



Petroglyphs: Snippets of Data

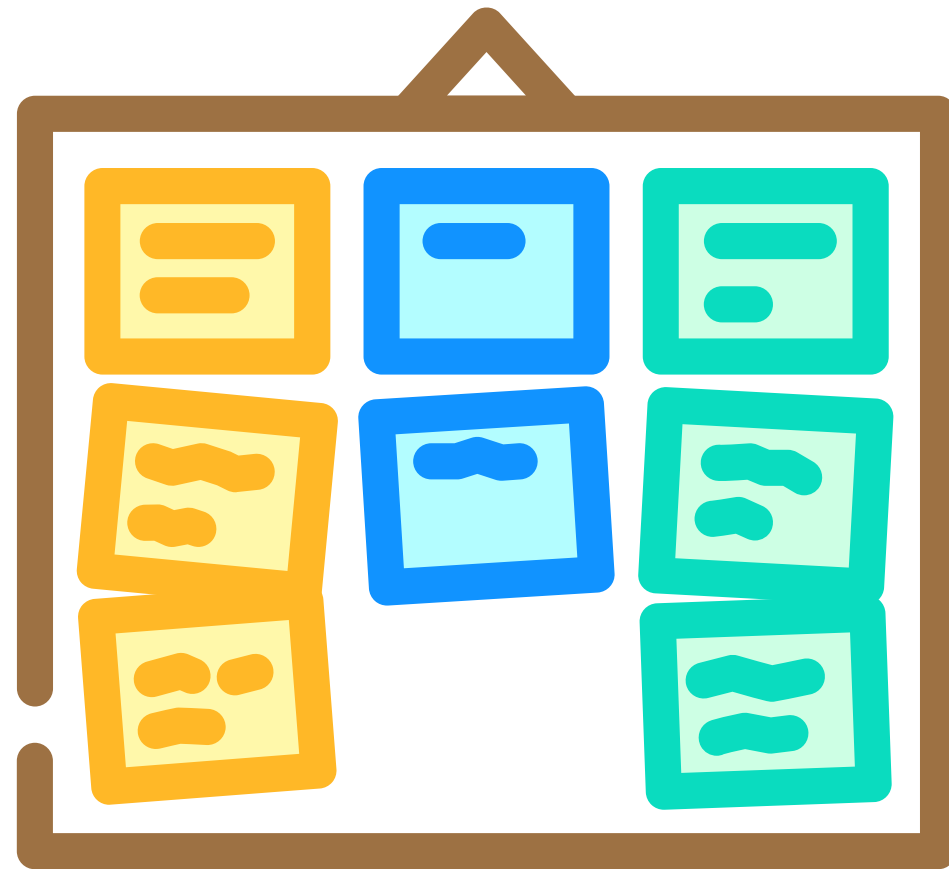
Objective:

- Through card sorting activity, I can describe at least two criteria for what makes something data.
- By etching a petroglyph and interpreting others' petroglyphs, I will be able to explain why one cannot conclude the true meaning of a petroglyph and provide at least one reason for the need for multiple perspectives in science on the exit ticket.

Success Criteria:

- Complete card sorting activity with a partner
- Etch a petroglyph on a tablet
- Participate in a discussion related to themes within interpreting petroglyphs (need multiple lines of evidence and cannot conclude the true meaning of a petroglyph)
- Complete elephant exit ticket

CARD SORT



- Work with your partner to categorize the cards as Yes Data or No Data.
- You have 5 minutes.
- Do your best!

DATA

- Data is information that is collected about the world, either knowingly or not.
- It can be facts, figures, or other pieces of information that can be used to learn about something.
- Data can be collected by observing, asking questions, or taking measurements.

WHAT STORY

IS THE DATA

TELLING US?

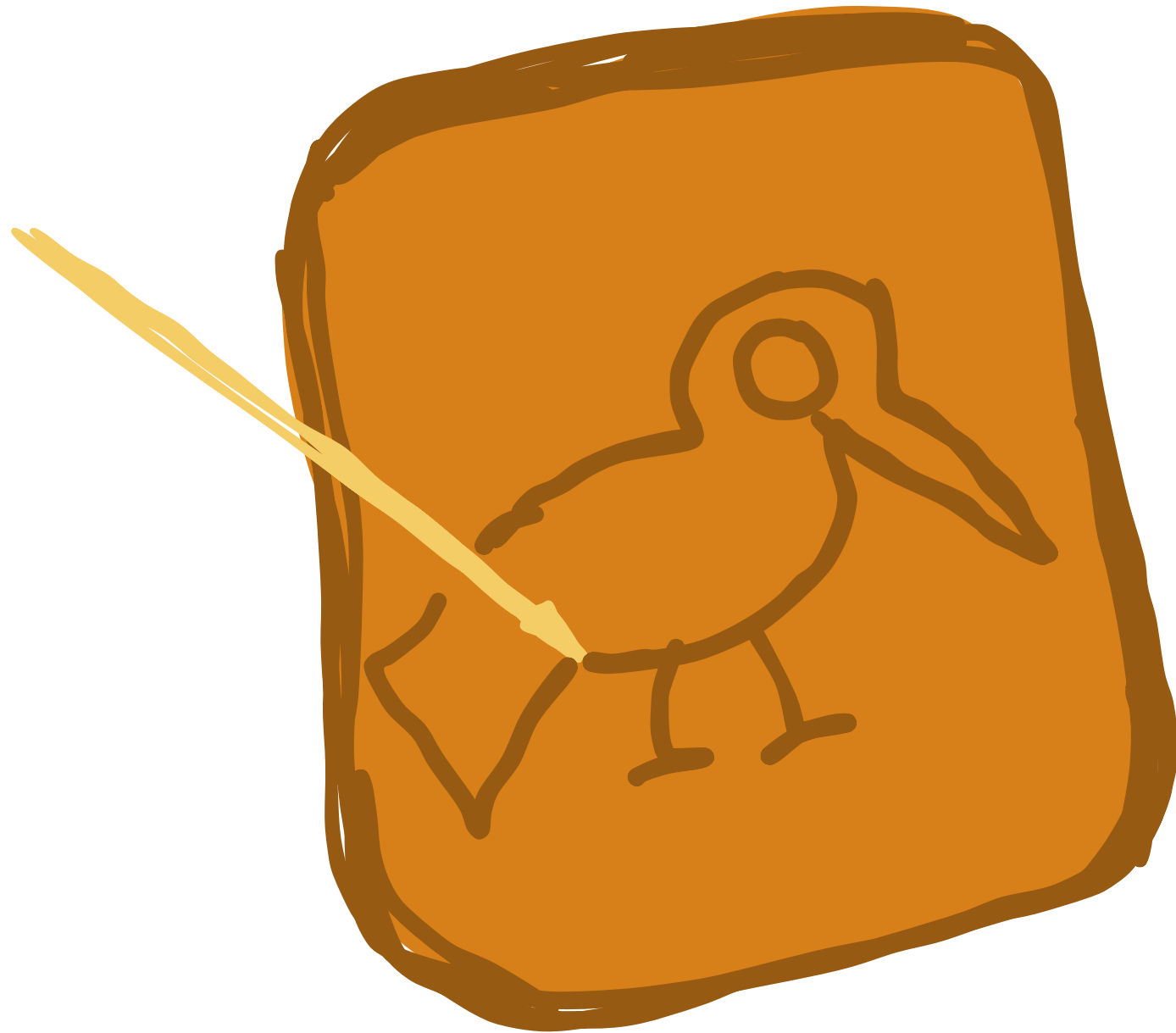
Petroglyphs

- Petroglyphs are pictures carved into rocks by ancient people.
- They tell us about the people who made them and the world they lived in.
- They are like records of events, memories, and stories.

(Image: Mark Lansing)

This double-sun petroglyph at Chaco Canyon National Monument in New Mexico may depict the supernova of 4 July 1054

Carve



1. Each person will be given a clay square and a toothpick.
2. Use the toothpick to carve a design or image representing **your favorite memory.**
3. You will have 5 minutes.

Interpret

- You will lay your petroglyph in the middle of the classroom
- I will pick one petroglyph as a class; we need to **interpret the meaning of the petroglyph** and **who carved it**.
- Record your answers on the board.
- I will use a random generator to pick someone.

Discussion: Shoulder Partner



Can one conclude the true meaning of a petroglyph?

Is science a static or evolving process?

In archeology, they use multiple lines of evidence. What does that mean to you?

Exit ticket

- Complete the complete ticket on a piece of paper.
- How does this image relate to the Petroglyph Activity today?
- Turn it in into the assigned period bin.

