

Activity Idea

HIDDEN COLORS EXPERIMENT

Recommended for Ages 3+

Toddler and Young Children Science Experiment

This hidden color experiment teaches toddlers and young children simple science. They will experience chemical reactions and cause and effect. This activity also encourages hand eye coordination and color vocabulary.

Supplies Needed:

- Muffin tin
- Plastic storage bin
- Food coloring
- Baking soda
- Spoon
- Vinegar
- Squeeze or spray bottle

Instructions:

The set up for this experiment is quick and easy. First, place a muffin tin in a plastic storage bin. This activity can be a little messy so the plastic storage bin will prevent spills and make clean up easier. If you do not have a storage bin the experiment can be conducted outside.

Put a different color drop of food coloring in each muffin tin hole. You can mix colors to create different shades. Next, cover the drop of food coloring in each hole with a spoonful of baking soda. The baking soda does not need to fill the hole, it just needs to cover the food coloring.

Pour vinegar into a squeeze or spray bottle that is easy for your child to use. Each muffin tin hole will need a small splash of vinegar to reveal the color, you do not need a large amount in the squeeze or spray bottle. Once the preparation is done, hand your child the squeeze or spray bottle of vinegar. Have them put a few squirts or drops in each muffin tin to reveal the hidden colors.