**Students will be able to..**. Apply scientific reasoning and evidence from ancient Earth materials, meteorites, and other planetary surfaces to construct an account of Earth’s formation and early history.

**Skill**: Constructing Explanation and Defining Solutions

* Apply scientific reasoning to link evidence to the claims to assess the extent to which the reasoning and data support the explanation or conclusion.

**Essential Questions:**

1. In what ways is Earth Dynamic?
2. How do people reconstruct and date events in Earth’s history?
3. What evidence can we gather to tell us about Earth’s past?

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**ACTIVITY**

* **Watch the Following 2 Videos:**

ESS1C - The History of Planet Earth

<http://www.bozemanscience.com/ngs-ess1c-the-history-of-planet-earth>

Constructing Explanations & Designed Solutions

<http://www.bozemanscience.com/ngs-constructing-explanations-designed-solutions>

* **Follow the directions for taking notes (on a separate piece of paper with video titles) on these videos**

**Directions for taking video notes**

1. **First watch the video without taking full notes**. . Think about, and jot down on paper, some possible one- or two-word topic/idea categories for your notes.

2. **Watch the video again, this time taking notes**. Use strategies like bullets, indenting, abbreviating, and jotting down examples. You may need to pause the video so you have time to write

3. **When you finish taking notes on the video,** re-read and add to or edit them.

4. **Write a short summary of the video’s key points or what you learned from watching it**, for example how you would summarize it in 30 seconds to someone who had not watched the video.