

A HUGE thank you to Jill Serikaku & the GBS science teachers for hosting!

Glenbrook South 11.30.16

Presentations are listed in chronological order.

Jill Serikaku (Glenbrook South)

Jill did the [winter wonderland](#) demo from the Flinn Kit ([Christmas of Chemistry](#) Item #: AP6281 \$132.70 for 7 demos). Additionally, she shared her premade "[snowman in a snowstorm](#)" and talked about an extension to have students make miniature versions as take home snowglobes.

Aparna Puppala (Glenbrook South)

Aparna did the Invisible Christmas Message demo from the Flinn Kit ([Christmas of Chemistry](#) Item #: AP6281 \$132.70 for 7 demos).

Chris Cassidy (John Hersey High School)

Flaming book - Chris shared a book that he and a colleague, Eric Bahaveolos-Wolf, made.

All supplies were bought at a hardware store. The thing inside was a wick for an old kerosene lamp, the metal was just a tin sheet that was cut and bent, and the battery and switch were connected to a glow plug.

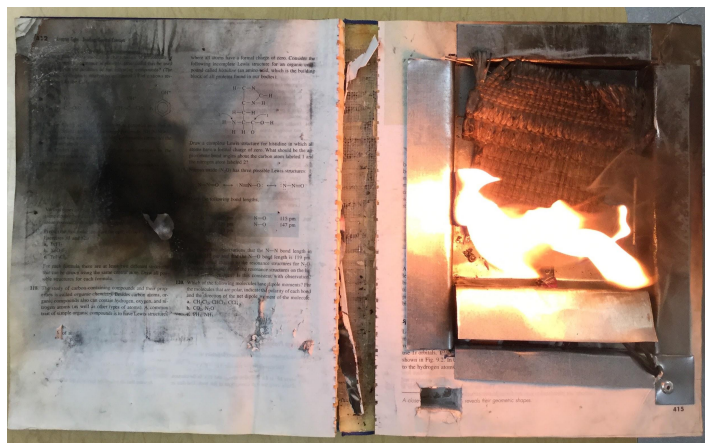
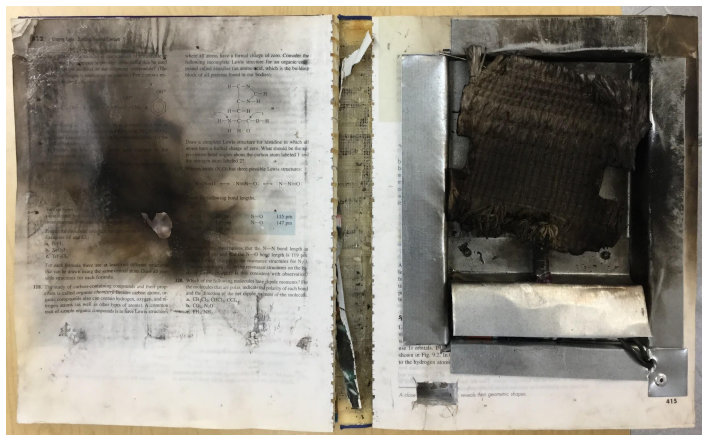
For the wick, here is a site where you could get it/examine it online:

http://www.antiquelampsupply.com/category/130_lamp-wicks

His thoughts: I found that a small amount had to be frayed and touching the filament of the glow plug, and that the wick had to be pretty well soaked. I am thinking there might be more creative ways to anchor it so it stays in contact with the plug and does not slide off...perhaps a bolt or to going through to the back of the book.

Please send an email to Chris if you have any questions!

(As far as the gun cotton goes...It is from Ealy and Summerlin Chemical Demonstrations Volume 2 - [modified write up](#))



Karl Craddock (Fremd High School)

Chemistry [Holiday Parody Songs](#) - his AP Chemistry students visit other science classrooms singing carols.

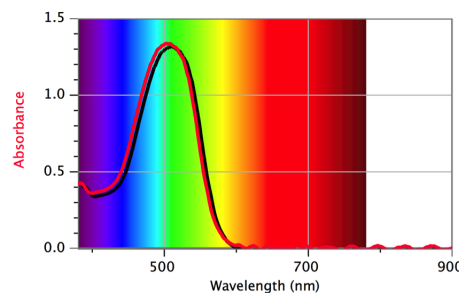
Mike Palazzolo (Schaumburg High School)

[Copper etching](#) & [Halloween CO₂ Bubble Caldron](#)/Crystal Ball variation

Jill Serling (Glenbrook South High School)

2 Vernier Items

Jill showed the [Melt Temp Station](#) (\$499) and the [SpectroVis Plus Spectrophotometer](#) (\$399). She shared her plans to use the Melt Temp Station for confirmation and purity of constituents separated from a mixture (AP lab #9), or simple confirmation of covalent compounds in covalent vs. ionic, perhaps intermolecular force comparisons of covalent molecules. She



reported multiple cases for using the spectrophotometer. Here are some links to the labs/activities she mentioned:

Melt Temp

[StopDaPain](#) - separation

SpecVis

[AP Bio photosynthesis lab \(modified from Vernier\)](#)

[Spec Basics Intro](#)

[Full spectrum graphs of "rainbow" colors](#)

[Blue Dye Post Lab](#)

[% Copper in Brass](#)

[Crystal Violet](#) Graphs --- [Lab Instructions](#)

[Phenolphthalein Fading](#)

[FeSCN Eq Constant Data](#) - [Lab](#) - [Logger Pro File](#)

Bobby Cowhey (Glenbrook South)

Bobby shared his "minute of stem" routine that he has in his classroom. Students sign up on a google sheet to share with the class something STEM related that they have read about... they start each class with this... and sometimes (usually) it goes over a minute! See a picture of the google sheet sign up below - students link their article in this shared sheet.

"Minute of STEM" Sign-up 16.17 ☆ 🔄

File Edit View Insert Format Data Tools Add-ons Help Last edit was made yesterday at 10:12 AM by Bobby Cowhey

Minute of STEM Sign-up

A	B	C	D	E	F	G	H
Minute of STEM Sign-up							
(Please Fill in Your Name Once - DO NOT erase anyone's name who has already signed up!)							
Date:	Day:	Block:	Name:		Date:	Day:	Block:
9/7	Wednesday	Block 1 - Block 2 -	Mr. Cowhey Mr. Cowhey		11/2	Wednesday	Block 1 - Block 2 -
9/9	Friday	Block 1 - Block 2 -	James Kurtzweil Nicholas Antonoglu		11/4	Friday	Block 1 - Block 2 -
9/13	Tuesday	Block 1 - Block 2 -	IMTS 2016		11/8	Tuesday	Block 1 - Block 2 -
9/15	Thursday	Block 1 - Block 2 -	Mr. Cowhey Ella Prillaman		11/10	Thursday	Block 1 - Block 2 -

Russ Kohnken

Chem Olympiad

Parin Patel (Niles West High School)

Parin shared his whole class inquiry engineering project for his current unit - [put put boats](#). Students spent about three class periods designing a boat that would go the fastest/furthest(?)

Some conversation was had about what curriculum went along to allow time for these inquiry projects in addition to the "whole class inquiry" method credited his colleague, Mike Nocella, for introducing him to this concept. Joan Gallagher published a [book on Whole Class Inquiry](#) with Dennis Smithenry.

Avrom Litin

ACS high school day

Jill(?)

Mentioned [SCARCE](#) as a great place to donate old books/school supplies - check out their [site](#) for a list of what donations they accept! <https://www.scarce.org/>