

young of WISE

young women in science 4 engineering

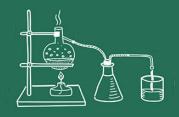
* 1.5 hour sessions experimenting with chemistry of cosmetics, science of food, applying to college and exploring careers and women's issues in science and engineering.

- * Eight Tuesday sessions from 2:30-4pm @ Kearns High room 132 (January 27- April 28)
 - * To apply for this free afterschool program, complete the short online application:

http://www.mrsec.utah.edu/WISE









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MATERIALS

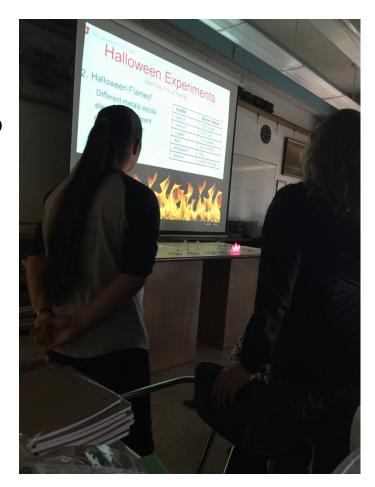
RESEARCH
SCIENCE &
BNGINEERING

After-school program for high school female students
Monthly sessions:

- chemistry of food
- Electricity and circuits
- Materials science and applications
- cosmetic science
- discussion about women's issues in science and engineering (imposter syndrome)
- applying for college
- instrument demo at Nanofab and campus tour



Demos with fire, liquid nitrogen and food keep it interesting.



Exploding Jack-O-Lantern: illustrating the energy released when you break a triple bond in a molecule of acetylene.



The chemistry of cosmetics: nanoparticles in sunscreen, materials used in cosmetics, distillation of essential oils.



Red cabbage indicator: pH testing of household substances.



Career panel Women in Science and Engineering



Using equipment in the University of Utah's world-class NanoFab.



MRSEC Annual Impact:

- 160 female students
- 120 underrepresented minority students

Led by MRSEC Jr MRSEC researcher Wendy Nimens and additional college students

We repeat this model and include other outreach programs like Women in Physics undergraduate educators to expand sessions

