

<p>Essential Question: How did the cliff dwellings at Mesa Verde protect people from the weather?</p> <p>Focus Question: What does weather data reveal?</p> <p>Phenomenon Question: What can we find out by looking at weather data?</p>			
<p>Objective: Use data to describe daily temperature patterns at Mesa Verde.</p>		<p>Materials: Pencil</p>	<p>Projected Slides: 356–359</p>
<p>Share the following items with families in advance of the lesson.</p> <ul style="list-style-type: none"> • Links: Lesson 21c Daily Video • Materials list • Assignment: After watching the video, students draw a picture of the parts of their home that protect them from the weather. 			
<p>Remote Learning Recommendations</p>			
Type	Pacing	Activity	Notes
Hybrid (in-class synchronous and remote asynchronous)	Asynchronous (in Sync)	10–15 minutes	Daily Video Video description: Students work as a class to update the anchor model.
		10 minutes	Assignment The video asks students to draw a picture of the parts of their home that protect them from the weather.
		15 minutes	Virtual Class Meeting (Optional): Science Discourse Ideally this meeting occurs after students watch the video and complete the assignment: <ul style="list-style-type: none"> • <i>Update Anchor Model Remote Alternative</i> Allow students to look more closely at the inside of a cliff dwelling by taking a virtual tour. Show students the Mesa Verde Balcony House virtual tour (CyArk 2020) (http://phdsci.link/1558). Ensure that the black markings on the rocks are visible at some point during the tour. Facilitate a discussion about how the cliff dwellings provide shade on a hot day. Tell students that people were able to stay warm during cold nights by sleeping in the rooms of the cliff dwelling and by building small fires. (Refer to the black markings on the rocks in the virtual tour.) Update the anchor model with a ring of small rocks to represent a fire pit. Then use a black crayon to make markings on the underside of the cliff above the fire pit. Work with students to update the anchor model summary.
Synchronous	5 minutes	Learn	Refer to Teacher Edition to conduct lesson Learn (Projected slides 356–359). <ul style="list-style-type: none"> • Update Anchor Model Update anchor model and send to all students. Give all students a chance to participate either in-person or virtually.

PhD Science in Sync™ Learn Anywhere Plan

Asynchronous	Synchronous	Hybrid
Remote students using in Sync with optional virtual class meeting	Some students in-class and some remote but all participating live	In-class students are synchronous and remote students asynchronous

Works Cited

CyArk. 2020. "Mesa Verde Balcony House." Virtual tour. Accessed October 11, 2020. <https://cyark.org/projects/mesa-verde/virtual-tour>.