_\_\_\_\_

Review the career cluster presentation options on the back of this page. Record your first and second preferences below. Preferences should be from *different* categories.

**Sample Preference (section/title) H1: Health Services**

1<sup>ST</sup> Preference (section/title) \_\_\_\_\_

2<sup>nd</sup> Preference (section/title) \_\_\_\_\_

**Parent/Guardian:** I give permission for \_\_\_\_\_  
to participate in the STEM Experience Conference on Saturday, January 22, 2011 and agree to provide her transportation to and from Wendler Middle School at the correct time.

**Parent/Guardian Signature:** \_\_\_\_\_

**Check this box if you are able to assist throughout the day with this event.**



**Optional Photo Release:** *I hereby authorize the use of my picture taken at this event supported by the Anchorage School District and release ASD employees and assignees from any and all claims resulting from such use.*

**Student Signature:** \_\_\_\_\_

*The above consent is ratified and approved:*

**Parent/Guardian Signature:** \_\_\_\_\_

# **Middle School Girls' Math Experience Conference**

## **Which career clusters interest you?**

### **A1: Agriculture, Food and Natural Resources**

The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

### **A2: Arts, A/V Technology and Communication**

Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

### **F: Finance**

Planning, services for financial and investment planning, banking, insurance, and business financial management.

### **G: Government and Public Administration**

Executing governmental functions to include Governance; National Security; Foreign Service; Planning; Revenue and Taxation; Regulation; and Management and Administration at the local, state, and federal levels.

### **H1: Health Services**

Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

### **H2: Hospitality and Tourism**

Hospitality & Tourism encompasses the management, marketing and operations of restaurants and other foodservices, lodging, attractions, recreation events and travel related services.

### **L: Law, Public Safety, Corrections & Security**

Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.

### **S: Science, Technology, Engineering and Math**

Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.

### **T: Transportation, Distribution and Logistics**

Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.