

Theme:

What is special about our world?

British Value: Resilience



SYNOPSIS

This term, we will explore the question 'What is special about our world?' In maths we will continue to use TTRockstars to ensure all children can recall tables up to 12 x 12. Please encourage regular weekly practice using the TTR app as 'little and often' is proven to be most effective.

In our Life Learning sessions we will be covering the following topics: self-esteem, making decisions, effects of smoking, advertising and managing stress/pressure through calm breathing exercises. As the smoking session discusses impact on people's health, we will let you know when this session has been delivered (mid-way through the term) so that you can facilitate a follow up conversation at home. Do let us know if you have any questions.

EVENT

Safer Internet Day

February 6th 2024

Year 4

Term 3 Learning map

Science

States of Matter

This term, our unit is States of Matter where we will be comparing groups of materials together according to whether they are solids, liquids and gases. Additionally, we will be observing if materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C). We will be identifying the part played by evaporation and condensation in the water cycle linked to our Rivers topic.

Vocabulary: solid, liquid, gas, air, oxygen, , change state, ice/water/steam, water vapour, heating, cooling, temperature, degrees Celsius, melt, freeze, solidify, melting point, molten, boil, boiling point, evaporation, condensation, water cycle

Art

Sculpture

This term we will consider how different tools can be used to create different sculptural effects and add details.

We will also be looking at how simple 3D forms can be made by creating layers, by folding and rolling materials.

Vocabulary: two dimensional, three dimensional, sculpture, visualisation, form, tone, template, bending, mesh, twisting, secure

Computing

Programming Repetition in Shapes

We will create programs by planning, modifying, and testing commands to create shapes and patterns. They will use Logo, a text-based programming language. To start with this will use the website

[:https://turtleacademy.com/playground](https://turtleacademy.com/playground)

This unit is the first of the two programming units in Year 4, and looks at repetition and loops within programming.

We will also be exploring the theme 'All Fun and Games?' as part of safer internet day in February.

Vocabulary: Count-controlled loop, procedure, code snippet, repeat function, Debug, Program, algorithm

Geography

Rivers

In our geography topic, we will begin exploring the journey of a rivers from source to sea. We will explore the River Severn's three stages- the upper, middle and lower course.

We then explore different rivers in the UK, including the River Thames. Children will also explore the impact of rivers flooding and waterfalls.

Vocabulary: bank, basin, bed, canal, current, confluence, delta, downstream, erosions, estuary, floodplain, fresh water, meander, mouth, salt water, silt, source, stream, tidal river, tributary, upstream, watershed.

Key text in English

The Lion, the Witch and the Wardrobe

CS Lewis

You may wish to buy a copy for your child but this is optional.

Multiplication and Division:

Recall of all times tables up to 12 x 12.

Recognise and use factor pairs and commutativity in mental calculations.

Multiply and divide two-digit and three-digit numbers by a one digit number using formal written layout.

Solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by one-digit