

# Calling Curious Scientists!

## Fun Experiments to Try at Home...

Ready to unleash your inner scientist? Look no further! Here are some exciting experiments you can do at home using everyday materials. Get ready to explore, discover, and have a blast!

### Safety First!

*Remember, **adult supervision** is recommended for all experiments.*

*Always wear safety goggles and gloves when necessary and clean up afterwards.*

### Science in the Kitchen:

- **Volcano Power:** Create a mini-volcano using baking soda, vinegar, and dish soap. Watch it erupt like a real one! (Remember adult supervision with vinegar)
- **Dancing Raisins:** Make raisins do the twist in a glass of soda water! Explore the properties of density and carbon dioxide.
- **Rainbow Celery:** Dye celery stalks different colours and watch them magically "drink" up the water, revealing a rainbow inside! Learn about capillary action.

### Amazing Physics:

- **Balloon Rocket:** Build a rocket powered by air pressure using a balloon, straw, and string. Launch it and explore Newton's Laws of Motion.
- **Walking Water Rainbow:** Create a mesmerising rainbow in a dish using water, oil, and food colouring. Discover principles of density and surface tension.
- **Egg Drop Challenge:** Design and build a structure to protect an egg from a fall. Test different materials and learn about impact and force.
- **Mirror Maze:** Make a mind-bending maze using mirrors and cardboard. Explore properties of light and reflection.

## Creative Chemistry:

- **Slime Time:** Whip up some gooey slime with glue, borax, and food colouring. Experiment with different textures and colours.
- **Crystal Garden:** Grow your own dazzling crystals using sugar, water, and food colouring. Explore the process of crystallisation.
- **Elephant Toothpaste:** Witness a foamy eruption with hydrogen peroxide, dish soap, and yeast. Be amazed by the chemical reaction.

Don't be afraid to get creative! Change up the experiments, try new materials, and ask questions. The best scientists are always curious and never stop exploring!

So, what are you waiting for? Grab your lab coat (or kitchen apron) and get ready for some scientific fun!