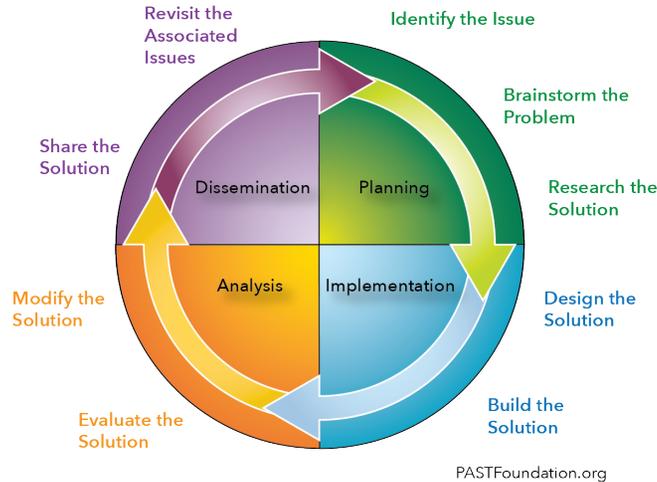


Snowstorm Exploration



Problem Scenario: Winter is here and that means snow! Snow falls from the sky and creates beautiful winter days. Create your very own snow storm!

Challenge: Create your very own snow storm and explore the science behind it!

Materials:

Tall clear jar (mason jar)
White paint (or blue)
Alka-Seltzer tablets (broken into smaller pieces)
Baby Oil
Warm Water
Optional: Glitter

Brainstorm: Work together to answer the following questions and make a prediction:

1. What are Alka-Seltzer tablets used for?
2. Will the oil and water mix when you add them together into the jar?
3. What do you think the white paint represents?

Prediction: What do you think will happen when you add the Alka-Seltzer tablets to the jar of baby oil and water?

Design/Build:

Pre-prep: Mix white paint with warm water, but only enjoy to turn the water a white color

1. Fill the jar about 3/4 full of baby oil.
2. Fill the remainder of the jar with the warm white water.
3. If you choose to add glitter, sprinkle it on and wait for it to settle.
4. Add a piece of an Alka-Seltzer tablet
5. Observe!

Evaluate:

Was your prediction correct?

How long did it take for there to be a reaction?

What do you think the bubbles are made up of?

Why do you think the oil and water didn't mix?

Do you think this is a good representation of what happens during a real snow storm?

Modify: Here are a few modifications you can make!

Try the experiment using cold water instead of warm. How did this change the outcome?

Try putting in smaller and large pieces of the Alka-Seltzer tablets.

Try to add more water than baby oil. Was the reaction the same?

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