

7.2.2 e3 Where Is Thistle Narrative

Time: 50-90 minutes	Anchor Phenomena: The Himalayas are constantly changing, but not always at the same <u>time</u> or <u>spatial scale</u> .
Big Idea: The Earth's surfaces changes over <u>time</u> .	
CCCs <u>Time and spatial scale</u>	Practices Construct an Explanation

EPISODE SNAPSHOT

Students will experience a history lesson of the town of Thistle and contrast prior research on slow/large changes with the fast/smaller change of the landslide.

GATHERING

Students will first learn about Thistle before the landslide by viewing slides 2 and 3 of the PPT.

They will learn about what happened to the town of Thistle leading up to, during, and after the landslide by first reading article #1 and then looking at the remainder of the slides on the PPT.

REASONING

Students will participate in a discussion about what should happen with the natural dam that was created by the landslide.

COMMUNICATE

Watch the final video (<https://www.ksl.com/?nid=148&sid=31045269>). Students will construct an explanation about how changes to Earth's surface can occur on smaller spatial scales and faster time scales than the earlier phenomenon we have researched. Links to videos that could further understanding are included below.

Assessment: Students will write a CER recognizing that some changes to the Earth's surface can occur on a smaller spatial scale and a faster time scale than shown in the Himalayas and the Grand Canyon.	Materials, resources, handouts, etc. • 7.2.2 e3 WhereIsThistlePPT • 7.2.2 e3 WhereIsThistle • 7.2.2 e3 Thistle01 Trib • 7.2.2 e3 Thistle02 Deseret • 7.2.2 e3 Thistle03 KSL (transcript, use the link on the doc to watch the video) • Further information and resources: ○ https://geology.utah.gov/map-pub/survey-notes/geosights/thistle-landslide/ ○ Mount St. Helens 1980 landslide: https://www.youtube.com/watch?v=Fnjf3c6vp2A ○ Mount St. Helens physics explanation: https://www.youtube.com/watch?v=f7zcYnr6Z0Q ○ Japanese landslide: https://www.youtube.com/watch?v=eR77MhKwAew
---	--