



South Carolina

Full STEAM Ahead: Connecting Library of Congress Primary Sources and Graphic Novels

Lesson Plan Template

Author(s):

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Grade Level(s):

Kindergarten

Subject:

Science (can be incorporated with Social Studies as well)

Length of Class:

1 hour (can be split into two days)

**Image Citation:**

<https://www.dreamstime.com/natural-disasters-icons-like-earthquake-tsunami-hurricane-avalanche-drought-tornado-natural-disasters-icons-like-earthquake-image114918258>

Lesson Title:	Exploring Weather – Natural Disasters
Overview:	This lesson explores seasonal weather patterns and natural disasters. Students will learn about and discuss what natural disasters are, see examples of some natural disasters (hurricanes, specifically), and discuss how they affect people, plants, and animals.
Learning Objective:	I can describe seasonal weather patterns. I can explain how natural disasters affect people, plants, and animals.
Standards:	Standard K.E.3: The student will demonstrate an understanding of daily and seasonal weather patterns. K.E.3A.3 Obtain and communicate information to support claims about how changes in seasons affect plants and animals. K.E.3A.4 Define problems caused by the effects of weather on human activities and design solutions or devices to solve the problem.
Essential Question:	What is weather and how does it affect our lives?
Supporting Question(s):	1. What is a natural disaster? 2. How do natural disasters affect people, plants, and animals?
Digital Primary and Secondary Sources:	 <p>https://www.loc.gov/item/2010630838/</p>



<https://www.loc.gov/resource/highsm.04055/?r=-0.105,-0.011,1.205,0.741,0>



<https://www.loc.gov/resource/highsm.04054/>



<https://www.loc.gov/resource/highsm.04024/?r=-0.064,-0.011,1.123,0.69,0>

Required Classroom Materials:	Computer Board Pencil Paper (worksheets)
Classroom Environment:	This lesson can be completed in a whole group setting. Students can sit in their desks, or on the carpet. For the read aloud, students will need to sit on the rug/floor as the teacher reads in order to see the pictures.
Differentiation and Adaptations:	Picture cards can be used to show specific examples of each natural disaster. <u>Natural Disasters Activity</u> Students who have iPads can explore additional books and videos of natural disasters on school reading and/or video apps.

Lesson Sequence/Procedures	
Estimated Time Needed	Detailed Description of Teaching and Learning
5-10 minutes	<ul style="list-style-type: none"> - Introduction: When you hear the word ‘disaster’ what do you think of? Confirm that it means something bad has happened. - Discuss ‘natural disasters’ and explain that these are disasters that happen naturally, all because of nature. - Explain that in some seasons, certain natural disasters occur because of the weather and patterns that occur during that season. - Briefly discuss different natural disasters such as tornadoes, floods, earthquakes, volcanic eruptions, etc.
5-10 minutes	<ul style="list-style-type: none"> - Explain that there is one type of disaster in particular that many people have experienced and suffered from. It involves lots of rain. Have students guess that it is a hurricane. - Discuss most recent hurricanes that have occurred in the United States, such as Hurricane Ian.
40 minutes	<ul style="list-style-type: none"> - Introduce hurricane Katrina. Have students watch a video (https://www.youtube.com/watch?v=HbJaMWw4-2Q) on Hurricane Katrina, then show LOC photos and discuss. - Watch a video on Hurricane Ian (https://www.youtube.com/watch?v=Oo4U6ro5abk). Explain that these

	<p>are two hurricanes that badly affected people, plants, animals, buildings, etc.</p> <ul style="list-style-type: none"> - Discuss how these hurricanes and other natural disasters may have made life hard for people and animals. What happened to the trees and plants? Homes? Buildings? Etc. - Review natural disasters and hurricanes. - Have students draw and color a picture of what it looks like during OR after a hurricane. - Complete a read aloud. (Eye of The Strom: A Book About Hurricanes by Rick Thomas OR The Two Bobbies: A True Story of Hurricane Katrina, Friendship, and Survival) - Discuss the text and compare to what was learned throughout the lesson.
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Assessments:	<ul style="list-style-type: none"> - CFU - Natural Disaster Matching - Draw a picture of a hurricane (during or after it happens) - <u>Severe Weather WS</u>
Learning Extensions:	<ul style="list-style-type: none"> - Read more books on hurricanes - Read more books on other natural disasters - Watch videos on other natural disasters - Flash cards of natural disasters; Guess the disaster