WJCC School Closure Learning Plan - EARTH SCIENCE

Dear WJCC Families,

We are facing significant challenges throughout our nation due to the COVID-19 pandemic. As a result, WJCC Schools will be closed for the remainder of the academic year per the direction of Governor Northam. The Virginia Department of Education will provide guidance on continued teaching and learning over the next few days.

Throughout this time, we will continue to provide resources and activities to support learning. The resources in this packet will help your child practice important skills and review content. This supplemental packet should support learning activities from March 30th – April 3rd. Additional resources may be posted on Student VUE for certain subjects. Students are encouraged to check Student VUE during this time.

This work is not required, and it will not be graded. We simply want families to have access to materials and options during our mandated school closure.

We will be in touch soon with our direction for the remainder of the school year. We hope everyone remains safe and healthy.

Sincerely,
WJCC Staff

Earth Science Learning Plan

Activity 1	Activity 2	Activity 3	Activity 4	Activity 5
Weather Monitoring 1) Make predictions and record data in weather journal	Weather Monitoring 1) Make predictions and record data in weather journal	Weather Monitoring 1) Make predictions and record data in weather journal	Weather Monitoring 1) Make predictions and record data in weather journal	Weather Monitoring 1) Make predictions and record data in weather journal 2) Complete Reflection
Extension Activity				
Consider asking a friend or family member in a different city to complete the same activity. At the end of the week compare your results and discuss why you think the weather was similar or different.				

Student Directions:

1. For one week, you will take on the role of a meteorologist and predict the weather forecast.

2. Before you watch the forecast each day, write down what you think the weather will be based on your observations. You can make observations by going outside and feeling the air temperature, feeling the wind or lack of wind, observing cloud cover and cloud movement, and noticing how humid it feels. Record your data in the first table (Predicted Data).

3. Watch the forecast on WAVY TV 10 on TV or on their website at https://www.wavy.com/forecast/. You can also watch another local TV weather forecast such as WTKR. Their website is https://wtkr.com/weather/. Or Check the weather on your phone's weather app. Then, after watching the forecast or getting the forecast online, record the data in the second table (Actual Data).

4. On Friday, after predicting and collecting weather data for the week, write a response outlining how accurate the meteorologist's forecasts were.

WEATHER FORCASTING JOURNAL

Predicted Data (Do this before watching the forecast)

	Date	High Temp. (ºC and ºF)	Wind Speed (MPH)	Wind Direction	Precip. (Inches)	Sky Conditions
1						
2						
3						
4						
5						

Actual Data (Do this while watching the weather forecast)

	Date	High Temp. (ºC and ºF)	Wind Speed (MPH)	Wind Direction	Precip. (Inches)	Sky Conditions
1						
2						
3						
4						
5						

Reflection

In the space below, write a response outlining how accurate the meteorologist's forecasts were. Be sure to answer the following questions.

- Explain why you think the actual forecast differed from what you predicted.
- Explain your methods for predicting the weather and explain how you think meteorologists predict the weather.
- What tools do meteorologists use?
- What computer models do they use?
- What is the accuracy of these tools and models?
- Feel free to include pictures of the weather each day at the end of your report**.**