

A HUGE thank you to Leah Roskin, Jeff Batt, & the Lane Tech teachers for hosting!

Lane Tech 3.15.18 ~~~~~ Presentations are listed in chronological order.

Leah Roskin - Lane Tech

[Alcohol, Plastic, Water, Salt, and Food Coloring System \(courtesy of Ray at Jones College Prep\)](#)

Ethanol layer, salt water layer, and a plastic bead.

*[Flinn's demo that explains some of the green food coloring mystery](#)

*[Flinn Salting Out Demo Bottle](#) OR [Educational Innovations Salting Out Demo Bottle](#)

*[Jill's PowerPoint Slides that include particle pictures to explain the salting out](#) (excerpt from Jill's grad school presentation)

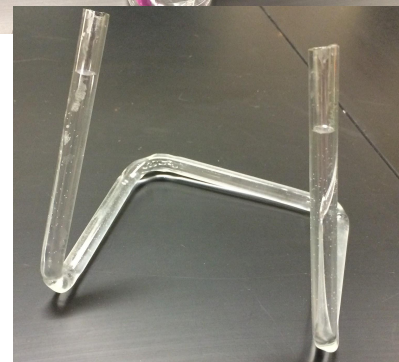
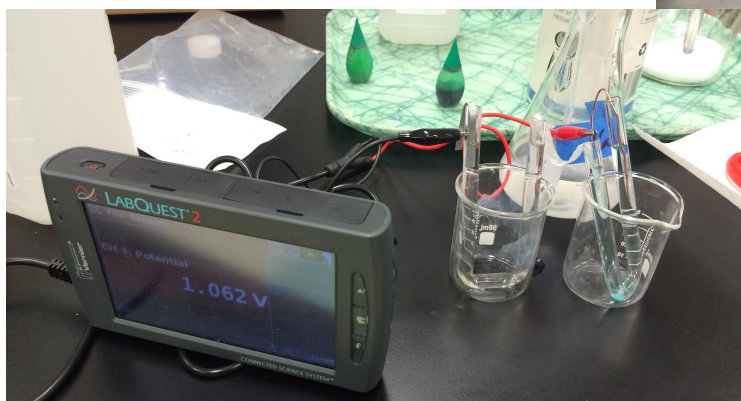
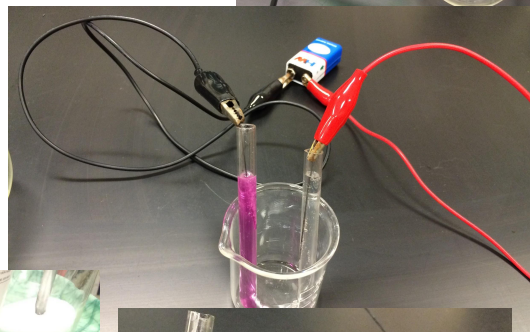
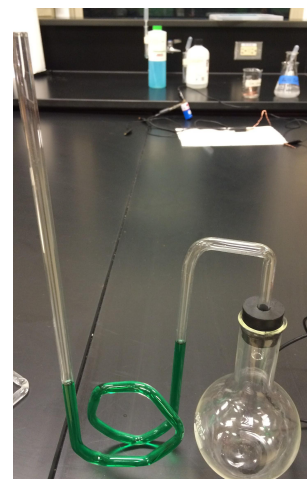
Bob Bartelt - Lane Tech

All things involved with that extra glass tubing that you have laying around your stockroom!

- 1) Homemade manometer -- hold the round bottom flask in your hand - you see the water level increase, put it on ice, you see the water level decrease...
- 2) U-tube sitting in a beaker - 9V battery, Alligator clips, graphite electrodes, sodium chloride with phenolphthalein, electrolytic cells, produces Cl_2 gas
- 3) U-tube that is bent so that no beaker is needed
- 4) 2 u-tubes, with a salt bridge

How to cut the glass: score glass tubing with triangular file/[glass scorer](#), then snap the glass at the now weak point.

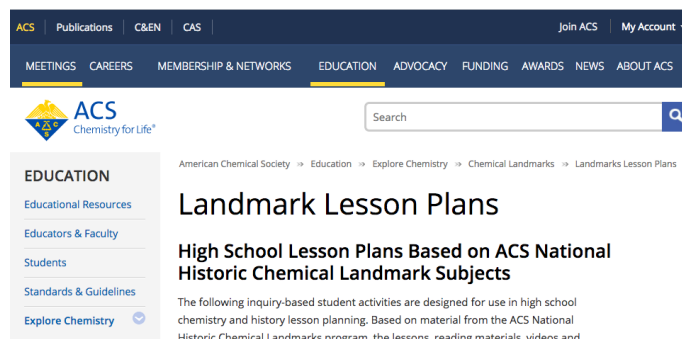
Jerry's glass polishing tips: As the glass turns yellow (the sodium in the glass) rotate the glass rod in the bunsen burner flame - Want to check if the glass is still hot? Cup your hand over, if you can feel the heat, too hot.



Lucy Young - Lane Tech

[ACS - Landmark lesson plans](#) - great free resource to take from

[The development of baking powder](#) - one that she has recently pulled from!

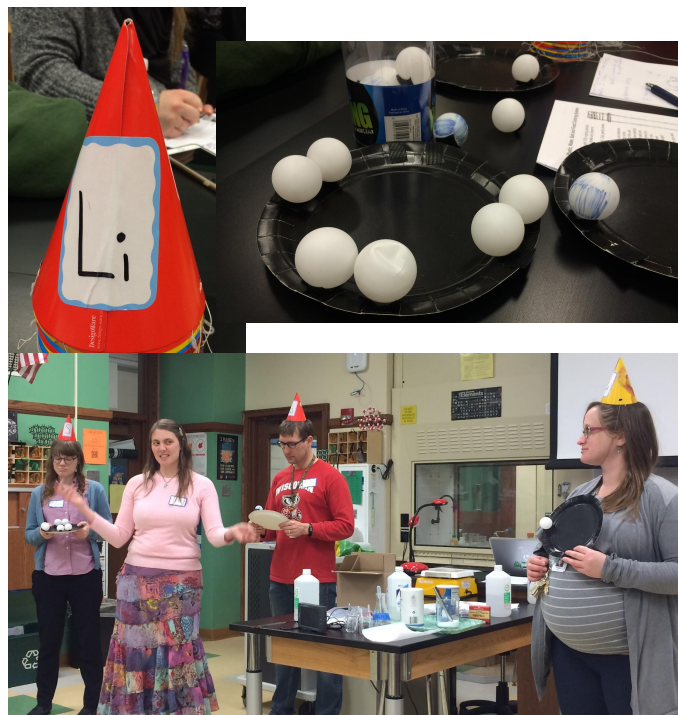


Karen Trine - Whitney Young

Party hats with elements, plates with velcro ping pong balls on plates!

Teacher is a gatekeeper to the Noble castle - only things with a full valence can come into the castle "Away with you" (to elements that don't have a full octet)

Get the three atoms together, they transfer ping pong balls (valence e-) to give one of the atoms a full octet, link arms - all get passed into the castle!



Jill Serling - Glenbrook South

What's IMF Got to do with it? - A simple lab setup for distillation; separate the cherry flavoring from cherry coke/cherry 7up. [My notes](#) - [Editable version](#)

[Here is the video](#) that I show to link distillation to their applicable lives (distillation of crude oil)

Science Clothing:

www.svahausa.com ← where my cardigan is from... use "STEAMLOVER20" promocode for 20% off your 1st Svaha order. Sign up for their emails, they have BIG sales every so often (on the order of 50% off... or around there)

<https://www.etsy.com/shop/emidesign> ← where my skirt is from! She's out of Chicago.

