

Science Fair Project Topic Ideas 2025

Physics (Forces, Motion, Energy)

- Does the shape of an object affect how it moves through water?
- How does the type of surface affect the distance a toy car travels when pushed?
- Does the angle of a ramp affect how far a ball rolls?
- How does the size of a parachute affect the time it takes to fall?
- How does air pressure in a soccer ball affect how high it bounces?
- How does the type of ball (soccer, basketball, tennis) affect how high it bounces?
- Does the size of a rubber ball affect how high it bounces?
- Does the size of a rubber band affect how far it stretches?
- How does the size of a paper airplane's wings affect how far it flies?
- How does the shape of a kite affect its stability and flight in the wind?
- Does the size of a magnet affect its strength?
- Does the temperature of a magnet affect its strength?
- Which type of paper can hold the most weight before tearing?
- How does the type of surface (grass, pavement, sand) affect how far a soccer ball rolls?

Chemistry (Materials, Reactions, States of Matter)

- What is the effect of different liquids on the rate of ice cube melting?
- Does the temperature of water affect how quickly it evaporates?
- How does water temperature affect the dissolving rate of sugar?
- How does the presence of salt affect the freezing point of water?
- What is the effect of different types of salt (table, sea, rock) on how fast ice melts?
- What type of material (wood, metal, plastic) is the best conductor of heat?
- Does the brand of battery affect how long a flashlight stays lit?
- What is the effect of different liquids (water, vinegar, lemon juice) on cleaning a penny?

- How does the type of liquid (water, oil, syrup) affect how food coloring spreads?
 - How does temperature affect the strength of glue bonds?
 - What is the effect of insulation materials on how long an ice cube lasts?
 - Does the container material (plastic, metal, glass) affect how quickly water cools?
 - What is the effect of different types of soap on bubble size and duration?
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Biology (Plants, Living Systems, Environment)

- What is the effect of different amounts of fertilizer on plant growth?
 - How do different pH levels in water affect plant growth?
 - How does the type of light (natural, fluorescent, LED) affect seedling growth?
 - Does the color of light affect plant growth?
 - How does the type of soil (sand, clay, loam) affect drainage rate?
 - How does the type of material (cotton, wool, nylon) affect the warmth of a glove?
 - What is the effect of different fabrics (cotton, wool, polyester) on water absorption?
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Engineering / Human Factors

- How does the amount of air in a balloon affect how long it stays inflated?
- Does the shape of a paper boat affect how well it floats in water?
- Which materials are the best insulators for keeping drinks cold in a lunchbox?
- What is the effect of different brands of paper towels on absorbency?
- How does the amount of baking powder affect the height of a muffin's rise?
- Does the amount of yeast in dough affect how quickly it rises?
- What is the effect of different types of music on a person's heart rate?
- What is the effect of different types of music on concentration?
- How does wind speed (fan) affect the evaporation rate of water?
- Does the shape of an object affect how it casts a shadow?