

STEAM Mini – Science of Rainbows

Name _____

Part A: Measurement Challenge

1. Complete the challenge following the directions provided by your teacher.
2. Complete the chart after you are done.

Test Tube	A	B	C	D	E	F
Observations						
Amount (mL)						

3. How do your results compare to other groups?
4. Why is accuracy important in this lab?

Part B: Color Wheels

1. Complete the color wheel activity following the directions provided by your teacher.
2. What were your results? Explain using words and diagrams.
3. Work with your tablemates to write a definition for each with examples.

Primary colors

Secondary colors

Part C: Cool Colors

Watch the video in class and then decide which cool experiment you would like to try! You may work with a partner. Make a list of the materials you'll need and a description of what you will do. Have your experiment approved by the teacher.

1. Materials Needed – Make a list and decide who will bring in each item.
2. What will you do? Write a description and have it approved by the teacher.
3. Discussion Questions – AFTER you have completed the experiment, answer these questions.
 - A. What did you observe as you completed your experiment?
 - B. How did your experiment compare to the one in the video? Explain.
 - C. In scientific terms, explain your observations.