

# INV. 4 ACTIVITY—LOCAL WEATHER TEMPERATURES

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## Local Weather Temperatures

Graph temperature data for one week.

### Materials

Notebook with your Daily Weather tracking from Investigation 3

Graph paper or notebooks

### Suggested Procedure:

- If you haven't already, collect enough temperature data for 7 days for your local area.
- Graph the highest temperatures in one color and the lowest temperatures in another.
- You can put the dates along the bottom and the temperatures along the side.
- You could do a bar graph, line plot graph or a picture graph. .

### Read "The Water Cycle " in *FOSS Science Resources: Water and Climate eBook*

To access the interactive eBook, login to FOSSweb with the user name and password provided by your teacher. Click on the Water and Climate Module, and go to the Media Library. Click on the eBook.

Read "The Water Cycle." Share what you learned with a friend or family member.

### Engage with online activities

To access the Online Activities, login to FOSSweb with the user name and password provided by your teacher. Click on the Water and Climate Module, and go to the Online Activities.

#### • Check out these Tutorials:

- Tutorial: *The Water Cycle*
- Tutorial: *Weather Maps*

# INV. 4 ACTIVITY—RESEARCH CLIMATE REGIONS

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## Materials

Notebook and FOSS Online Resources

## Suggested Procedure

Choose a particular region in the world and study their climate. Use the FOSS resources below to research. Describe your region and some interesting facts about it.

### Read “Climate Regions” in *FOSS Science Resources: Water and Climate eBook*

To access the interactive eBook, login to FOSSweb with the user name and password provided by your teacher. Click on the Water and Climate Module, and go to the Media Library. Click on the eBook.

Read “Climate Regions.”

### View streaming video—*All about Climate and Seasons*, chapters 1–11

To access the videos, login to FOSSweb with the user name and password provided by your teacher. Click on the Water and Climate Module, and go to the Media Library. Click on Streaming Videos.

View *All about Climate and Seasons*.

### Engage with online activities—“Climate Regions Map”

To access the Online Activities, login to FOSSweb with the user name and password provided by your teacher. Click on the Water and Climate Module, and go to the Online Activities.

Check out the Climate Regions Map

# INV. 4 ACTIVITY—RESEARCH FLOODS AND DROUGHTS

## Have you ever experienced a flood or a drought?

- What caused them?
- What reduces floods or droughts?
- What do you do to conserve water?
- How do people deal with natural hazards such as floods or droughts?

Read, and watch videos on FOSSWeb to research either floods or droughts. Interview a family member or someone over the phone who may have some knowledge about droughts or floods. Write a short report what you learned in your notebook.

## Read “Wetland for Flood Control ” and “Conserving Water during Droughts” in *FOSS Science Resources: Water and Climate eBook*

To access the interactive eBook, login to FOSSweb with the user name and password provided by your teacher. Click on the Water and Climate Module, and go to the Media Library. Click on the eBook.

Read: Wetlands for Flood Control

Read: Conserving Water during Droughts

Share what you learned with a friend or family member.

## View streaming video—*Floods*, Chapters 1–6

To access the videos, login to FOSSweb with the user name and password provided by your teacher. Click on the Water and Climate Module, and go to the Media Library. Click on Streaming Videos.

View: *Floods*, Chapter 1-6

**Interview a family member or someone over the phone who may have some knowledge about droughts or floods.**

**In your notebook, write a short report what you learned.**

# INV. 4 ACTIVITY—WEATHER EVENTS

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## **Focus Question: How does weather impact my community?**

- In your notebook write about weather in your community.
- Do you remember a past interesting weather event?
- Can you describe any you remember?
- How did the weather event affect your community?
- Go on a neighborhood walk. Make a map of your neighborhood.

## **View streaming video—*Come a Tide*, chapters 3–5**

To access the videos, login to FOSSweb with the user name and password provided by your teacher. Click on the Water and Climate Module, and go to the Media Library. Click on Streaming Videos.

*View Come a Tide*