

## EYH11 Committee Members

Georgia Pedicini, EYH11 Chair  
Barbara Tenorio-Grimes, TC11 Chair  
Julie Bremser  
Wendee Brunish  
Lisa Colletti  
Jan Frigo  
Jennifer Green  
Stephanie Hagelberg  
Jutta Kayser  
Sammy Jo Keie  
Donna Leschne  
Emily Schultz-Fellenz  
Aviva Sussman  
Meghan Wingate

Thanks to all Logistical Assistants!



## Special Acknowledgements

EYH conferences in New Mexico are licensed by the New Mexico Network for Women in Science and Engineering through the national EYH Network and are supported by donations from PNM Foundation, McCune Foundation, Intel, and Honeywell.

## Special Thanks to these Organizations

CPO: Community Programs Office  
INST-OFF: LANL Institutes  
STBPO: Science & Technology Base Program Office  
LANL Printshop  
Time Out Pizzeria  
Crossroads Bible Church

## Special Thanks to these Community Sponsors

**PLATINUM:** NSTec  
**GOLD:** STB  
**GOLD:** LANS  
**SILVER:** LANB  
**BRONZE:** Neptune

National Security Technologies,  
LLC (NSTec)  
Los Alamos Women in Science  
(LAWIS)  
Los Alamos National Laboratory  
(LANL)  
Los Alamos National Security,  
LLC (LANS)

Present:



Thursday, March 17, 2011  
Crossroads Bible Church,  
Los Alamos, New Mexico

<http://nmnwse.org/lawis/eyh>



## EYH11 Student Program

Registration	08:00 – 08:30
Orientation	08:30 – 08:45
Team Activity	08:45 – 10:15
Workshop	10:30 – 12:00
Lunch	12:15 – 12:45
Team Activity	12:45 – 12:55
Follow-up	
Keynote	01:00 – 01:30
Wrap-up	01:30
Sign-out	01:45

## EYH11 Sponsor/Teacher Workshop, Canyon Complex

Sign-in, Welcome and Introductions	08:30 – 08:45
Workshop: Is Nano the next big thing in science?	08:45 – 10:30
Break	10:30 – 10:45
Super Computing Challenge Program	10:45 – 11:15
Student Internships, Professional Teacher Development Programs	11:15 – 11:45
Community Programs Office – Education Programs	11:45 – 12:00
Lunch	12:00 – 12:45
Travel to Crossroads Bible Church	12:45 – 01:00
Keynote	01:00 – 01:30
Wrap-up	01:30

## Student Workshops

- Pulling out DNA from your own cheek cells! (Room 1)**  
**Presenter: Harshi Mukundan**  
Topic: Biology
- Cryptography and Steganography - From Caesar to Shannon (Room 4)**  
**Presenter: Sarah Morgan**  
Topic: Applied Mathematics
- Dentistry: The Science of Teeth (Room 3)**  
**Presenter: Laura Heisch**  
Topic: Dentistry
- Rocketry: Newton's Three Laws of Motion (Room 5)**  
**Presenter: Lorrie Bonds-Lopez**  
**Co-Presenter: Jeff Charmichael**  
Topic: Physics
- Tails of a Veterinarian (Room 6)**  
**Presenter: Gretchen Yost**  
Topic: Veterinary Medicine
- Ocean Density, Current, and Ice (Room 7)**  
**Presenter: Elizabeth Hunke**  
**Co-Presenter: Nicole Jeffery**  
Topic: Environmental Science
- Aviation/Aerospace (Room 8)**  
**Presenter: Marianne Francois**  
Topic: Physics, Mathematics

## Student Workshops (cont'd)

- Life, the Universe, and Everything (Room 9)**  
**Presenter: Aimee Hungerford**  
Topic: Astronomy
- What is in that water? (Room 10)**  
**Presenter: Jennifer Macke**  
Topic: Biology
- Ooey Goey Polymers (Room 11 – Basement)**  
**Presenter: Debra Wroblewski**  
**Co-Presenter: Cindy Welch**  
Topic: Chemistry
- Robotics: Designing “patterns” with mobile robots (Room 12)**  
**Presenter: Jan Frigo**  
**Co-Presenters: Susan Coulter and Jennifer Green**  
Topic: Engineering, Computer Science

**NOTE:** Students and teachers are welcome to stay around for mini hands-on activities, displays, or demos and interact with presenters and other volunteers.