

YEAR 6 AUTUMN TERM 2021-2022

TEACHERS: MRS NAVEED AHMED / MS NADIA NAZIM

SCIENCE OVERVIEW

What will we be covering this term?

1st Half Term - Electricity

Children will learn to represent circuits using symbols in a diagram. They will learn about two of the most important scientific inventors in the field of electricity – Thomas Edison and Nikola Tesla. Children will get the opportunity to develop their understanding of what electricity is and how to measure it. As well as conducting their own investigation, they will get the opportunity to create their own torch!

2nd Half Term - Light

Light - how we see, shadows, reflection and refraction.

How light travels and how this enables us to see objects.

They will demonstrate their knowledge by making and starring in their own television programme.

How to make a functioning periscope, finding out about mirrors and the angles of reflection and incidence.

They will work scientifically and collaboratively to investigate refraction, carrying out some fascinating experiments into the effects of bending light.

Investigation into the visible spectrum, exploring how light creates the colours we see, designing coded messages.

Learning about Isaac Newton and his theory of light and colour.

How will my child be assessed this term?

During the term there will be ongoing unit tests and an end of term, summative assessment. Children's classwork and unit tests will be checked to assess the progression of each child.

How can I help my child in this subject?

Revise the concepts being taught this term and complete additional work at home to help reinforce concepts.

Encourage your child to read information books from library on topics being studied

Watch Youtube videos, BBC Bitesize and documentaries relating to the topics to reinforce understanding.

Teacher's Marking Key:

✓ = means what you have done well.

NS = Next Steps - is something you need to work on.

TD= Teacher has talked to you about your work

SM = Self marking

PM = Partner marking