

# Fabulous Physics

## Texts

- Rosie Revere
- Moon
- Molly's Moon Mission
- Up, Up and Away
- Marvelous Moon Map
- Izzy Gizmo
- Oh no! Where Did Walter Go?

## The Quest

Our stories this half term link to the theme of 'Quest'. We will be enjoying lots of stories that follow the main character on their quest adventure. Will they return triumphantly? We will use story maps and actions to retell stories and learn them off by heart. This will help us to think of our own story ideas. We may even go on a quest ourselves!

## Visitors:

As we begin to return to normal we would like to invite visitors into school to enhance our learning. We welcome visits from family members who would like to talk about hobbies that involve science, such as star gazing. Please let us know if you would like to help!

**Values:** We will focus on the value of **Resourcefulness**. We will learn how to overcome obstacles or difficulties by using our clever thinking and problem solving skills.

## Learning Experiences:

Our learning experience will be based around science. We will explore forces and friction including basic space - Why do things always fall down to the ground when we drop them? Why do our toys stop when we roll them? Why do our hands get hot when we rub them?

We will explore magnetism - What is attracted to a magnet? What can we do with magnets? Would you prefer magnetic feet or magnetic hands?

We will delve into the hot topic of energy and fuel including basic electricity and environmental friendly energy sources. Your child might save the planet from global warming one day and we want their interest to start now.

We will link our learning to the characters in the books we are reading. How will your character power his vehicle/machine/device?

## Key Vocabulary:

We believe that talk is the foundation of all of our learning. We will always seek opportunities to discuss and explore new ideas. Alongside this we will extend our vocabularies through our learning and our play. We will learn many new words as we discover new topics and ideas. For example:

Atmosphere, gravity, gravitational pull, friction  
Attract/repel, magnetism, negative, positive, metal, metallic, hydroelectric, solar, renewable

## Phonics and Early Reading:

We will work in Read, Write, Inc groups each morning to learn our letter sounds, letter formation rhymes and practise our daily reading. **Don't forget to practise your reading folder as often as you can!**

We will enjoy stories that are familiar and build a repertoire of songs and rhymes.

## Role Play:

Our home corner is where children feel safe to play and to continue to establish relationships. We will continue to act out and play our home routines such as, getting ready, cooking meals, taking care of the baby and cleaning.

The home will be receiving new appliances and we will be finding out what they are used for, looking at how they work and what goes on inside them.

## Big Maths Objectives:

We will consolidate our learning from autumn term by mastering our counting skills. We will be able to count forwards and back. We will rearrange groups and know the total is still the same. We will make representations of numbers up to 10-20 and begin to find bonds for all numbers up to 6. We will explore the value of number and link value with position in counting -tracks and numberlines—this is a great excuse to play lots of games.

We will compare sets based on quantity linked to data collection and will continue to make and explain patterns. We will learn to name 2D shapes and talk about their properties and begin to find 2D shapes on 3D objects.

# Reception