



# Linked learning theme: Roman Remains

Spring term, Year 3

## Science – Forces

### Prior Knowledge

In EYFS children explored and interacted with magnets.

### Core knowledge

- Forces are pushes and pulls.
- Forces change the motion of an object. This could mean moving, speeding up, slowing down, or stopping.
- Friction is a force that is created between 2 objects trying to move across each other.
- Different surfaces create different amounts of friction.
- A smoother surface creates less friction; a rougher surface creates more friction.

### Key skills

- Ask relevant questions about forces and how they work.
- Observe and identify the different types of forces acting on an object. Create annotated diagrams to show findings.
- Set up a simple experiment to compare how objects move on different surfaces. Make careful observations, record findings, and draw conclusions and links from what has been found.

### Vocabulary

Forces	Surface	Pull	Air resistance
Friction	Push	Gravity	Water resistance

### Learning outcomes:

- I can ask relevant questions about forces and how they work.
- I can observe and identify the different types of forces acting on an object.
- I can create annotated diagrams to show findings.
- I can set up a simple experiment to compare how objects move on different surfaces. Make careful observations, record findings, and draw conclusions.
- I know that forces are pushes and pulls.
- I know about friction and how different surfaces create different amounts of friction.
- I understand that forces change the motion of an object. This could mean moving, speeding up, slowing down, or stopping.