

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 play a key role in how things move and 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. Another example is when you kick a soccer ball—it moves across the field because of the force from your foot.

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. Magnetic force, **on the other hand**, can make certain objects move by attracting or repelling them without contact.

Interesting Facts About Forces

- **Did you know** astronauts feel almost no gravity in space, so they float?
- Without gravity, you would float into space like a balloon.
- The Moon doesn't fall to Earth because of gravity and motion working together!