

# Year 6 - Summer Term

## Science

What is classification?

In this unit of work, children will learn about classification of living things, including microorganisms. They will learn the names and characteristics of the main groups used to classify animals, plants and microorganisms. Children will learn to use a classification key and create their own key using yes/no questions. Children will investigate the question: Is yeast a microorganism? And conduct an experiment involving the respiration of yeast. They will produce a presentation about the life and work of Carolus Linnaeus and understand the importance of his standard classification system.

What is light?

During this unit of work, children will consolidate previous learning by exploring the way that light behaves, including light sources, reflection and shadows. Pupils will make predictions and investigate the relationship between light sources, objects and shadows and understand how the eye works. Children will extend their experience of light by looking at rainbows, prisms and bending light in water.

**Art** Sculpture - clay: How can food inspire artists?

In this final clay sculpture unit, children will build on their knowledge and skills of sculpture and clay that they have studied through KS2 and KS1. They will learn from great artists and evaluate and analyse creative works using the language of art. Children will produce their own creative work, exploring their ideas and recording their experiences. They will demonstrate proficiency in sculpture techniques.

**DT** Automata Animals

In this unit, children learn about controlling movement with a cam mechanism as part of an automata animal. They will make a simple cam mechanism to formulate an understanding of how different shaped cams can be used to produce different movements. Children extend their making skills by developing techniques in cutting, shaping and joining to combine components and by selecting tools and equipment to measure and cut wood and card accurately. Peer assessment will be used to improve designs and evaluate final products.

## English

**Non-Fiction: Women in Science**  
To write a biography about an inspiring person

**Fiction: Paraphernalia video**  
To write the story of the film

**Fiction: 'No Other Country' from Tales from Outer Suburbia**  
To write a chronological report/information text about a holiday celebration, rite or ritual either invented or from learning in another subject area

**Poetry: Earth Verse**  
To write haiku poetry about a natural event/process, including technical vocabulary and poetic imagery

## PSHE

Sex and relationship education: Healthy relationships  
Transition: making the transition to secondary school

**RE** What matters most to Christians and Humanists?  
What do religious and non-religious world views teach about caring for the Earth?

## Computing

Creating media - 3D Modelling  
Online safety: When In Doubt, Discuss & Digital Well-being

## Music

**Performance** - The children will perform an end of year musical using their singing skills.  
Children will share their favourite types of music with the class to combine and contrast.

## French

Food at the cafe  
Directions in the city  
Write a pen pal letter

## PE

Athletics, Yoga,  
Cricket & Rounders

## Maths

**Shape:**  
Measure and classify angles  
Calculate angles  
Vertically opposite angles  
Angles in a triangle  
Angles in triangles - special cases  
Angles in a triangle - missing angles  
Angles in quadrilaterals  
Angles in polygons  
Circles  
Draw shapes accurately  
Nets of 3D shapes

**Position and direction:**  
The first quadrant  
Read and plot points in four quadrants  
Solve problems with coordinates  
Translations  
Reflections

Themed projects, consolidation and problem solving

**History** How has crime and punishment changed over time in Britain?

In this crime and punishment unit, children will build on their knowledge of periods in history that they have studied through KS2. Children will explore using different historical disciplinary concepts, how crime and punishment has changed over time in Britain. They will explore what was seen as a crime over time and the different gruesome punishments that were handed out to criminals. The children will find out about the development of the police force from the Victorian period right through to the new millennium.

**Geography** How can our school be more sustainable?

In this unit, children will learn about climate change and its impact. Children will learn how climate change is impacting us now and in the future. They will explore solutions and look at ways to encourage positive change. They will consider what can be done to reduce our impact both short and long term, reinforcing the importance of smaller, everyday actions alongside long term solutions.