

DT

Alarming Cars

In this topic, children develop an understanding of simple electrical control through the designing and making of an alarm system.

They are also introduced to the idea of feedback. The designing and making assignment involves an alarm system to protect a valuable artefact which has been brought into the classroom.



Topic Map: Year 5 Term: Summer 2

TITLE: Californian Summer



Computing

Children will cover ICT objectives through the other curriculum areas.

- .Coding through a series of instructions
- . Word processing

Music

Reading and following musical notation and direction.

Developing playing skills and techniques to improve performance.

Expressing musical ideas through composition.

Geography - California

The children will be using their locational knowledge to learn more about the physical and human features of California.

They will make comparisons between their locality and California and assess aerial photographs to make accurate inferences and observations.

They will practise key geographical skills such as using coordinates, grid references and graphs to understand the climate, culture and and terrain

R.E

Stewardship

Christians believe that every human being is created in the image of God and has the special gift and challenge of sharing in God's creation. We ourselves are part of creation, and are dependent upon it: we are made aware that caring for creation is part of caring for ourselves.

WOW Experiences – Windsor Gardens

PE

Golf

Focus on developing their technical understanding of golfing technique. They learn how to correctly hold a club using the standardised technique.

Children think about how to achieve the greatest speed, height, distance or accuracy with their strike.

French - Relationships

Children will be learning how to describe themselves and others.

They will be able to count to 100, know the names of colours and recognise and use simple conversational phrases.

PSHCE

Changes

Children will consider some ways in which change is positive, developmental and necessary.

They will consider the many changes that have happened in their own lives and their feelings in relation to these changes.

They will look at how they will change over the next few years.

English

Persuasive writing

Children will become more aware of how writers persuade readers through the use of persuasive devices including, words and phrases, deliberate use of ambiguity, half-truth, bias, and how opinion can be disguised to seem like fact. Opportunities for persuasion through spoken presentations using ICT will help children consider the ways in which, text, pictures and sounds can be used to persuade particular audiences.

Performance Poetry

Children explore features of narrative poems through ballads. They write modern day versions as well as performing them to others. Finally they are transported into the wonderful world of oral storytelling; listening and re-telling their own stories.

Grammar

Use dialogue, recognise differences between spoken and written speech.

Use speech punctuation to indicate direct speech.

Understand and use modal verbs.

Begin to understand the use of active and passive verbs, especially the use of the passive form in reports.

Recognise and use a past participle.

Mathematics

Converting Units of Measure

In this chapter, pupils will be extending their knowledge of units of measure. It begins with pupils finding the length of everyday items in cm, before converting these to mm. They then look at different metric measures such as metres and kilometres and begin to approximately convert these to imperial measure.

Volume

In this chapter, pupils are exploring volume. In the first lesson, they learn about the volume of solids and how to use cubes to determine volume. Then they look at the volume of specific shapes such as rectangular boxes. The term 'capacity' is revisited in a lesson in the middle of this chapter, which helps pupils differentiate between 'volume' and 'capacity'. Next, they learn to convert between different metric units and then between metric and imperial units.

Science

Animals and their habitats

Children will learn to:

- . Describe the life process of reproduction in some plants and animals.
- . describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird
- . Compare 3 or more things using a various scientific criterion and recording results in different formats.
- . Explain and understand Metamorphosis and use this information to describe how amphibians develop.
- . Using Carroll diagrams to sort material into different categories.
- . Draw detailed anatomical drawings of plants and their reproductive parts in order to further discover their asexual reproduction.