

Year 5 and 6 Autumn Term Curriculum Overview

Maths

Year 5:

Identify 2 and 3D shapes and recognise their properties, including triangles and rectangles; recognise regular and irregular shapes.

Recognise angle types and measure these to the nearest degree; find missing angles along straight lines and around a full turn. Solve problems with angles.

Calculate the area and perimeter of plane and composite shapes using correct measures; find the length of missing sides using given information.

Understand volume and use cubes to find the volume of objects.

Solve problems with shape and measures.

Interpret and read bar charts: solve comparison, sum and difference problems using the data.

Recognise and describe the position of a shape after a translation or a reflection on a grid. Describe the position of coordinates using 1 and 2 quadrants on a grid.

Solve position and space problems

Solve problems across a range of maths areas, using basic number skills.

Year 6:

Recognise and match nets to 3D shapes and draw some of these.

Construct 2D shapes using the correct dimensions and angles.

Recognise and use the properties of triangles and quadrilaterals.

Measure and construct angles to the nearest degree; find missing angles in shapes using known properties of shapes. Solve problems with angles and shapes.

Find the area of composite shapes, triangles and parallelograms.

Calculate, estimate and compare the volume and surface area of different cubes and cuboids.

Read and interpret a range of charts and find the mean, median and mode of a set of data.

Recognise and describe the position of a shape after a translation or a reflection on a grid. Describe the position of coordinates using 4 quadrants on a grid.

Solve problems across a range of maths areas, using basic skills.

Science—Materials

Find out about the properties of solids, liquids and gases and their related language; understand how pressure applied to some liquids can make them solid and how materials can change state.

Understand how the viscosity of liquids affects how far it can spread out.

Understand that some materials are soluble and predict which solids these might be from observations and experiments.

Investigate what happens when we mix materials in different states and which ones can be returned to their original state after being mixed.

Understand the processes of heating, cooling and burning and which of these are reversible changes.

English

Writing:

The children will read and write a selection of scary stories, poems and non-chronological reports.

Spelling:

Children will continue to be taught new rules using the scheme from Spelling Shed.

Punctuation and Grammar:

- Learn how to use colons and semi colons more accurately.
- Identify and use prepositions in a sentence.
- Using apostrophes for omission and possession.
- Using standard English and why this is important.
- Recognising and using synonyms and antonyms.
- Identifying and using pronouns
- Using punctuation for parenthesis—brackets, commas and dashes.

Geography—Maps and Mapping Skills

Use digital mapping software, like Digimaps and Google Earth.

Recognise and use contour lines and make topological maps.

Know how to use 4 and 6 figure grid references.

Know what is meant by longitude and latitude and use this to find places.

Set up geographical field work enquiry, creating maps of their local area confidently.

Recognise time zones around the world and why we need these.

PE PE will be taught by coaches from CUFC on a Thursday. Gymnastics will be taught by Mrs Gibson every Wednesday.; after 1/2 term it will be wall and net games.

PSHE

Our topic areas are my dreams and goals and healthy me. This will include thinking about our future jobs and how we can achieve these, healthy eating, exercise and body image.

History—What Are The lasting effects From World War 1?

Know the dates World War 1 started and who the key figures were at the time.

Know the countries who were involved in world war one.

Find out about conscription and attitudes of people in Britain towards the war.

Find out what life was like in the trenches and the key battles which took place.

Learn about the impact the war had on ordinary Britons after the war.

Computing—Blogging and Text Adventures

- Understand what a blog is and why people write them.
- Create a blog and add pictures and photos.
- Share posts safely within school and have others commenting on them.
- Plan a choose Your own adventure story.
- Use 2Create a story software.
- Understand and debug the code needed to create the game.

Design and Technology/Art This term we are planning,, making and evaluating a healthy pasta based meal and dessert. In art after half term we are studying sculpture; we will be focussing on wire sculptures.

French

1st half term—Around the house—we will be looking at what rooms are in the house, particularly the kitchen, living room and bathroom. We will also look at the garden and at phrases used to describe the house.

2nd Half Term—Music and celebrations—we will be looking at the types of music people listen to and how to express likes and dislikes. We will also learn about what musical instruments children like or play.

RE—TWhat Do Chriatians and Other Religions Think About Wealth and Poverty?

Learn what Jesus taught about wealth and poverty and what he did to promote equality; examine and understand related Biblical texts.

Find out about how Christians today show their understanding of Jesus' teachings.

Find out about how Muslims and Buddhists respond to the problems of poverty.