

Science Fair Project Ideas

Physical Science: Things Move (K-2)

Push and Pull

Is it easier to pull a wagon or push a wagon? Why?

Do different types of tires make it harder or easier to pedal a bicycle?

What makes pounding nails into different types of materials easier?

Is it easiest to push a toy truck on sand, gravel, grass, or pavement?

Does the number of pulleys affect the amount of force needed to lift an object?

Speed

Do different types of liquids affect the speed of objects that fall through them?

How does the angle of a roller coaster change its speed?

Which type of turn will allow a speed skater to move fastest from one point to another?

Does the angle of a playground slide affect how fast you slide down?

Do marbles of different sizes roll down a slope at different rates?

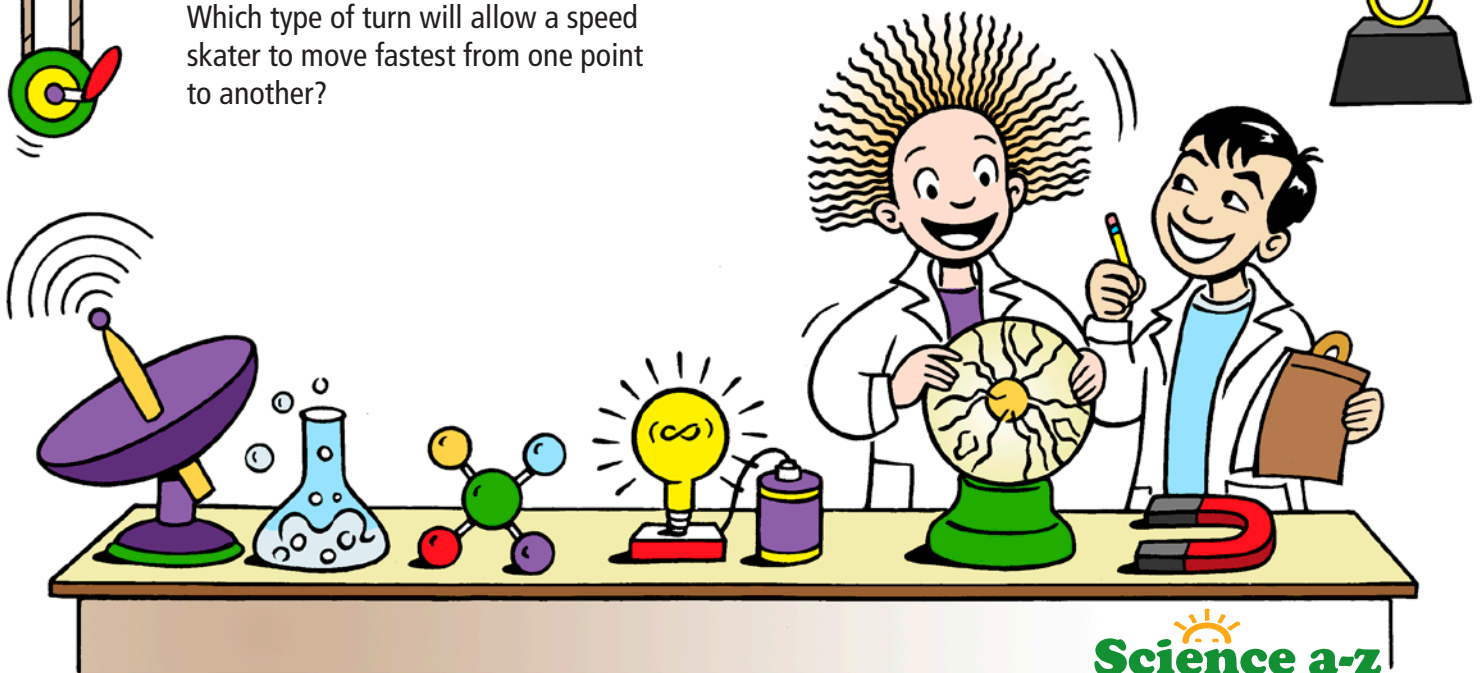
Friction

How do different surfaces affect the distance that a toy car will roll?

Does a toy car move fastest down a slope covered in ice, aluminum foil, or sandpaper?

How do different sizes of pipe affect how quickly water will travel through them?

Which paper airplane design causes a plane to fly farthest through air?





MORE Science Fair Project Ideas
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Weight

How much force is needed to push a swing with different amounts of weights?

Does the weight of a solid rubber ball affect the height of its bounce?

Does a closed plastic container that has been filled with sand fall faster than the same container when empty?

How much weight is needed to lift an object using one pulley? Two? Three?

Gravity

How does weight affect the rate at which an object falls?

Would an egg, a pencil, or a feather fall to the ground fastest?

Is there a limit to how high a solid rubber ball will bounce?

Does a tennis ball bounce differently when heated or cooled?

How high does a basketball bounce when filled with different amounts of air?

Do marbles of different sizes sink in water at different rates?

Does the size of a parachute change how quickly an object falls?

Does the shape of a parachute change how quickly an object falls?

Does a tomato plant grow faster when it is grown upside down or right side up?

Is it easier to go up or down stairs?

