



Science Virtual Learning

**4th Grade Reducing  
Impacts**

**April 10, 2020**

# 4th Grade Science

## Lesson 3

- **Learning Target:** Students will learn solutions to reduce impacts of natural disasters.



## Background Information/Prior Knowledge:

- Students learn about the Earth's surface in 2nd grade
- Students learn about environmental change over time in 3rd grade
- Students learn about types of natural disasters in lesson 2

Let's get started! Watch videos below:

[https://www.youtube.com/watch?v=QZVtgOK8uTw&list=PLQlnTldJs0ZQ67D3cB0HVIAf3H\\_y8u54T](https://www.youtube.com/watch?v=QZVtgOK8uTw&list=PLQlnTldJs0ZQ67D3cB0HVIAf3H_y8u54T)

<https://www.youtube.com/watch?v=2n90HVHRFtg>

# Practice 1:



What do you notice about the sky in this picture?

<https://www.youtube.com/watch?v=QVZExLOOMVVA&t=142s>

Watch the video and consider the following questions:

- What is weather?
- What is the difference between severe weather and weather?
- Could a thunderstorm be identified as severe weather?

## Practice 2:

<https://www.youtube.com/watch?v=xjlPm5Xj24Y&t=5s>

Watch the video above and explain to someone in your house how Mia does each of the 5 steps below:

Prevention

Addressing risk

Preparing

Responding

Recovering

Let's say you have a basketball goal in your driveway. The weather reporter says it is going to be 40-50 mph winds tonight. What might your parents do with the basketball goal to prepare for the heavy winds?

## Practice 3:



What type of severe weather do you think they are trying to prevent? How do you know?



Above is an underground house. What type of severe weather do you think they are trying to prevent? How do you know?

Would you want either of these houses?  
What other types of houses can you think of that might reduce impacts of natural disasters?

## Practice on your own:

Now we are going to look at severe thunderstorms. You may be thinking, thunderstorms are not THAT bad. Well, sometimes they can be dangerous. Here's how...

<https://www.timeforkids.com/g34/what-are-storms/>

Exit ticket: Name **two** ways severe thunderstorms are dangerous to humans and property:

# More practice on your own:

## If you are outdoors:

- Keep an eye at the sky. Look for darkening skies, flashes of lightning, or increasing winds.
- Stay out of water.
- Avoid metal

Name one more safety tip if you are indoors and one more if you are outdoors!

## If you are indoors:

- Do not use electric equipment like computers and appliances
- Stay away from windows and doors, and stay off porches

<https://www.weatherwizkids.com/weather-safety-thunderstorm.htm>

Use this link!!!



## More practice on your own:



Here is a list of some natural disasters, Rate them 1-6. **1** being the most dangerous in your opinion, and **6** being the least dangerous. Once you have rated them, explain to a family member why you chose 1 to be the most dangerous. **Bonus:** think of a way you could reduce impacts for that natural disaster.

Tornadoes	Hurricanes	Floods
Thunderstorms	Earthquakes	Droughts

## Self Check



Go tell someone in your home your answers:

1. Was this lesson?

- easy
- just right
- hard

2. Which natural disaster have you seen in your life?