



NOAA Boulder Teaching Resources: 2nd Grade Guide



Student Activities

[Adjusting to Climate Extremes](#) Story Map: Learn some of the ways water is changing in the Arctic, ocean, and atmosphere

[Extreme Weather](#) Story Map: Learn about fast moving storms

Classroom Demo: [Tsunami at Home](#) (or in the classroom)

Printable Activities: [Arctic Expedition](#)
[The Speed of Wind](#)
[Precipitation Info Sheet](#)
[Weather Where I Live](#)

Videos

[Ask a Scientist](#): Why is Arctic Ice Melting?
What Causes Wind?
What Causes Floods?
Why do Tornadoes Form?

[Storm Surge Fast Draw](#) - Learn about the power of water
[Ask a Scientist with Nic Arcos](#) - NOAA Boulder scientist Nic Arcos describes tsunamis and what causes them.

[How do Hurricanes Form?](#)
[MOSAIC Expedition](#) - Scientists spent a year living on Arctic ice

SOS Explorer Mobile

Science on a Sphere Explorer Mobile is a free app from NOAA. Put it on a Chromebook or tablet [here](#).

Sea Ice Concentrations Look at September Only to compare changing summer Arctic ice

Tsunami Historical Series See various historic tsunamis

Hurricanes Look at hurricanes, such as Maria and Sandy

Hurricane Tracks (1950-2020) Observe where hurricanes most frequently occur

Temp Anomaly See how the temperature on Earth has changed since the 1880s.

Meeting the Standards

Standard

NOAA Science

- | | |
|---|---|
| <ul style="list-style-type: none"> Some events on Earth occur quickly; others can occur very slowly. | <ul style="list-style-type: none"> Some quickly occurring events are floods, hurricanes and tornadoes Some slowly occurring events are changes in Arctic ice, temperature on Earth, and sea level |
| <ul style="list-style-type: none"> Wind and water can change the shape of the land; models can show the shape and these changes to the land. | <ul style="list-style-type: none"> Land can change due to various events: tsunamis, hurricanes, floods, and rise in sea level |

Request a Virtual Visit with a NOAA Boulder Scientist [here](#).



NOAA Boulder

come be BOLD with us