

Thursday, February 27, 2014

Unit: Chemistry

Lesson 1

Big Ideas

History of Chemistry

Chemical symbols

Reading the periodic table

Objectives

1. Students will be able to use their prior knowledge and context vocabulary to read text about chemistry.
2. Students will be able to identify key contributors to the study of chemistry over time.

Materials

Science Notebooks

Science books

Powerpoint on the history of chemistry

Procedures/Strategy

1. Students will enter the classroom and take down the I can statements in their notebooks. Teacher will go over the statements as objectives of the day, preparing the students for the busy lab day.
2. Activation of prior knowledge (Engage): What is chemistry? How do we use chemistry in our lives everyday?
3. Explore: Story of Niels Bohr and the Nobel Prize.
4. Explain: History of chemistry powerpoint.
 - Students will collect guided notes from the front of the room for their notebooks
 - Students engage in active note taking.

Content Vocabulary

Chemistry

Atom

Element

Model

Evaluation

1. Formative

Think/Pair/Share, Class Discussion/Thumbs up/ down

2. Summative

N/A

Extensions/Next Steps

- Target students who express concern after thumbs up down activity with reading and extended direct instruction
- Next Lesson: History of Chemistry continued
- Homework: None.