

What makes things move?

Year 5 Autumn 1

Big question and our enquiries



In Year 5, our Science lessons will be the main driver to answering the big question 'What makes things move?'. We will then be using this learning across a range of curriculum lessons to help us to design, describe, create and evaluate different contraptions involving movement and force.

Science

Forces

1. Explore gravity and the life and work of Isaac Newton.
2. Examine the connection between air resistance and parachutes.
3. Explore factors which affect an object's ability to resist water.
4. Investigate the effects of friction on different surfaces.
5. Investigate mechanisms – levers and pulleys.
6. Investigate mechanisms – gears

RE

- L1: What are Hindu ideas about the four aims of life?
- L2: How might the idea of 'karma' and reincarnation effect the way you might live your life?
- L3: Why might most Hindus choose to be vegetarian and should others do the same?
- L4: In Which ways have Hindus made a difference to the world-wide community?
- L5 What are Samskaras?
- L6 How do Hindus celebrate Vivaha? (weddings)

DT- Moving Models

- L1. Who is my customer and what do they want from my product?
- L2: Who are the key inventors, designers, engineers, manufacturers of ground breaking products that I can use for inspiration? Research product design
- L3: Why is making a prototype model important during the design stage?
- L4: What techniques do I need to make my model?
- L5: Why should I test and evaluate my product?

Computing

Online Safety:

Understanding online reputation.

Systems and Searching

- L1: What is a computer system?
- L2: What is the role of a computer system?
- L3: How do I use a search engine?
- L4: How do I select my results?
- L5: How are search results ranked?
- L6: How are searches influenced?

PSHE

- L1: Why is it important to include people?
- L2: What is peer pressure?
- L3: What can I do if a friendship gets hard?
- L4: What can I do if a friendship is not making me happy?
- L5: What is the media?
- L6: What is fact and what is fiction?

Art

- LP1: What is tone?
- LP2: How can we paint a tonal portrait with one colour?

Our Outcomes

By investigating our **Big Question** using our enquiry questions we will have:

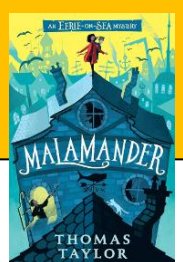
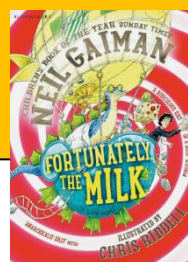
- Carried out a wide range of forces experiments, testing theories and recording our results
- Created sets of instructions to match our forces contraptions
- *Become Journalists through our Newswise project TBC*
- Designed and built working moving models linked to our class text '**Fortunately, The Milk**'

Our Class Books

Fortunately, the Milk by Neil Gaiman

5A- Kick by Mitch Johnson

5B- Malamander by Thomas Taylor



Taught discretely (not part of our Big Question this term)

Maths PE Netball and Gymnastics MfL - La Famille Music- Singing

Our Termly Values

Having a sense of belonging / Happiness & friendship