

VIRTUAL CAREER DAY: Meteorologist

METEOROLOGISTS

Meteorology is the science that focuses on the earth's atmosphere. People who study and work in meteorology are scientists called meteorologists. Some things that meteorologists do include:

- recording data such as air pressure, temperature, and wind speed to forecast daily and weekly weather conditions

- using math, science, and technology to study weather patterns and climate change

- inform the public about upcoming intense weather dangers, and safety precautions

TALKING POINTS



Middle Grades

Interdisciplinary

TALKING POINTS!



As you conclude the talking points, collect checkmarks to check off each item on the list. Use cut (Ctrl+X) and paste (Ctrl+V) to place them in the correct box.

1. ☐ What Is a Meteorologist?
2. ☐ Weather, Climate, and Climate Zones
3. ☐ Weather Forecasters on the News
4. ☐ Debunking Weather Myths
5. ☐ Common Weather Instruments
6. ☐ Prepping for Weather Safety
7. ☐ Becoming a Meteorologist
8. ☐ Reflecting on Meteorology



Integrates Reading



WEATHER SAFETY

Weather safety refers to all the things that you can do to stay safe before, during, and after intense weather. It can sometimes feel scary to think about dangerous weather events happening in the future. It's okay to feel nervous. Just remember that learning about what to do in these situations and making a specific plan with your family and your classmates will give you the best chance of staying safe when and if they do occur!

One big part of a meteorologist's job is to predict intense weather events like earthquakes and tornadoes. They also help keep the public informed about what to do to stay safe during those events.



Writing Exercise

PREPARING FOR SAFETY

TALK
POINT

Click to learn about
earthquake
safety!

What is the most
important thing to do when
you feel an earthquake?



Click to learn about
flood
safety!

List at least three
things to include in a
disaster supply kit.



Click to learn about
lightning
safety!



Both inside and outside,
what should you avoid
during a lightning storm?



Click to learn about
wildfire
safety!

How can people protect
their homes and property
from wildfire?



Engaging & Educational Media



WEATHER VS. CLIMATE

Watch the video to explore the difference between weather and climate, then match the words to their definitions.

climate

weather



: changes in the atmosphere that occur from one moment to the next

: weather and weather patterns in a specific area over long periods of time

Critical Thinking Skills



CLIMATE ZONES

TALK
POINT

Click *here* to explore 6 different climate zones. Then, explore the climate where you live.

1. According to the website, what are two characteristics of polar climates? Name one place in the world that has a polar climate.

2. Think about the climate where you live. How does the climate change through the seasons?

3. Check out the map on the website. Based on your observations of the climate and what the map shows, what climate zone do you live in? Do you agree with the map?

Interactive Movable Pieces

WEATHER INSTRUMENTS

TALKING
POINT

anemometer

barometer

wind vane

rain gauge

Click [here](#) to watch a video exploring six common weather instruments. Then, label the four photos by dragging boxes and briefly describe each instrument's purpose.

