



Topic Map: Year 6 Term: Autumn 1

Title: Changing Landscapes



Computing

Children will design and write programs using Purple Mash that accomplish specific goals, including simulating physical systems; solve problems by decomposing them into smaller parts.

They will understand how to create a game/app that is suitable for a given audience and purpose. Be able to explain how their game works to a non-technical person. Make changes to their programme, based on testing and feedback (debugging).

Art

Ancient Egypt

Children will learn about the history of ancient Egypt art and explore the purpose and use of art in ancient Egypt. They will learn about great artists, architects and designers in history in the context and begin to adapt their sketching techniques to create art work inspired by ancient Egypt.

Geography

Changing Landscapes

Children will know that a landscape is more than a view and that they are continually changing. They will understand that landscapes are a product of people interacting with a natural process. They will begin to understand the factors in the growth of a settlement, Children will be able to use a map and photographs to understand why Liverpool has grown as a settlement. Children will use grid references and use lines of latitude and longitude on a global scale.

R.E

Loving

Children will understand how family in today's society is varied with many joys and sorrows. They will discuss what the word family means to them and the benefits of being part of it. They will make links between their own family and the families' of key figures in religious scripture.

WOW Experiences – Robinwood and school leadership opportunities.

Fitness and Dodgeball

Fitness

Pupils will work in teams to complete a range of exercises whilst realising how this impacts upon their heartbeat and overall fitness.

Netball

Pupils will learn passing, shooting and moving. Children will look at attacking and defending techniques and apply these in games

Spanish

Children will learn how to recall facts about their families, types of jobs and feelings using more complex sentences.

Additionally, they will recall numbers 1-100 and simple timetables.

PSHCE - Jigsaw

Being Me in My World

Children will identify their goals for the year and understand any fears and worries regarding the future; they will be able to express their feelings in a safe environment.

They will also understand the importance of democracy and how having a voice benefits the school and wider community.

Class Novel/Book – The Boy at the Back of the Class.

English

Letter writing:

Demonstrate how to write letters for a specific audience and purpose- welcome back letter
Head Boy/Girl application etc...

*Plan and write own letters. Use the conventions of letter writing including complete sentences and paragraph organisation.

Write a letter for a specific purpose and audience.
Plan, draft, edit and review.

Basic Skills

Children will spend the first two weeks revisiting prior learning from Year 5 and consolidating their knowledge of spelling rules and grammar techniques.

Reading

Children will continue to read and discuss an increasingly wide range of fiction, poetry, plays, non-fiction and reference books or textbooks. They will ask questions to improve their understanding and draw inferences such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence.

Over the year children will read a range of texts or extracts that have examples of the punctuation, grammar or spelling objectives that are being covered. They will identify and highlight examples of SPAG objectives being covered in extracts.

Mathematics

Basic Skills

Children will spend the first two weeks revisiting prior mathematical basic skills from Year 5 such as: the four operations, simple fractions and multiplying and dividing by 10, 100 and 1000.

Numbers to ten million e.g.:

Be able to talk about the relative size of numbers, a number bigger than, less than, in between

Place random numbers between two demarcations on a number line.

Present number lines in different ways and in different contexts (horizontal number line, vertical scale etc.).

Four Operations on whole numbers e.g.:

Multiplying and dividing by two digit numbers, common multiples, common factors, prime numbers and solving word problems.

To multiply numbers by multiples of 10; to use number bonds as a key strategy in multiplication.

To multiply 3- and 4-digit numbers by 2-digit numbers without regrouping or renaming; to use both number bonds and the column method as key strategies.

Whole school initiative:

Times Tables practise and assessment.

Science

Light

Children will learn about how light travels in straight lines, the spectrum of light and how light is reflected. They will create periscopes and look at their practical uses in the real world. Explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes. Children will also use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them

Children will investigate how distance from the light source impact upon shadow size and will develop their measurement skills throughout the topic.

Working Scientifically

Pupils will work scientifically by: investigating the relationship between light sources, objects and shadows by using shadow puppets. They then extend their knowledge by looking a range of phenomena including objects looking bent in water, and coloured filters.