

7.2.6 e2 Utah Geologic Timeline Narrative

Time: 75-120 minutes	Anchor Phenomena: The cliffs in Capitol Reef National Park have observable layers (see image on unpacked document).
Big Idea: Layers of rock provide evidence of Earth's history.	
CCCs <u>Time and spatial scale</u>	Practices Make an argument from evidence

EPISODE SNAPSHOT

Students prepare a timeline of Utah and observe the changing geological landscape that is supported by fossil and rock layer evidence.

GATHERING

The students will follow the instructions on the PowerPoint to complete their timeline. There are two options for the actual timeline: either print the template using two 8.5 x 11 pieces of paper per timeline or use register tape and the Utah outlines.

While the PowerPoint instructions are prepared for option A, students can prepare the timelines several different ways:

Option A: as individuals preparing their own timelines

Option B: as groups preparing a timeline together

Option C: as a class –groups work on one of the 'Utahs' and come together to create one complete timeline per class period.

REASONING

Students have to find the evidence that shows what Utah looked like during different geological eras.

COMMUNICATE

After the timelines have been prepared, discuss the changes with the class. What evidence do we have of these changes? (evidence includes fossil records showing past existence of marine organisms in desert Utah)

Assessment: Students show understanding of the changes that have occurred in Utah's geologic history by preparing their timeline.	Materials, resources, handouts, etc. <ul style="list-style-type: none"> ● 7.2.6 e2 UtahHistoryTimeline PPT ● Computers or tablets ● Options for the timeline: <ul style="list-style-type: none"> ○ 7.2.6 e2 UtahTimelineTemplate (printed and cut from two letter size sheets of paper) ○ 7.2.6 e2 UtahOutlines and register paper, or other thin long paper
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