

Mad Scientist Experiment



STEM

Are you ready to become a mad scientist? It's time to put your science skills to the test, and see if you can create the fizziest kitchen concoction! There are plenty of materials that you can find in your own kitchen to test new chemical combinations. Use your sense of smell, touch, sight and hearing, and find out for yourself what sorts of things you can create! Grab a grown up to help, and have fun exploring!

Materials:

- 5 Containers of various sizes and shapes (beakers, test tubes, bottles, vases, etc.)
- Water
- Various materials/ingredients from your kitchen (Olive oil, vanilla extract, white vinegar, baking soda, food coloring, dish soap, flower petals, grass, leaves, chopped herbs, etc.)
- Concoction Chart
- Pen or pencil

Directions:

1. Collect your materials.
2. (Optional) Label your containers: Trial 1, 2, 3, 4, and 5.
3. Fill each container halfway up with water.
4. Test out different combinations of ingredients in your containers, and then record your observations in the **Creation Record Chart**.



Scientific Method:

- **Hypothesize:** make a prediction of what will happen before adding an ingredient.
- **Experiment:** Add an ingredient to your trial.
- **Analyze:** Use your senses to observe your experiment. What do you see? Hear? Feel? Smell?
- **Record Results:** Write down your observations.
- **Repeat:** Test your experiment again in a new trial with new ingredients.

Tips:

- Make sure you have a grown up with you at all times.
- **DO NOT TASTE OR EAT ANY PART OF YOUR EXPERIMENT!**
- Conduct your experiment in a place and/or on a place that is easily cleaned.
- Want to look the part? Make some goggles and an apron to suit up for the lab!
- Have fun! Make your best mad scientist laugh!



Creation Record Chart



Record your observations and data throughout your experiment using this chart.

Name of Creation:

Name of Mad Scientist:

Date of Experiment:

Trial #:	Hypothesis:	Experiment:	Analyze:	Result:
Trial 1				
Trial 2				
Trial 3				
Trial 4				
Trial 5				

