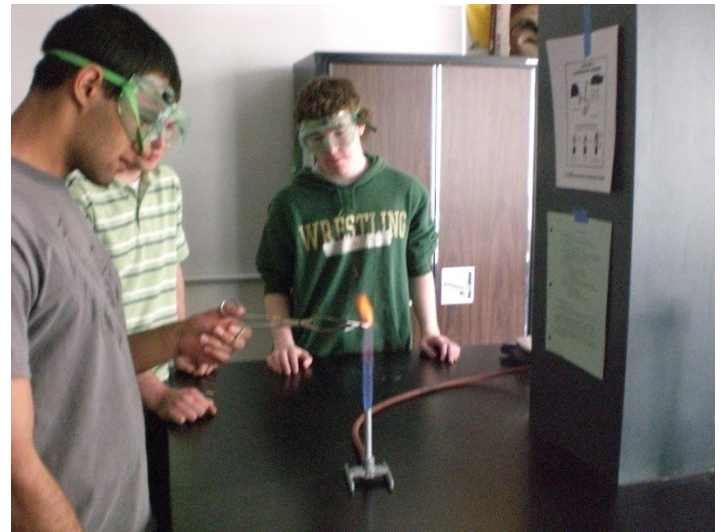


GK-12 Summer Workshop 2010 Ideas

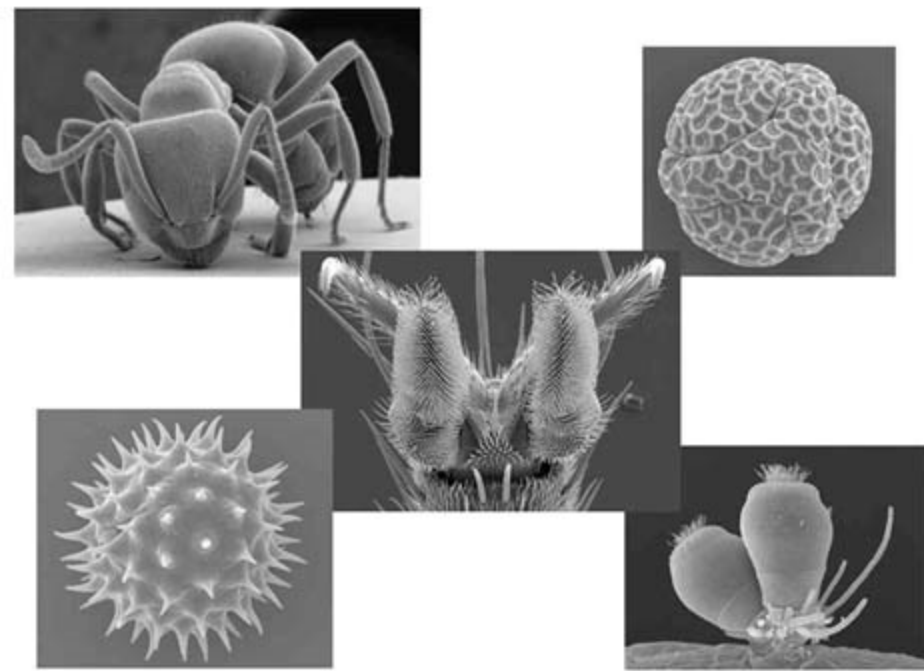
Kate McDonnell and Megan Easterly
Jeramy Jasmann and Cherelle Bishop

Goals for the Year

- ▶ Focus more on labs and inquiry
- ▶ Exciting Demonstrations
- ▶ Include more math:
 - Dimensional analysis (stoichiometry)
 - Data analysis



Specific Lesson Ideas



- ▶ Scanning Electron Microscope (SEM) and scale activity
- ▶ Buffers Lab
- ▶ Diffusion Lab?
- ▶ Electrochemistry Lab (add to unit I started)
- ▶ More magnetic imaging, NMR, etc.

Ideas

- ▶ Incorporate demos
 - Chemiluminescence, “Blue Glow”
 - Volcano, ammonium dichromate
 - Electrochemistry, the golden penny
 - Polymer, silly puddy



Ideas

- ▶ Short 5 minute talks about research/frontiers in chemistry
- ▶ Unit/Lab on water quality
 - Make a case study/senario on Ft. Collins water shed (chemical x)
 - Possible quest speaker, about water issues
 - Students would sample and measure pH,nitrate, phosphates and alkalinity