

Element Sway/Information Fluency

Purpose: research an element using information fluency and share your knowledge with your classmates by making your own Sway. You will form a deeper understanding of the elements that make up the periodic table and develop digital research skills that will aid you in your high school career. Use these sites for your learning:

- 1) Learn about Information Fluency: <http://myriverside.sd43.bc.ca/seanr-2014/elemental-infofluency/>
- 2) Learn about making a Sway and embedding in your Edublog: <https://youtu.be/I5CA5JKH1Dc>

PART 1: Research your element and create your Sway

Choose a unique element with an atomic number greater than 36. Using tools you learned about in your digital learning class, gather information about your element. These details **minimally meet** expectations:

What is your element?

- Colour
- State at room temp.
- Melting point
- Boiling point
- Common uses
- Interesting characteristics

How was your element discovered?

- Who discovered it?
- When was it discovered?
- Who named it?
- How was it discovered?
- How is it used?

Periodic table information:

- Element Name
- Symbol
- Atomic number
- Atomic mass
- # of protons
- # of neutrons
- # of electrons

Using Office 365 Sway, create a Sway sharing what you learned about your element.

Source information:

- List all websites used to research your element
- Use at least three different sites
- Include appropriately sited pictures

Part 1: What your Science 9 teacher is looking for:

| | Does not meet - 1-2 | Minimally Meets - 3 | Fully Meets - 4 | Exceeds - 5 |
|-----------------|--|---|--|---|
| Element Content | Has no facts telling about the element. | Contains minimal information about the element. | Contains correct information about the element. | Contains many facts about the element including interesting not well-known facts. |
| Sway Quality | Has no visuals. Sway short. Some straight copied work. | Minimal visuals that aid in the message. Sway could have more detail. | Sufficient visuals that aid in the message. Sway flows smoothly. | Well-sited images and videos clearly share element. Extra effort. |

Part 2: The making of your Sway

In the same post where you uploaded your sway to Edublogs, you will reflect on how you gathered the information. Please answer the questions below, put this post in your Science 9 category, and tag it ADL23element.



Ask
Acquire
Analyze
Apply
Assess

- 1) What questions did you need to research in order to create your sway?
- 2) What new or familiar digital tools did you try to use as you worked through this project?
- 3) What was the process you used to investigate the topic and how did you verify and cite the information you found?
- 4) How did the process of completing this challenge go? What could you have done better?

Part 2: What your Applications of Digital Literacy 10 teacher is looking for:

| | Emerging 1-2 | Developing 3 | Proficient 4 | Extending 5 |
|---|--|--|---|---|
| ASK What are the questions you are trying to answer? | No guiding questions included in the post. | Shared 1 or 2 guiding questions. | Found some guiding questions but could have probed deeper. | Successfully found good questions to guide research. |
| ACQUIRE How did you try to answer your questions? | Struggled to find tools to gather the necessary details to answer the questions. | Used a single search engine to gather information. | Used a search engine and 1 other tool to gather information (Google, Youtube, Gale Engage, Pexels). | Successfully provided evidence of multiple digital tool use (Google, Youtube, Gale Engage, Pexels, Citation Machine). |
| ANALYZE Did you find relevant information to answer your questions and cite where you found it? | Information does not answer your questions in your assignment; partial or complete copies of digital sources used. (UNACCEPTABLE) | Found information to answer your questions but information is minimal; the work is original but the sources are not cited. | Found accurate information to answer your questions; Simple citing of sources. | Successfully answered your questions with information from a variety of sources; complete citing of sources. |
| ASSESS How did the process go? | No reflection on the product or the process of completing the assignment | Simple reflection on the product/process of the project. No insight into examining the process or the final outcome of the assignment. | Examines the product/process but limited improvements shared. | Honestly and critically examines the product and process and can demonstrate where improvements could have been made. |

Element name: _____ Due date: _____