The Priory Primary School Educational Journey

Year: 3

Term: Autumn 2

Awe & Wonder

Key Questions / Critical Thinking:

What forces influence your life?

- What is dialogue and how is it used in a narrative text?
- How many different ways do you engage in dialogue in everyday life?
- Can you explain the difference between a push and a pull force?
- How do rockets use forces to fly?
- I'm not a rocket scientist yet, can I make a rocket?
- What are magnets and where do they come from?
- How does a compass use magnets?
- If natural forces didn't exist what would happen to us?
- Who is Newton and how many laws did he have?
- What is real world physics?
- How do humans impact the land? Are we a force for good?

Evaluate & Innovate

Opportunities for Evaluation:

Final writing piece – to evaluate your use of dialogue in narrative writing.
Write an explanation of forces for flight through STEM experimentation.
To demonstrate a growing knowledge of physics (forces and magnetism).
Use your natural force as a public speaker/performer of poetry.

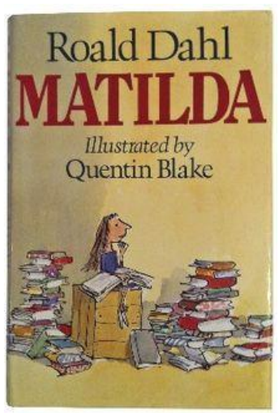
Innovation:

Matilda is using a type of force in the book to move things, write an explanation text explaining how it might work.

Draw a light sabre and explain how it works using your forces knowledge.

Map where magnets are used in your home.

Chart the natural and man-made features of your garden, imagine a past *and* future version using what you learnt on the field trip to inspire you.



Love of Learning:

May the forces be with you!

Matilda by Roald Dahl

Aspire & Inspire

Hooks / Trips / Visits / Speakers:

Use your physics knowledge to ESCAPE THE HALL – The Priory's very own escape room science adventure.

Hot air balloons everywhere! Build your own balloon to explore and write about how forces work

Live and up-close – the world's strongest and most dangerous magnet!

Real Life Links / Cross Curricular Learning:

It's never too early to be a mathematician – what is F=MA anyway?

Neodynium is number 60 on the periodic table – feel the pull of chemistry and start a Periodic Table Element Collection.

Use your knowledge of forces to build a domino run.

Create something man-made in your garden that has a positive impact on your environment.

Effort & Progress

New Knowledge Learnt / Key Outcomes:

To develop writing - to include dialogue alongside description and narrative with increasing skill and improving effect.

To explain scientific knowledge to others through writing.

Developing an understanding of real-world physics through the study of forces and magnetism.

Skills Development:

Developing an understanding of scientific enquiry processes.

Effective use of grammar in writing.

Confidence in performance for public speaking.