

Learning Flow

Year 3– Term 1– Forces

What do we already know?

- Topic Page – Prior knowledge , What do we already know? What questions do we have? What is a significant individual? How might they have changed our world?

What is a magnet?

- Describe, Observe, Predict.

Consider prior knowledge when asking questions. They independently use a range of question stems. Where appropriate, they answer these questions.

What materials are magnetic?

- Identify and classify.

Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables. Setting up simple practical enquiries, comparative and fair tests.

Magnetic vs non-magnetic?

- Sort/ group into magnetic and non-magnetic
- Make predictions and record observations.

Asking relevant questions and using different types of scientific enquiries to answer them. Making systematic and careful observations. Using straightforward scientific evidence to answer questions. Using results to draw simple conclusions. Reporting on findings from enquiries

Magnetic forces

- Observe, compare and record.

Making systematic and careful observations. Using straightforward scientific evidence to answer questions or to support their findings.

Exploring/ Investigating

- Investigate magnetic forces and their strengths.
- Plan, record, interpret, conclude and evaluate.

Setting up simple practical enquiries. Making systematic and careful observations. Using straightforward scientific evidence to answer questions or support findings. Identifying differences or similarities related to simple scientific ideas and processes. Using results to draw simple conclusions, make predictions for new values.

How do forces affect objects?

- Investigate and compare how objects move on different surfaces.

Identifying differences or similarities related to simple scientific ideas and processes. Setting up simple practical enquiries. Making systematic and careful observations. Using straightforward scientific evidence to answer questions or to support their findings. Reporting on findings from enquiries

What do we know now?

- Knowledge demonstration– video
- Quiz.
- Flashforward– Next term. What do we know?