

STEM- Distance Learning Activities- April 13- April 24

Ms. Acree's Class

4/13 - 4/17:

Instructions: Follow the choice board here. The Start Here activity, Part 1, Part 2, and the Finish Here activity are required, pick one of the two of the options for Part 1 and for Part 2.

Start Here:	Part 1		Part 2		Finish Here:
REQUIRED	OPTION 1.1	OPTION 1.2	OPTION 2.1	OPTION 2.2	REQUIRED
<p>Part 1: Observe 3 different kinds of plants outside. This can be grass, trees, shrubs, flowers, etc.</p> <p>Part 2: Observe a small sample area outside (about a 1 ft by 1ft area).</p>	<p style="text-align: center;">Venn Diagram</p> <p>Create a triple Venn Diagram comparing and contrasting the three plants you chose.</p>	<p style="text-align: center;">Creative Response</p> <p>Write a short story, create a video, or draw a picture comparing the similarities and differences of the 3 plants you observed.</p>	<p style="text-align: center;">Sample Area Graph</p> <p>-Observe the number of leaves, blades of grass, and other plants. -Create a bar graph comparing the number of each leaves, grass, and other plants.</p>	<p style="text-align: center;">Leaf Journal Graph</p> <p>-Collect all of the leaves in the sample area (if there are no leave- pick a different area) -Categorize the leaves by a system that you choose (for example: shape- round, pointy, irregular; texture, or spine/vein direction -Create a bar graph comparing the number of leaves in each category you choose.</p>	<p style="text-align: center;">End of Week Follow Up</p> <p>Answer the Weekly Follow Up Questions in the form on Teams.</p> <p style="text-align: center;">Weekly Follow Up Form</p>

Office Hours: Mon, Wed, Fri: 12:00pm- 2:00 pm

Tues, Thurs: 4:00 pm- 6:00 pm

- If you message outside of these times, no worries, I will respond as soon as I see it but please be patient.
- The best way to reach me is via Microsoft Teams(students) or Remind (parents).
- If you cannot meet me during Office Hours and need help, please e-mail me at acreeh@leonschools.net and we can set up a specific time that works for you. I am available for phone calls on Tuesdays and Thursdays evenings.

Live Meetings: There will be no live meetings but there will be videos posted on Microsoft Teams to view to help them with the activity for this week.

STEM- Distance Learning Activities- April 20- 24

Ms. Acree's Class

4/20- 4/24:

Instructions: Follow the choice board here. The Start Here activity, one option from the middle, and the Finish Here activity are required. If you are unable to complete the lab activity or watch the video of it, please let Ms. Acree know!

Start Here: REQUIRED	OPTION 1	OPTION 2	OPTION 3	OPTION 4	Finish Here: REQUIRED
<p>Complete the Flower Color Lab or watch the video of it here</p> <p>https://www.youtube.com/watch?v=y9hprlmck44</p>	<p style="text-align: center;">Write</p> <p>Write of reflection of your observations and explanation for what happened.</p>	<p style="text-align: center;">Draw</p> <p>Draw a before and after picture of the flowers. Label the flowers to describe how they changed color and why you think they did.</p>	<p style="text-align: center;">Social Media</p> <p>Share what you have done and describe why you think it happened on social media and tag Ms. Acree (Instagram-@ms.acree127c)</p>	<p style="text-align: center;">Teams</p> <p>Complete the Form on Teams sharing your observations and why you think that happened.</p>	<p style="text-align: center;">End of Week Follow Up</p> <p>Answer the Weekly Follow Up Questions in the form on Teams.</p> <p style="text-align: center;"><u>Weekly Follow Up Form- April 20- 24</u></p>

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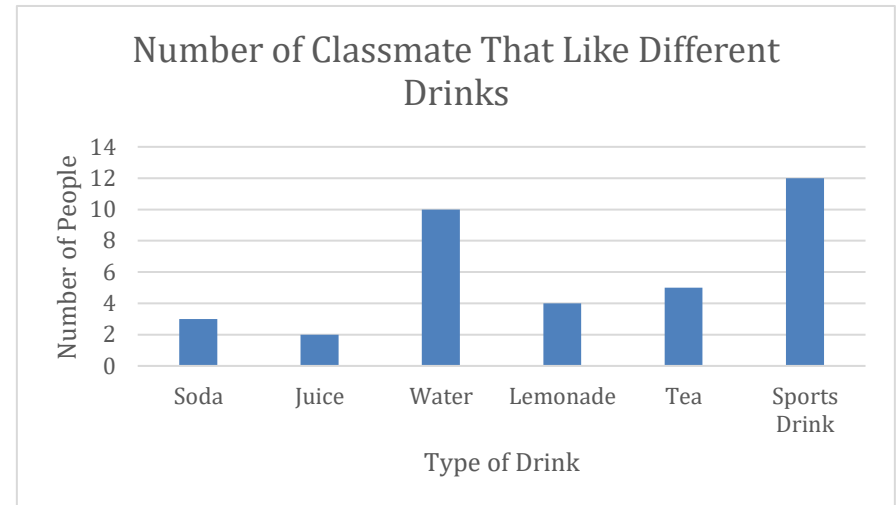
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Ms. Acree's Class

Week of April 13:

Assignments: There are two activities for this week, plus a couple of follow up questions to complete once you have done those activities.

- **Assignment/ Activity 1:** Observe 3 different kinds of plants outside. This can be grass, trees, shrubs, flowers, etc. Complete one of the two activities: in the choice board.
- **Assignment/ Activity 2:** Observe a small sample area outside (about a 1 ft by 1ft area). Complete one of the two activities below using your sample area. See the graph to the right as an example.
- **End of Week Follow Up- Complete the Form on Microsoft Teams.** This his document is attached, please let Ms. Acree know if you will need hard copy, you can also answer the questions on your own paper and submit via email or a picture. If you need to call Ms. Acree to discuss it we can set that up.



Week of April 20:

Activities/Assignments:

1. Complete the Flower Color Lab or Watch the Video of Lab: <https://www.youtube.com/watch?v=y9hprlmck44>

Supplies Needed:

- White flowers (you can get these at the store OR you can look around outside to find some, as long as the flowers are light in color this should work)
- Liquid food coloring of your choice (or paint mixed in water, or Kool-Aid, or dark fruit juice)
- Cups (1 per color)
- Water

Instructions:

1. Carefully use scissors to trim down the stems of the flower so they fit your cups or glasses
 2. Add water to each cup.
 3. Then put about 10-15 drops of food coloring in the water and stir until it is well mixed.
 4. Add at least one flower to each glass of colored water.
 5. Check in on the flowers every couple of hours and observe any changes.
 6. Record your observations (feel free to take pictures!)
 7. Why do you think the this happened?
2. **Observe what happens and describe why you think it happened.** Choose one of the options in the choice board to share your observations and why you think this happened.
- **End of Week Follow Up- Complete the Form on Microsoft Teams.** This document is attached, same directions as last week.

STEM- Distance Learning Activities- April 20- 24

Ms. Acree's Class

Name: _____

Date: _____

Class Pd: _____

Weekly STEM Follow Up Questions

Each week, students will be expected to answer these two questions based on the activity done throughout the week.

Submission Options:

- Complete this Form in Microsoft Teams
- Write down your answers, take a picture and send it to Ms. Acree.
- Schedule a phone call with Ms. Acree to discuss the activity for the week and your answers to these questions.

1. Which Science and Engineering Practices did you use this week? You may choose up to 3. (2 Points)

- Ask questions or define problems
- Develop and Use Models
- Plan and Carry Out an Investigation
- Analyze and Interpret Data
- Use Mathematics and Computational Thinking
- Construct Explanations and Design Solutions
- Engage in Argument from Evidence
- Obtain, Evaluate, and Communicate Information

2. Please describe how you did the science or engineering practice that you selected in question #1 this week. If you selected more than one Science/Engineering Practice you only have to describe one. *Please use complete sentences. (8 Points)
