



Orleans Primary School

Year 5 Summer Overview



Science

Animals, including Humans and RSE

We will be looking at the different parts of a life cycle and applying this to a human context, focusing on how humans grow and develop. We will continue this through into our RSE lessons where we will be looking at how the body changes during puberty, discussing both physical and emotional changes.

Forces

In this unit, we will be looking at some of the different forces. We will discuss friction, air resistance, gravity and several others and see how these affect us on a daily basis.

Music

We will continue to build on composition skills, working together to use woodwind instruments. We will also be learning how to use a ukulele.

PE

Remember to wear your PE kit to school. We will be practising our tennis and athletics skills as well as gymnastics!

PE is on **Tuesday** and **Wednesday**.

Computing

This term in Computing, we will be learning how the Mars Rover communicates with Earth and discussing binary code. We will also be practising our Touch Typing before looking at how to program Crumble Robots.

French

Bon appétit, bonne santé! (Healthy eating): Children will revise names of food and drink related to packed lunches and break time snacks. They will revise how to talk about what they have eaten and drunk the previous day. Finally they will make a poster advising their peers in the school on healthy eating activities.

La Vie de Chat! ('A Cat in Paris'): Children revise adjectives, the past tense and the future tense through watching a describing an authentic French film. Finally they write a script of a scene in the film, using verbs, nouns, adjectives and connectives they have learned and practised throughout the year.

RE

Worship: Does everyone worship in the same way? In this topic we will be discussing how different people worship, looking at music, prayer, art and freedom.

Peace: Can peace be created? In this topic we will be discussing the concept of peace across religions and beliefs as well as looking at inner peace.

READING

Children should read for a minimum of **15 mins** at home every night. We do encourage them to read to an adult so they can practice reading aloud.

PLEASE BRING BOOKS AND DIARIES TO SCHOOL EVERY DAY – WE WILL HEAR CHILDREN READ AS OFTEN AS POSSIBLE.

Art – Formal Elements: Architecture

We will be creating observational drawings, focusing on key techniques to accurately create our artwork. We will use a range of different materials to create new pieces.

DT – Textiles: Stuffed Toys

We will be bringing our drawings to life, applying previous skills and learning new stitches to create a stuffed toy.

Geography

Over the Summer Term, we will be developing our Geography skills to consider how volcanoes impact the land around them. We will learn about some of the different volcanoes around the world and discuss why and where they tend to form.

History

We will be starting our new topic in history, focusing on the Maya Civilisation. We will look at how this civilisation grew and why it may have declined. We will also discuss discovered artefacts and how this helps build our knowledge of the civilisation.

English

This term we will be looking at two genres: a work of Modern Fiction and Traditional Tales.

Through these books we will develop a range of skills with the children and will produce several pieces of written work, including:

- Poetry
- Letter of advice
- Descriptive writing
- Script writing
- Short stories
- Story mapping

Maths

Transformations

The children will revise how to describe positions on a 2-D grid as coordinates with both positive and negative numbers. They will identify, describe and represent the position of a shape following a translation and know that the shape has not changed. They will reflect shapes and identify, describe and represent the position of the shape and know that the shape has not changed: it is a congruent shape.

Converting units of measure

We will convert between different units of measure, such as kilometre and metre, gram and kilogram as well as converting between units of time. The children will begin to understand and use approximate equivalences between metric and common imperial units such as inches and pints.

Calculating with whole numbers and decimals

In this unit, the children will become fluent multiplying and dividing by 10, 100 and 1000 with numbers involving decimals. They will use all four operations to solve problems involving measure using decimal notation. The children will extend addition and subtraction calculation strategies for whole numbers to decimal numbers. There is a focus on devising and explaining efficient strategies for different calculations. Formal column methods for addition and subtraction are reviewed and used for calculating with decimal numbers. A variety of other addition and subtraction strategies are extended to use with decimal numbers with a focus on being flexible, accurate and efficient when calculating.

2-D and 3-D Shapes

The children will reason about the properties of 2-D and 3-D shapes, including classify different triangles and quadrilaterals and using knowledge of properties to find missing length, coordinates and angles. They will then focus on properties of three dimensional shapes, such as the number of edges, faces and vertices. We will also identify and name a range of 3-D shapes from 2-D representations.

Volume

The children are introduced to volume of solids using 1 cm^3 blocks to build cuboids and other shapes. They will estimate and measure the volume of liquids and the capacity of containers as well as convert between litres and millilitres.

Problem Solving

This unit gives the children a chance to use their problem-solving skills. They will use all four operations (+, -, ×, ÷) to solve problems involving measures using decimal notation. They make or draw models to understand what needs to be done to solve a problem, form ideas and test them out and work in an organised way. They continue to use problem-solving skills and all four operations to solve problems involving measures using decimal notation. They form ideas and test them out, work systematically and use a trial and improvement method.