



SfS Away from the Classroom!

ES03: World Weather Report (Recommended for Grades 3-5)

Please use the following resources to learn about the weather patterns around the world.

Watch this Video: <https://www.youtube.com/watch?v=qHgs8dcmB4M>

Answer these questions:

- What is the earth's axis?
- What is the equator? What two parts does the equator split the earth into?
- When the spot on the earth that we live on is tilted towards the sun, what season are we in?

Activity: Follow these directions to research six different cities and discover their average monthly temperatures and rainfall amounts. Look for patterns, and draw conclusions.

You will need:

• Computer with access to wifi	• Science notebook	• Pencil
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1. Choose 3 cities located in the northern hemisphere and 3 cities located in the southern hemisphere.
 - If you're not sure which cities to pick, use this list to choose from.

Northern Hemisphere:

Boston, MA	Toronto, Canada	London, England	Berlin, Germany
Stockholm, Sweden	Denver, CO	Sacramento, CA	Albany, NY

Southern Hemisphere:

Lima, Peru	Sydney, Australia	Puntas Arenas, Chile
Cape Town, South Africa	Rio De Janeiro, Brazil	

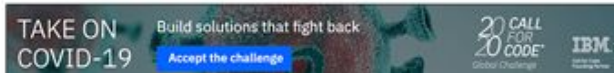
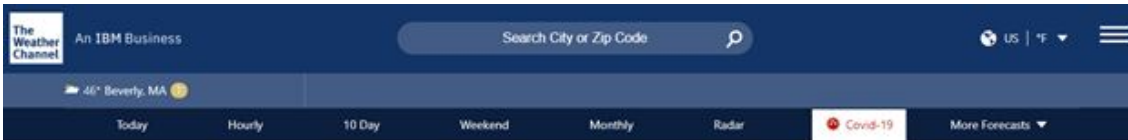
2. Make a chart in your science notebook with 6 columns labeled like this:

City Name	Hemisphere	Warmest Month	Coldest Month	Summer	Winter

3. Go to [The Weather Channel](#) website.

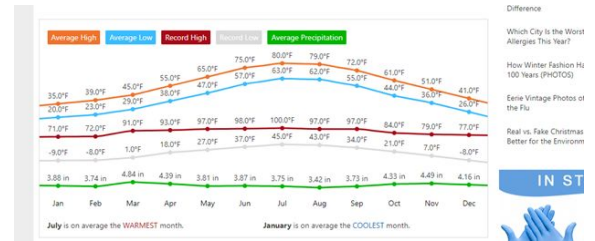


4. Enter in one of the cities you have chosen to research in the top search bar.



5. For each city:

- click on the monthly tab.
- scroll down and you look at the graph of the monthly temperature and precipitation for that city.



6. Record the data for each city in your science notebook.

- Northern or southern hemisphere.
- Which month the city is the warmest, and which month it's the coldest.
- When each city has the seasons of summer and winter.

Make observations & use Claims, Evidence, and Reasoning!

1. **Claim:** Cities in the northern hemisphere have seasons that follow a similar pattern.

- **Evidence:**

- **Reasoning:**

2. **Claim:** Cities in the southern hemisphere and cities in the northern hemisphere have seasons that follow the same patterns but at different times.

- **Evidence:**

- **Reasoning:**