

Supplies For Christmas Science Experiments

1. Snowball Shooter

Materials needed:

- TP tube
- White paper
- Glue Stick
- Tape
- Balloon
- Cotton balls or white pom poms
- Ribbon, fabric scraps or Washi Tape (optional)

Tools needed:

- Scissors
- Markers

2. 2-Ingredient Fake Snow

Materials Needed:

- Baking soda
- Ice water
- Bowl/Tray

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3. Christmas Magic Milk

Materials needed:

- Milk
- Dish soap
- Food coloring
- Bowl/Plate/Tray

Tools Needed:

- Q-Tip

4. Christmas Baking Soda Science

Materials needed:

- Baking soda
- Vinegar
- Food coloring
- Plate

Tools needed:

- Cookie cutters (optional)

5. Ice Ornaments

Materials needed:

- Water
- Organic materials (branches, leaves etc.)
- String of any kind
- Bowl/Tray

6. DIY Star Ornaments

Materials and tools needed:

- Optional (Paper, felt, dough, wood etc.)

7. Snow Fort

Materials needed:

- Snow

Tools needed:

- Winter gloves
- Snow shovel (optional)

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8. Snow Storm In A Jar

Materials needed:

- Vegetable/Baby oil
- Washable School Paint/Food coloring
- Alka Seltzer Tablets
- Jar, bottle or cup

9. Dissolving Candy Canes

Materials needed:

- 3 containers of the same size
- 3 identical candy canes
- Vinegar
- Water

10. Crystal Snowflake Ornaments

Materials needed:

- White pipe cleaners
- Borax
- String of any kind
- Dowels

Tools needed:

- Scissors

11. Melting Snow Experiment

Materials needed:

- Salt
- Snow
- Two plates

12. DIY Stained Glass Ornaments

Ingredients Needed:

- Hard candy in liquid form (either from store-bought Jolly Ranchers or homemade from water, sugar and corn syrup)
- 3 large egg whites
- 1 tsp vanilla extract
- 4 cups powdered sugar
- 1/2 tsp cream of tartar
- Pretzel rods or sticks

Tools Needed:

- Pot
- Candy thermometer
- Spoon
- Stove top
- Mixer
- Measuring cups and spoons
- Aluminum foil
- Heat-safe surface
- Piping bag

13. Magnetic Christmas Tree

Materials needed:

- Brown and green paper (for the tree)
- Small decorations
- Small magnets
- Metal sheet
- Glue

Tools needed:

- Scissors

14. Evergreen Science

Materials needed:

- Evergreen tree and Evergreen tree parts
- Bowls
- Jars
- Water

Tools needed:

- Scissors
- Markers

15. Spinning Christmas Tree

Materials needed:

- Copper wires
- AA batteries
- Paper (for the tiny tree)
- Sprinkles and small ornaments for decorations

Tools needed:

- Pliers
- Scissors

16. Crystal Candy Canes

Materials needed:

- Borax
- Red and white pipe cleaners
- Nylon thread or dental floss
- Curling ribbon

Tools needed:

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- Pencil

17. Gingerbread Ornaments

Materials needed if it's a gingerbread cookie:

- 3/4 cup butter, softened
- 1 cup sugar
- 1 large egg
- 1/4 cup molasses
- 2-1/4 cups all-purpose flour
- 2 teaspoons ground ginger
- 1 teaspoon baking soda
- 3/4 teaspoon ground cinnamon
- 1/2 teaspoon ground cloves
- 1/4 teaspoon salt
- Add sugar according to preference
- Small edible decorations
- Any kind of string

Materials needed if it's wood:

- Gingerbread man shaped wood
- Glue
- Buttons and other small decorations
- Kid paint
- Any kind of string

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18. DIY Reindeer Toothpaste

Materials needed:

- A bottle with a narrow top
- Dish soap
- Food coloring
- Essential oils (optional)
- Hydrogen peroxide
- Hot water
- Dry yeast
- Bowl
- Small bowls
- Large tray

Tools needed:

- Spoon

19. Marshmallow Snowmen

Materials needed:

- Cold Marshmallows (from the fridge)
- Skewer
- Edible decorations

20. Christmas Tree Slime

Materials needed:

- Bottle of PVA glue (green for that Christmas slime)
- Water
- Baking soda
- Contact lens solution
- Decoration (optional)
- Green food coloring (optional)
- Bowl

21. Grinch's Heart Experiment

Materials needed:

- Plate
- Plastic bottle
- Balloon
- Vinegar
- Baking soda
- Rubber band

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Tools needed:

- Marker (optional, if you want to draw a heart)

22. Hot Chocolate Science

Materials needed:

- Two or more identical cups/mugs
- Hot cocoa powder
- Milk/Water
- Marshmallows

23. Bubbling Christmas Lights Science Experiment

Materials needed:

- Plastic globe ornament with a removable top
- AlkaSeltzer tablets

- Mineral/Vegetable oil
- Food coloring
- Water

24. Bubbling Snow Globe Science Experiment

Materials needed:

- Empty snow globe with a removable bottom
- Mineral/Vegetable oil
- Blue coloring
- Alka Seltzer tablets
- Glue
- Decorations (optional)

25. Flying Reindeer

Materials needed:

- Glue
- Paper/Plastic straw
- Measuring tape

Tools needed:

- Scissors
- Transfer pipette

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