

Learning Narrative Spring Term – Year 5

We are reading...

Street Child



History

Covered in the Autumn and Summer Terms

Science

How do things work and change in our world?

Focus – Forces

- Gravity is a pulling force exerted by the Earth (or anything else which has mass)
- Weight is how strongly gravity is pulling an object down. It is measured in Newtons.
- Isaac Newton is famously thought to have developed his theory of gravity when he saw an apple fall to the ground from an apple tree
- Air resistance and water resistance are forces against motion caused by objects having to move air and water out of their way.
- Friction is a force against motion caused by two surfaces rubbing against each other.
- Some objects require large forces to make them move; gears, pulley and levers can reduce the force needed to make things move

Focus – Properties and Changes of Materials 1

- Sometimes mixed substances react to make a new substance. These changes are usually irreversible.
- Heating can sometimes cause materials to change permanently. When this happens, a new substance is made. These changes are not reversible.
 - Indicators that something new has been made are: The properties of the material are different (colour, state, texture, hardness, smell, temperature)
 - If it is not possible to get the material back easily it is likely that it is not there anymore and something new has been made (irreversible change)
 - When two or more substances are mixed and remain present the mixture can be separated
 - Some changes can be reversed, and some cannot.
 - Materials change state by heating and cooling.
 - All matter (including gas) has mass.



Music

Learning to play the Melodicas

Art

Focus – Cityscapes

Key Question: What techniques and media can I use to create my own cityscape?

- How can I use pop art techniques and layering to create a 3-d cityscape.
- How can I use a palette knife to create textured cityscapes?
- How can I replicate cityscape photos using different mediums?
- How can I create reflections of cityscapes on water?
- How can I add detail into cityscape ink drawings?
- How can I create a cityscape using any media of choice?

RE

Focus – Christianity

Key Question: What does it mean if Christians believe God is loving and holy?

KQ1: What words do Christians connect with the idea of 'God'?

KQ2: What does the bible say God is like? _

KQ3: How can ideas of God be expressed in art?

KQ4: How do some Christians respond to a holy and loving God?

KQ5: How do churches and cathedrals reflect Christians' ideas about God?

Focus – Judaism

Key Question: Why is the Torah so important for Jewish people?

KQ1: What do Jewish people look like and where do we find Jewish people in the UK?

KQ2: What is the Torah? What is a sefer Torah?

KQ3: Why are there different types of synagogue in the UK?

KQ4: How does the Torah influence what Jewish people might eat?

KQ5: How are Jewish people adapting festivals in the UK?

KQ6: Why is the Torah important to Jewish people?

Geography

How does the geography of a place influence where and how people live?

Focus: Ocean Currents

There are 5 oceans that cover over 70% of the planet, and that they are all connected.

An ocean current is a continuous movement of ocean water from one place to another.

Ocean currents are created by wind, water temperature, salt content and the gravity of the moon.

The currents are called gyres and can flow for thousands of miles.

There are 5 major current ocean gyres.

One major example of an ocean current is the Gulf Stream in the Atlantic Ocean.

Gyres travel clockwise in the northern hemisphere and anticlockwise in the southern hemisphere.

Ocean currents affect weather patterns around the world; they transport warm water to colder areas and cold water to warmer ones such as the gulf stream.

Plastic pollution is also transported by ocean currents:

The Great Pacific Garbage Patch is a big area of rubbish in the middle of the northern Pacific Ocean.

The Great Garbage Patch is formed because the gyres are circular, which traps rubbish, like floating pieces of plastic

R.H.S.E

Being responsible

Topic: Looking out for others

Feeling and Emotions

Topic: Anger

Computer Safety:

Image Sharing

DT

Focus – Frame Structures

Key Questions: How can we make a structure stronger?

KQ1: What materials have been used to create existing frame structures?

KQ2: What techniques can we use to reinforce frameworks?

KQ3: What product will you design to meet the criteria?

KQ4: What materials will you use to build your prototype?

KQ5: What changes will you make based on your prototype design?

PE

Yoga

Swimming

Net and Wall

Computing

Focus : Computer Networks

Focus – Data Handling

Key Questions:

How can we use simple formulas to solve calculations?