

## Lesson Plan – Social Studies

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<b>Topic</b>	Wind, Rain and Snow
<b>Unit</b>	Weather and Climate
<b>Subject</b>	Geography
<b>Grade</b>	Grade 4-5
<b>Time</b>	<b>50 minutes</b>

### PA Standards

7.2.5. B. Describe the physical processes that shape patterns on Earth's surface.

- Weather and climate influences
- Processes of wind, rain and snow

### NCSS Theme

People, places and environment

### Objectives

After this lesson students will Student will learn the words: equator-ward temperature, pole-ward temperature, humidity, and air pressure, and understand the processes of how wind, rain, or snow happens as the basic weather patterns.

Students will also conduct an Internet investigation on weather names and the images or videos that describe a certain weather phenomenon, and then create a PPT presentation to help recognize different weather patterns, such as breeze, storm, blizzard...

### Materials

Website

<http://www.scholastic.com/kids/weather/sim/game.htm>

Computer lab or classroom where at least three students can share a computer

### Instruction

1. Warm up questions and setting up the equipment. **(10 minutes)**
  - What is the weather today?
  - What was the weather yesterday?
  - Why do we have different weather?
  - Why and how does weather change?
2. Introduce new concepts: equator-ward temperature, pole-ward temperature, humidity, and air pressure.
3. Guide and facilitate students to play the online game to create different kind of weather by manipulating the weather factors. **(15 minutes)**

4. Introduce and discuss on experiment with the weather lab. Assign the project to groups. **(10 minutes)**

[http://teacher.scholastic.com/activities/wwatch/gather\\_data/](http://teacher.scholastic.com/activities/wwatch/gather_data/)

5. Curriculum integration: Technology – Weather forecast

6. **Assessment**

Ask students in groups to create a certain type of weather using the online game “Weather Maker”. **(15 minutes)**