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Grade level: 4-5

Primary source citation: *Bezaleel Wells' Surveying Equipment*, 1772; 1805. McKinley Museum and National Memorial. Accessed at *Ohio Memory*, <http://www.ohiomemory.org/u/?p267401coll36,2844>.

Allow students, in groups or individually, to examine the surveyor's compass located at the above link (or attached) while answering the questions below in order. The questions are designed to guide students into a deeper analysis of the source and sharpen associated cognitive skills.

Level 1: Description

- 1 Describe the shape of the object.
- 2 What materials does it appear were used to make the object?
- 3 About how big do you think it is in real life?

Level 2: Interpretation

- 1 Describe the object in the middle of the circle.
- 2 Now look at an enlarged view of the circle area of the object. Explain what you see.

Level 3: Analysis

- 1 Why do you think there is a pin in the center of the thin metal strip?
- 2 What do the letters around the outer part of the circle tell you about the object?
- 3 What do you think the object is?
- 4 Compare this object to the modern day version. How is it different? How is it the same?
- 5 Make a smart guess about when in history this object was used.

