Teaching Science as Inquiry (TSI) Lesson Plan Module 2: Chemical Aquatic Science

Name: Earyn H	errmann		
Activity: Electroly		2	
the concept 2. What are your classro of To continue to water by new	logical point as position of the position of t	aria Chemi	scaffoldis ndation o operties of cal Physica
This activity Compounds, Electrodes Material des	binding, deco	learning goals? Chemical term omposition, ele middle school Brd week Ill address (N/A) priva	ctrolysis,
The difference soda and soll water 7. Select the Ocean Lite (check all that apply) 1. The E 2. The c 3. The c 4. The c 5. The c 6. The c	es of running Seeing the gracy Principle(s) that you can be an and life in the oce ocean is a major influence ocean makes earth habitocean supports a great of the seed of the of the	an shape the features of the ce on weather and climate. table diversity of life and ecosyster nextricably interconnected	address.

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Preparation 8. How will you prepare your students for this activity? (For example, review of prior knowledge.) We Mimatte H20 models with marsh mallows. The and toothpicks. One large one dipped in strawberry-vanilla flavoring with 2 little ones strawberry-vanilla. We reviewed Brainpops bunding, and in blue-vanilla. We reviewed Brainpops
9. Explain any instructional struggles that you foresee and how you will address these
issues (For example, student misconcentions, classroom discussion, aspects most
difficult for students to grasp, etc.) The students understanding of
difficult for students to grasp, etc.) The students understanding of how the atoms come together and how they we separated is complex, we will not do
cenarated is complex, we will not do
the Equations or try to go into too much detail. Simple explanations of anode & Cathode are (K.) Questioning and Assessment Strategies 10. What questioning strategies will you use to below your students meet your learning.
the Equations or Try To g
detail. Simple explanations of anode & carnoae
Questioning and Assessment Strategies
THE Wings augestoning estatation will you lied to halp your etudante most your lagraing

10. What questioning strategies will you use to help your students meet your learning goals?

Will use the Achivity Questions from the Module 2 Prompts and allow them to discuss amongst their lab partners while Observing the electrolysis lab

11. What assessment strategies will you use to help your students meet your learning goals and monitor their progress?

Observing the electron.

What assessment strategies will you use to help your students meet your learning goals and monitor their progress?, will use the TSI material the way we did it in the workship in order to be consistent with the workship in order to be consistent with the methodology and content. Also, Journal writing the methodology and content. Also, Journal writing peer to sharing.

Use the following table to plan your lesson using TSI.

For each phase:

- Mode(s): List the Mode(s) of Inquiry you will incorporate
- Teacher: Describe what you will be doing
- Student: Describe what your students will be doing
- Assess: Describe how you will assess your students in this phase so you can monitor their progress through the activity

*Modes: Curiosity, Description, Authoritative knowledge, Experimentation, Product evaluation, Technology, Replication, Induction, Deduction, Transitive knowledge

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"The periodic labe card game for review, We watched the Youtube clip about clectrons of the Natherlassite for the older students.
The The Mebsite for the older students.



12. Briefly describe how you will direct your students through the Phases of Inquiry.

We will try to incorporate more metacognition and awareness about the 'thinking' process we will discuss if it is an action, or communication or thought. Then we will trace the steps and place arrows to indicate trace the steps and place arrows to indicate the phase.

13. What will be the overarching mode(s) of this activity? Why?

H will probably be curiosity the experimentation because those are the best for this activity.

Please provide any additional comments that will help you prepare to teach this activity or help the TSI facilitators understand how you plan to teach this activity.

I plan to follow the TSI Activity the way it was presented at the workshop.