

## Unit Overview – Storms

### Essential Questions

- How does air movement and pressure affect the weather?
- What predictions of weather can be made based on weather patterns?

- I totally get it
- I kinda get it
- I don't get it

### What came first:

- (2<sup>nd</sup> Grade) Summarize weather conditions using qualitative and quantitative measures to describe: temperature, wind direction, wind speed, precipitation

### What comes next:

- (High School: Earth and Environmental Science) Explain the formation of typical air masses and the weather systems that result from air mass interactions.
- (High School: Earth and Environmental Science) Explain how cyclonic storms form based on the interactions of air masses.
- (High School: Earth and Environmental Science) Explain changes in global climate due to natural processes.

### Enduring understanding

- The movement of air masses, pressure systems, and frontal boundaries factor into the weather.
- Storms are the results of interactions between moving air masses, pressure systems, and frontal boundaries.
- Differences in air pressure cause Earth's winds and weather to change.

### Important to know and do

- Predict the type of weather changes brought on by changes in air mass, pressure, and frontal boundaries.
- Interpret a weather map that uses symbols for air masses, pressure systems, and frontal boundaries.

### Worth being familiar with

- Tracking tools used to monitor the weather (maps, radar, Doppler, satellite).
- Seasonal changes in the Jet stream affect weather patterns

### Vocabulary to master

<input type="checkbox"/> Hurricane	<input type="checkbox"/> Lightning	<input type="checkbox"/> Storm	<input type="checkbox"/> Storm surge
<input type="checkbox"/> Thunder	<input type="checkbox"/> Thunderstorm	<input type="checkbox"/> Tornado	<input type="checkbox"/> Tropical cyclone
<input type="checkbox"/> Typhoon	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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