



Kingsley CP Curriculum Overview

Year 6 Spring 1

Science:

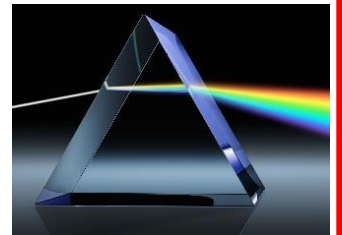
In Science, we will be learning about 'Light'. We will explore the concept that light enables us to see things; we will investigate how light travels in straight lines, reflecting from surfaces and into the person's eye. As part of this topic, we will also explore how and why shadows are cast, as well as learning about key individuals involved in key discoveries within 'light', such as Isaac Newton.

Key knowledge:

- I can recognise that light appears to travel in straight lines.
- I can use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye.
- I can 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.
- I can use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.

Key vocabulary:

reflection
refraction
prism
visible spectrum
prism
shadow
transparent
translucent
opaque



Art and Design

In Art and Design, we will be focusing on the technique of 'Sculpture'; children will be designing and creating a sculpture of themselves. This will have a base for its foundation and be created from an armature (framework). They will explore the work of Alberto Giacometti for ideas and inspiration.

Key vocabulary:

assemble
armature
technique
foundation
pinch, slab, coil
glaze, paint, polish
media
form
carve
sculpture



Key knowledge:

- Work in a safe, organised way, caring for equipment.
- Secure work to continue at a later date.
- Work around armatures or over constructed foundations.
- Confidently carve a simple form.
- Solve problems as they occur.
- Use the sketch book to plan how to join parts of the sculpture.

Geography:

In Geography, we will be focusing on looking after our world for the future. Children will consider the past, present and future of our local area building upon last term's geography topic of protecting our world.

Key vocabulary

physical features
human features
Great Britain
County
Topographical features
Landmark
Sustainability
Conversation

Key knowledge:

- I can identify how we can use historical maps, aerial images, tithe maps and Google Maps
- I can identify the past, present and future needs of our community
- I can identify the human and physical features of our local environment
- I can identify the housing and public service needs

Religious Education

In Religious Education, following on from learning about how and why Christians worship, we will be exploring how and why Sikhs worship. We will be exploring how the Gurdwara is pivotal within the Sikh community and what are its three main purposes. As part of learning about Sikhism, we will discover artefacts linked to the religion and what is involved in worship.

Key knowledge:

- I can explain that the Gurdwara is the place of worship for Sikhism and can describe what can be found there.
- I can suggest ways in which Sikhs worship, including what happens at the Langar.
- I can explain how community is important within the Sikh religion.

Key vocabulary

Sikh
Sikhism
worship
Langar
Gurdwara
Guru Granth Sahib
artefact
Shri Harmandir Sahib
hymn

Computing

In Computing, we will be beginning our Year 6 work on 'coding'. To begin with, our focus will be on exploring what variables are within games and how they might be used in everyday life. Children amend existing programs through adapting programming, before designing and making their own games.

Key knowledge:

- I can create animations in 'Scratch'.
- I can code and program a series of instructions.
- I can explain what a variable is.
- I can use technology safely, respectfully, and responsibly.

Key vocabulary

programming
coding
debugging
save
retrieve
network
device
variables



Physical Education

In Physical Education, during our indoor sessions we will be focusing on gymnastics. Gymnastics will include developing balance and control, focusing on movements in isolation, before building them sequentially. During outdoor PE, we will be developing our skills with aim and control using the tennis racket. Children will develop their focus and coordination, being able to strike/ serve a ball towards and partner, and being able to hit the ball back towards a target.

Key vocabulary

flexibility
control
strength
balance
aim
resilience
perseverance
target
focus
coordination

Key knowledge:

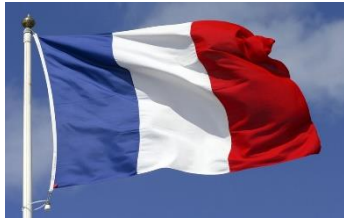
- I can aim at a target.
- I can show control when receiving and hitting a tennis ball.
- I can develop my strength, technique, and control.
- I can develop and refine flexibility,
- I can improve my control and balance.

MFL

In MFL, we will be kickstarting our new topic with a 'New Year's Rap', which will involve listening, understanding and then having a go at performing. Following this, the focus is learning vocabulary for different sports (including some traditional French activities) and being able to share thoughts and opinions about different ones.

Key knowledge:

- I can recall numbers to 31.
- I can recognize months of the year.
- I can use adjectives to help with my opinions.
- I can share verbal and short written opinions about a sport.
- I can identify nouns and verbs.



Key vocabulary

J'aime - I like
Je n'aime pas - I dislike
J'adore - I love
le foot - football
la natation - swimming
le cyclisme - cycling
le rugby - rugby
le basket - basketball
le tennis - tennis
jouer - to play
rapide - fast
ennuyeux - boring
excitant - exciting

Music

In Music, we will explore two themes, one being 'A New Year Carol'. Through this, we will be exploring classical music styles, particularly focusing on the composer Benjamin Britten, who was a modern, British composer. Also, children will begin to use the glockenspiels to play aspects of the chorus for 'Happy', which we looked at during Autumn 1.

Key vocabulary

style indicators
melody
compose and improvise
pulse
rhythm
pitch
tempo

Key knowledge:

- I can identify instruments used within a piece of music.
- I can describe and replicate the pulse.
- I can listen to and follow musical instructions from a leader or simple notation.
- I can begin to replicate a riff using the glockenspiel.



