

FANTASTIC FORCES

► What Is a Force?

A force is simply a push or pull on an object. Whenever an object has been pushed or pulled, a force has acted upon the object. Simple actions such as picking up a pencil, riding a bike or tying your shoelaces all require force.



► What Can Forces Do?

A force can make an object start to move. A force can also make a moving object move faster or slower, or change directions. For example, if you push a ball (that is not moving), it will start to roll along the floor. If you push the rolling ball again with a harder force, the ball will start to roll even faster. If you push the rolling ball from a different side, the ball will change direction.

► What Are Push Forces?

A push is a force that causes an object to move away from the source of the force. You might push a wheelbarrow, or push a friend on a swing. You could push a book closed, or push a key on a keyboard. Pushing an object will move it further away from you.



► What Are Pull Forces?

A pull is a force that causes an object to move towards the source of the force. You might pull open a door, or pull a vegetable out of the soil. You could pull a toy car along the ground by a rope, or you could pull a chair out from underneath a table. Pulling an object will move it closer to you.



► Why Are Forces Important?

Forces make objects start moving and stop moving. They act on our bodies and on everything around us. Without forces, our world would be completely still... and that would be a very boring world, indeed!



Name: _____

Date: _____

Fantastic Forces

1. Draw and label a picture of one of the **push** forces mentioned in the article. Write about what is happening in your drawing.



2. Draw and label a picture of one of the **pull** forces mentioned in the article. Write about what is happening in your drawing.


