



MAKE A CRYSTAL TREE

Celebrate the Jamaaliday with this cool science project!

WHAT YOU'LL NEED:

- Cardboard (like from a cereal box, or the back of a pad of paper)
- Pencil / Ruler / Scissors
- Dish or bowl
- 3 tablespoons of water
- 3 tablespoons salt
- Food Coloring
- Measuring spoons
- 1 ½ tablespoons ammonia (ask an adult for help when using chemicals!)
- 3 tablespoons bluing (used to whiten clothes, found at the grocery store)



HOW TO DO IT:

1. Start by cutting two triangles out of the cardboard. They should be the same size. You can use the ruler to measure - make sure they can fit inside the bowl or dish you will be using in this experiment.
2. Now, cut a slit from the bottom to the middle of one of the triangles. Then, cut a slit from the top to the middle of the other triangle. Put them together to form a three-dimensional tree. You can cut the edges of the triangles to make it look more like a tree.
3. In the dish or bowl, combine the water, ammonia, bluing and salt. Remember to ask an adult for help when using household chemicals like ammonia!
4. Place some food coloring on the edges of the cardboard tree you created.
5. Put the tree in the solution and place the entire dish or bowl in a place where it won't be disturbed. Watch what happens!
6. As the solution evaporates it will leave behind salt crystals on the tree you made, forming a beautiful crystal creation! Experiment by using different types of salt and tinkering with the solution to see if you can get bigger or smaller crystals!

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