

Chem II 1/20

Plans for

Chem II Innovation Innovation

Participants: Carolyn Brewer:

• Brandi Irvin

• Heather Simmons

Possible Innovation: Carolyn will be teaching Acids/Bases/pH. We will work on planning this unit.

Heather + Brandi will develop literacy strategies (reading + writing) to go along with this unit.

Suzie Ramirez

I am using my math club of 25 high potential/opt.ed 4, 5, 6th graders. We will be doing food labs. Because we are in the elementary school, I believe it benefit the students to introduce chemistry concepts with the familiar subject of food. There is a need in my school for a place for these advanced students to think outside of the box. The only place chemistry enter the elementary school is fourth grade. There is also a need for more emphasis on scientific method instead of BSES.

Leah Moorhead

Implimented & Revised

"Acid in your stomache"

Cap.

Has already been taught.

Damon
Smerchek

- My innovation is going to be implementing writing conclusions for labs & writing in lab notebooks
- This will happen in my chem class during organ chem or biochem sections

1/20/07

Michelle Lancaster

Lab on separation of a mixture.

- Students given mixture of sand, salt, iron, & wood chips. Students required to separate out all the parts.
- Students given specific amounts of each substance & graded on % recovered.

Innovation -
Action Research . .

Jessica Snaffer
1/20/07
Chem 2 SFU

Last semester I started an after-school science club with lessons created by Sharon + Jo. This semester I am doing the after-school club again, but with adjustments made from what I learned last time.

The topics are chromatography, pH of acids and bases, and density.

Kathy Dodrill

Innovation Plan

Six Week Science Club

Goal: Provide background experiences for students who have demonstrated a lack of prior knowledge.

Students will receive an invitation to participate in the club. The chosen participants will include (hopefully if parents give permission) a few ELL students that I know will benefit from the experience.

Brett
Boyles

Innovation

— Progress Labs

I will be doing after-school chemistry labs with a small group of students, using the labs developed by Sharon. In Littleton, there is no Chemistry for 7th grade, it is all reserved for 8th grade. There is already an interest by students for this.

Charles Orestovich

Chem II - SFU

1-20-07

Innovation Ideas,

① Continue Chem I literacy work to improve CSAP scores in science by focusing on reading and writing standards / skills.

② Streamline ~~the~~ the chpt four unit on solubility for the IPS course work. Still using and/or improving SE steps while also using literacy skills we have practiced to help students develop and connect unit terminology to real life examples.

Things I am doing until Mid April

- Finish Density
- Small unit on solubility
- Sludge test
- CSAP Review days
- Start Chem I Xas & Atomic structure unit

Clarissa
Roberts

Chem II
1.20.07

My students can define a solution & various terms but they are not connecting how things mix or dissolve as part of properties of matter.

My plan is to do some of the activity/
Lesson 1: What's a solution & activity 2: A Dandy
Candy Solution. I will re-work the worksheets
& possibly activities to help them make connections.
And possibly re-work it to make it easier
for my E.L.L. students to use.

Sung Back - Possible Innovations

- I took the "Dangers of Ocean Acidification" Article and incorporated it into ~~the~~ ~~my~~ my environmental Science class.
- I had students look at an exclusion brainstorming list of 20 words I created and pick out the ones they thought they would see and why.
- Then to break the reading into smaller sections, I broke the article into 6 sections and assigned it to 6 groups of 4 students. Then I gave each group a few notecards and markers. Their job was to read their section, look for any words from the list then create a notecard w/ the word and definition.
- When all the groups were ready, we made a class concept map of five words by taping them to the whiteboard. I asked for volunteers and one student at a time would come up, connect their word & describe to the class why.

Future students could just add their word and leave or rearrange previous words if they wanted. To evaluate I had students do a pre → post write on a prompt.

Christine Lundy

SFM: Innovation for Chem 2

Pre-test & Post-test student knowledge about elements, compounds & mixtures. After the pre-test, I will follow a 5-E learning cycle incorporating many literacy strategies. ~~It is~~ It is my goal that student scores will improve (")

The need for this innovation is that students are not taught elements, compounds & mixtures prior to 8th grade CSAP. It is not part of the Jettco curriculum at any prior grade level. None-the-less, it is tested on CSAP. Yahoo.