

# Year 5 - Summer Term

## Science

How do living things reproduce, and why is this important in a life cycle?

In this unit of work, children will learn the seven life processes that distinguish living from non-living things. They will consolidate and extend previous learning on the life cycles of plants and animals, comparing and describing differences in the life cycles of mammals, amphibians, reptiles, birds and insects. They will learn how animals and plants reproduce by comparing differences and similarities between five different animal groups.

**History** What similarities and differences are there between the Maya civilisation and England from the 8th to the 10th century?

In this unit, children will look at who the Maya were in the 8th-10th century, where in the world they lived and the reasons why they were so successful, particularly in the Classic period. They will learn how we know about the Maya people, their beliefs and the hierarchy system that was in place in society and the important inventions that they made, especially in farming. We will then compare this to the Anglo-Saxons from our previous learning in the Autumn Term with a focus on the similarities and differences between the Maya City States and the Anglo-Saxon Kingdoms; drawing on the archaeological evidence available to us.

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

In this sculpture unit using clay, children will build on their knowledge and skills of sculpture and clay that they have studied through LKS2 and KS1. Children 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 begin to demonstrate proficiency in sculpture techniques.

**DT** Food & nutrition - Central America on a plate - How can we cook a dish that celebrates its cultural flavours?

Embark on a flavorful journey exploring how culture and seasonality define Central American cuisine. Students develop independence by adapting traditional recipes for improved texture and presentation. By mastering a multi-step process, they'll prepare authentic tortillas, salsa, and guacamole with technical precision.

Alongside cooking, children learn vital food safety rules and tool selection. To conclude, they'll evaluate their dishes for taste and authenticity, reflecting on improvements. This unit turns the kitchen into a vibrant, educational cultural classroom—and a very delicious one!

## English

**Fiction: Straw into Gold**  
To write a retelling of a well-known fairy tale from slightly altered perspectives

**Non-fiction: Letter Writing**  
To write a letter of persuasion

**Poetry: Is This a Poem?**  
To write an original poem, making choices and decisions about form and content

**Non-fiction: Happy Here: 10 Stories from Black Authors & Illustrators**  
To write a short story about gaining confidence

## PSHE

Sex and relationship education: Growing up and changing

## RE

What does it mean to be a humanist in Britain today?  
What can be done to reduce racism - can religion help?

## Computing

Creating media - Introduction to vector graphics  
Programming - Selection in quizzes  
Online safety: When In Doubt, Discuss & Digital Well-being

## Music

The children will explore examples of romantic music through Russian composers such as Tchaikovsky and Mussorgsky. Using a painting as inspiration (like Mussorgsky), they will create a melody and an accompaniment of their choice, notating as they wish

**French** Numbers to 100  
At the supermarket

**PE** Athletics, Yoga,  
Cricket & Rounders

## Maths

**Shape:**  
Understand and use degrees  
Classify angles  
Estimate angles  
Measure angles up to 180 degrees  
Draw lines and angles accurately  
Calculate angles around a point and on a straight line  
Regular and irregular polygons  
3D shapes

**Position and direction:**  
Read and plot coordinates  
Problem solving with coordinates  
Translation  
Translation with coordinates  
Lines of symmetry  
Reflection in horizontal and vertical lines

**Decimals:**  
Complements to 1  
Add and subtract decimals across 1  
Add decimals with the same number of decimal places  
Subtract decimals with the same number of decimal places  
Add decimals with different numbers of decimal places  
Subtract decimals with different numbers of decimal places  
Decimal sequences  
Multiply and divide by 10, 100, 1000  
Multiply and divide decimals - missing values

**Negative numbers**  
Understand negative numbers  
Count through zeros in 1s and multiples  
Compare and order negative numbers  
Find the difference

**Converting units**  
Kilograms and kilometres, millimetres and millilitres  
Convert units of length  
Convert between metric and imperial units  
Convert units of time  
Calculate with timetables

**Volume**  
Cubic centimetres  
Compare volume  
Estimate volume  
Estimate capacity

**Geography** What trees, plants and animals are in our local ecosystem?

Students explore UK biomes through a New Forest case study, discovering local biodiversity. After mastering six-figure grid references, they'll conduct fieldwork to investigate plant and animal frequency nearby. By observing, measuring, and recording data, children will analyze results to draw conclusions and evaluate their process. This unit bridges the gap between the classroom and the great outdoors, turning students into capable environmental researchers.