

All About Forces

Have you ever pushed a swing or pulled open a door? These everyday actions are examples of forces! A force is a push or a pull that can make things move, stop, or change direction. Let's learn more about it.

How Forces Make Things Move

Forces are what make objects start moving, stop, or change direction. **For example**, when you push a toy car, it rolls forward because of the force you used. **Also**, pulling a wagon toward you makes it move in your direction. **Without forces**, things would just stay still and never move at all!

Types of Forces

There are different types of forces that affect how things move. **Gravity**, for example, is the force that pulls objects down toward Earth—it's the reason we don't float away! **Friction** is another force that slows things down when they rub together, like when you slide on the floor in socks. **In addition**, magnetic force can pull or push objects without even touching them.

Interesting Facts About Forces

- **Did you know** astronauts feel almost no gravity in space, so they float?
- **Also**, roller coasters use many different forces to move fast and slow down safely.
- **Believe it or not**, air can push too—this is called air resistance, and it's what makes parachutes float gently to the ground!