

DT

Children will:

- understand how electrical circuits work and identify the components needed to make them function.
- explore and use input and output devices within electrical systems.
- investigate how more complex switches, including tilt switches, can control circuits.
- design a purposeful product.
- construct and test a working product using electrical components safely and accurately.
- evaluate the effectiveness of a finished product and suggest improvements based on testing.

Music

Charanga

Focus song: Classroom Jazz

Children will learn to:

- listen with attention to detail.
- develop an understanding of the history of music
- appreciate and listen to a wide range of music drawn from different composers.

PSHCE

NSPCC: Pants rule and terminology

Police Education: Understanding the Law

Lifewise: Family relationships, screen time, relationships and Autism

White Ribbon Day

Puberty, conception and grooming talks

Computing

E-Safety – Privacy and security. Online reputation, self-image and identity

Programming & Data Logging;

Children will develop their skills involving:

- understand what algorithms are and how they control programs.
- create, test and debug programs to achieve specific outcomes.
- use repetition, selection and variables within programs.
- collect, record and interpret data using data loggers and digital devices.
- analyse data to identify patterns, trends and answer questions.
- evaluate and improve programs and data-handling solutions

RE

What do the gospels tell us about the birth of Jesus?

Children will learn to:

- develop an understanding of what the Gospels reveal about the birth of Jesus
- compare and interpret the nativity accounts found in Matthew and Luke
- explore how Christians use the stories of Jesus' birth to support their beliefs
- evaluate the reliability and significance of gospel accounts as sources of information about Jesus

French

J'habite (Places in town)

Children will:

- learn and practise new vocabulary
- read and write short texts in the target language
- ask and answer questions in French and role-play

Autumn 2

Science

Living things and their habitats

Children will to:

- describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences
- explore living things such as microorganisms, plants and animals
- give reasons for classifying plants and animals based on specific characteristics

PE

NUFC Football

Children will learn how to:

- improve accuracy of dribbling, passing, receiving and shooting skills
- develop decision making, communication and teamwork by applying attacking and defending principles

Swimming

Children will learn how to:

- always demonstrate good water confidence and safe behaviour
- improve stamina, stroke technique and efficiency in the water

Geography

How do we power the world?

Children will learn to:

- understand why electricity is important and how it is generated.
- explain how energy use affects the environment and contributes to climate change.
- identify non-renewable energy sources and the challenges they create.
- explore renewable energy sources and evaluate their advantages and disadvantages.
- investigate how energy is used in everyday life and ways to reduce energy consumption.
- consider who is responsible for energy use and how individuals, businesses and governments can help solve energy issues.