Fast and slow motion

Observations

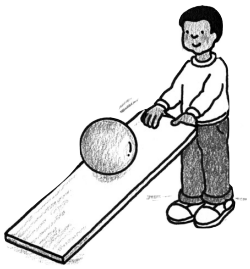
Pushes and pulls are forces that can make things move faster or slower. Pushes and pulls can also make things stop moving.

Science activity

Answer the questions about making things move faster or slower.

How can Jason make the ball roll slower?

.....

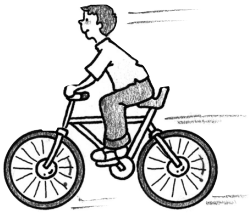


How can Amy make the ball move faster?

.....

How can Luke make the bike go slower?

.....



How can Anna make the ball move faster?

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Science exploration

Design and conduct an experiment to see how you can make a marble move quickly and slowly through a cardboard tube.

Fast and slow motion

Observations

Pushes and pulls are forces that can make things move faster or slower. Pushes and pulls can also make things stop moving.

Science activity

Answer the questions about making things move faster or slower.

How can Jason make the ball roll slower?

He can make the slope less steep.

How can Amy make the ball move faster?

She can kick the ball harder.

How can Luke make the bike go slower?

He can push the pedals more slowly.

How can Anna make the ball move faster?

She can hit the ball harder with the bat.

Science exploration

Explain that gravity is the force that pulls the marble down through the tube. The force of gravity on Earth does not change, but the marble will travel faster when the slope becomes steeper because of reduced friction from the tube.