

Science Lesson Monday Week 3

Open the weblink and read the information page *What is a Force?*

Read the statements. Circle whether they are true or false. For a bonus point, if you think the answer is false, write the correct statement below the question.



1. A push is the only way things move.

True False

2. Gravity is a type of force.

True False

3. A force can't change the shape of something.

True False

4. Forces can only act when objects touch.

True False

5. The ground can't push objects back up.

True False

6. A magnet can pull an object without touching it.

True False

Check your score with your teacher.

My score: _____ / 6

Bonus points: _____

Try it! With a partner or small group, investigate how the strength of a force affects the distance an object moves. Choose an action below to investigate and follow the steps below.

Flick a marble

Kick a soccer ball

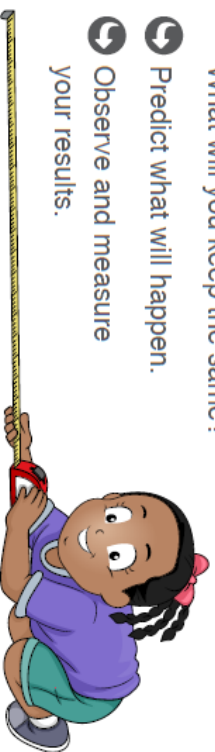
Bat a ball



Plan your experiment

Question: How can I change the distance an object moves?

- ➡ What will you change?
What will you keep the same?
- ➡ Predict what will happen.
- ➡ Observe and measure your results.



Answer: Work out an answer to your question.

Balanced Forces:

<https://www.inquisitive.com/guided-research/1422-balanced-forces>



Use these websites and library books to investigate balanced forces.

Find examples of balanced forces around us then illustrate and label them.

Remember to use arrows to show the direction of the forces.

Optional Task / Extension

Forces are in action all around, constantly pushing, pulling and twisting. How can a force make us feel?

How can a force be fun, terrifying, make us feel like a superhero?

Draw and explain some interesting examples. Include the labelling of the forces at work in each one.

