



Evaluation Rubric: Evaluate student understanding of how satellite data helps us understand weather

Weather Forecasting & Satellites

GOAL ► Students will learn that data about the atmosphere from satellites help improve weather monitoring and forecasting.

DIRECTIONS ► Have students find videos of meteorologists sharing weather forecasts and select one to present to their classmates without volume. Students should describe the weather phenomena in the video and types of satellite observations that were included in the forecast video.

TASK	4: Advanced	3: Proficient	2: Partially Proficient	1: Novice
Find video of meteorologists sharing weather forecasts.	Students find video of meteorologist sharing weather forecasts with multiple examples of satellite images.	Students find video of meteorologist sharing weather forecasts that includes satellite imagery.	Students find video of meteorologist sharing weather forecasts, but are not sure if the imagery is from a satellite.	Students do not find video of meteorologist sharing weather forecast using satellite imagery.
Describe weather phenomena.	Descriptions of weather phenomena from the satellite images are complete and insightful.	Descriptions of weather phenomena from the satellite image are complete and reasonable.	Description of the weather phenomena from satellite image is obvious.	Descriptions of the weather phenomena are not based on satellite images.
Describe satellites and how they were used to monitor and forecast weather.	Descriptions include the type of satellite observations in the video and how these satellites improve weather monitoring and forecasting (additional research required).	Descriptions include the types of satellite observations that were included in the forecast video using their own words.	Descriptions include the types of satellite observations that were included in the forecast video using same/similar words as the meteorologist.	There is no description of satellite observations.