

# 10 STEAM Projects for Kids Aged 5–8 Using Household Items

## 1. Balloon-Powered Car

Use a balloon, straws, bottle caps, and cardboard to build a car powered by air pressure.

## 2. Sink or Float Experiment

Test various household items in a bowl of water to explore buoyancy.

## 3. Color Mixing with Ice Cubes

Mix frozen colored ice cubes and observe how they blend as they melt.

## 4. Paper Bridges

Construct bridges using paper and test their strength with coins.

## 5. Shadow Puppets

Cut out shapes and use a flashlight to cast and explore shadows.

## 6. Homemade Slime

Mix glue, baking soda, and contact lens solution to create slime.

## 7. Marshmallow Tower

Use spaghetti and marshmallows to build the tallest possible structure.

## 8. Nature Collage

Collect leaves and twigs during a walk and use them to make art.

## 9. Ball Drop Timing

Drop balls from a height and time how long they take to fall.

## 10. Recycled Instruments

Create instruments like shakers and drums using cans, rice, and rubber bands.

### Printable Checklist:

- Balloon
- Straws
- Bottle caps
- Cardboard
- Ice cube tray
- Food coloring
- Paper
- Flashlight
- Glue
- Baking soda
- Contact lens solution
- Spaghetti sticks
- Marshmallows
- Stopwatch
- Small balls
- Measuring tape
- Cans
- Rubber bands
- Leaves and twigs

### Tips for Parents:

- Always supervise activities.
- Use these projects as bonding opportunities.
- Let children lead and explore at their own pace.