

Year 6 – Autumn Term 2nd half



Once we reach December we will be turning our focus towards the theme – Christmas lights. During this topic, we will be exploring electrical circuits, designing and creating Christmas lights (3 weeks)



Outcome: To design and create a Christmas Lights display

Science / DT / ART / Writing

Using our scientific knowledge of electricity and circuits, we will design and make a Christmas decoration that illuminates.

We will need to design our circuit and a structure that is appropriate for the task.

Our model must be able to have lights turned off and on using a switch. We will need to draw a scientific diagram of the circuit.

We will evaluate the effectiveness of both the circuit and the structure created for the illuminations.

Writing: Following our creation of our Christmas illumination, we will write a set of instructions to make and work our models. manual for using and manipulating street scene decoration.



Outcome: Creative writing- to be able to write own Christmas poems and story

We will be looking at a range of different Christmas themed texts.

ENGLISH

We will:

- Explore a range of Christmas stories
- To develop language and sentence structure
- Explore Christmas adverts from the TV and the different ways that the Christmas story is represented
- Write own Christmas story
- Read a range of poems and write our own poems about Christmas lights.

Outcome: to understand how to create and adapt an electrical circuit.

Science

We will be learning about how to make and change an electrical circuit. We will need to explore and experiment with electrical equipment to be able to understand how the circuits will work.

We will learn about:

- Series circuits - to understand the way a series circuit allows the electricity to flow and how it can be made.
- Component functionality – how we can add components to a circuit and be able to turn a light on or off, make a brighter light and make a buzzer work.
- Circuit diagrams – how to plan and draw a scientific diagram of a circuit.

Maths

Towards the end of the term, the focus will move to fractions and decimals. This will involve the adding and subtracting of fractions, conversion of fractions and moving onto the process of multiplying and dividing fractions.

To support their mathematics learning, it is really important for us to have quick recall of multiplication tables and key number facts so please do encourage us to revisit aspects of the Maths Challenge and continue to practise all their times tables. Weekly use of Doodle Maths and Doodle Tables will be encouraged to develop these skills further.

PE

In PE with Mrs Everingham, we will be working on individual ball skills and applying these to netball and football games. Lessons will be focused on improving footwork, sending and receiving the ball, defending and attacking leading up to small competitive games.

In other PE sessions will be a focus on rugby and the skills needed to pass the ball and small sided games. We will also learn how Pilates can help with our fitness.

PSHCE

The unit we will be studying is piece 2 - Celebrating difference. In this we will be thinking about anti-bullying (cyber and homophobic bullying included) and diversity work. We will be taking part in Anti-bullying week in November.

Music

Our unit of music is understanding structure and form. In this unit we will be exploring how different types of music such as traditional pop and classical music is structured into different sections.

We will also be learning and performing songs for our Christmas performance to families.

Computing

Our computing unit is Web page creations. In this we will be designing and creating webpages, giving consideration to copyright, aesthetics and navigation.

French

The topic this term will be clothes. Incorporated within this, we will learn general vocabulary for clothes, revise colours and learn expressions of opinion. We will look at a couple of books relating to clothes and study relevant verbs (to wear, to like, to want) as well as studying certain conjunctions, pronouns and determiners to link in with their English grammar learning.

RE

We will continue our Christianity focus. We will be thinking about what the Gospels said about the birth of Jesus and why this was good news.