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Anchoring Experience

Student Steps:

1. Watch each video and record your observations and prediction below.

		The state of the s
	Video 1	Video 2
Observations. Describe what you saw and heard.		
Which types of damage did you observe caused by this hurricane?		
(This may include some of the same observations from your previous response.)		
Make a prediction. Would you expect the hurricane in Video 1 to cause more damage than the hurricane in Video 2? Why?		

Uncover/Share Your Ideas 1 - Video Lab

Watch the videos of the two hurricanes. Record your observations and identify problems caused by the hurricanes.

How could you explain the difference between these two videos?	Video 2	Video 1	What do you observe happening in each video?
	Video 2	Video 1	Identify and describe problems or difficulties that people have to deal with as a result of this natural hazard.

Watch the two videos showing wind video as the wind speed gets higher.	showing wind in a hurricane and draw a diagram to sho	Watch the two videos showing wind in a hurricane and draw a diagram to show what happens to the forces acting on an object in the video as the wind speed gets higher.
	Video: "Jim Cantore vs. the Category 5 Hurricane" Forces acting on: Jim Cantore	Video: Why Hurricane Categories Make a Difference Forces acting on: the Wall of the House
Category 1		
Category 2		
Category 3		
Category 4		
Category 5		

		Video: "Hurricane Katrina Historic Storm Surge Video - Gulfport, Mississippi" (2016)	Watch the video showing storm surge and draw a diagram to show how storm surge causes damage.	
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how damaging a hurricane is: 5. After watching the videos, think about what you observed and write an explanation for what you think causes the differences between

My explanation: There is a difference in the damages between the least and most damaging hurricanes because:

Evidence and reasoning that supports my explanation:

Uncover/Share Your Ideas 2 - Analyze and interpret past data:

Make a prediction:

Which states do you predict are likely to experience hurricanes that are most damaging?

Work with a partner to identify the characteristics of the most and least damaging hurricanes using the spreadsheet "Hurricanes that hit the United States from 2000-2015".

Most Damaging Hurricanes (2000-2015):

Storm Surge Height:	Maximum Wind Speed:	Shade in the States Affected by this Event:	Year	Economic Damages:	Hurricane Name
Feet	MPH			\$	
Feet	MPH			\$	
Feet	MPH			₩.	

Least Damaging Hurricanes (2000-2015):

US Map source: https://pixaba	Storm Surge Height:	Maximum Wind Speed:	Shade in the States Affected by this Event:	Year	Economic Damages:	Hurricane Name
US Map source: https://pixabav.com/p-35713/?no_redirect ; License: CCO Public Domain; No attribution required	Feet	MPH			\$	
quired	Feet	MPH			₩.	
	Feet	MPH			*	

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The states that are likely to experience the most damage from a hurricane in the future are:

My Claim:

Evidence: The evidence that supports my claim:

Reasoning: (Why this evidence supports my claim):

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