

Chase's Crazy Canola Crafts and Science Experiments!

Fizzy Chaos! ⁴

Amelia Duffy is curious and would like you to help her find out what might happen when vinegar and baking soda are mixed together. This activity will leave you with a fizzy-good-time. Make sure to work with an adult to help where necessary.

Materials:

- Medium - large sized mixing bowl
- 1 cup flour [250 mL]
- 1 cup baking soda [250 mL]
- ¼ cup canola oil [60 mL]
- Food colouring - oil based, or 1 tsp of non-water based, powdered food colouring
- Vinegar
- Spray bottle
- Spoon
- Whisk [optional]
- Moulds or cookie cutters [optional]

Instructions:

1. Make a **prediction** [a best guess] about what might happen when baking soda and vinegar are mixed together. Ask your teacher or adult for examples of when they might mix vinegar and baking soda together in the kitchen.
2. Mix the flour and baking soda in a bowl - it is safe to use your hands!
3. Measure a half cup of vegetable oil in a liquid measuring cup. Add a couple drops of food colouring or 1 teaspoon of powdered, food colouring to the oil. Mix with a spoon or whisk.
Note: the colour will appear a lot darker in the oil than the final colour when mixing with the dry ingredients.
4. Carefully, add the coloured oil to the bowl. Use a large spoon to mix the ingredients.
Note: the food colouring may leave temporary stains on your hands, so use a mixing tool to avoid unwanted colour on your hands.
5. Play with the dough to form shapes or a scene involving canola flowers! If you like, use cookie cutters or moulds to help get you started.
6. Fill a spray bottle with vinegar. Spray the dough gently and watch how the vinegar reacts to form fizz!
7. Was your prediction correct? Yes or no? Can you think of any other questions you might have to test from this experiment that may help Amelia in the future?
8. Clean up.

