

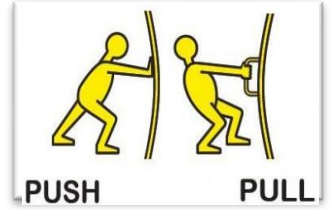


Kingsley CP Curriculum Overview

Year 5 Spring 1

Science:

In Science, we will be learning about different types of forces such as gravity, friction, water resistance and air resistance and their effects on moving bodies.



Key knowledge:

Understand that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object

Identify the effects of air resistance, water resistance and friction, that act between moving surfaces

Compare the effects of pushes and pulls and the concept of balanced forces

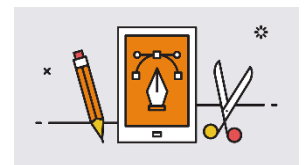
Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect

Key vocabulary:

- gravity
- friction
- air resistance
- up thrust
- weight vs mass
- Newtons (N)
- surface area
- push
- pull
- balanced forces

Design & Technology

In Design Technology, we will be exploring, designing and using Modroc to create Viking weaponry linked to our Topic.



Key vocabulary:

- glaze
- armature
- join
- pinch
- patterns
- texture
- modroc
- malleable

Key knowledge:

- Show experience in combining pinch, slabbing and coiling to produce end pieces.
- Develop understanding of different ways of finishing work, e.g. glaze, paint and polish.
- Gain experience in modelling over an armature e.g. newspaper frame.

History:

In History, we will be discovering how and why the Vikings invaded Britain and how and where they settled/



Key vocabulary:

- Danegeld
- exile
- invade
- kingdom
- longship
- outlawed
- pillaged
- raid
- wergild
- pagan
- runes

Key knowledge:

Understand how and why the Vikings invaded Britain and how some kings in Britain responded to these invasions

Discover where the Vikings came from and the importance of the 'longships' in their travels from Scandinavian countries

Explore what life was like for Vikings living in Britain through examining Viking artefacts and discovering how they lived and worked

Examine the legacy left by the Vikings; what have they ever done for us?

Religious Education

In Religious Education, we will be learning about the religious faith of Sikhism. We will be exploring the question 'Why is community and equality important to Sikhs?'



Key knowledge:

- To explore what Sikhs believe.
- To investigate who is Guru Nanak and how did he become a teacher and leader?
- To explore what is the symbolism of the 5Ks and why is the community important for Sikhs?
- How do Sikhs lead their lives to the best of their ability?

Key vocabulary

- Punjab
- The 5Ks
- kesh,
- kangha,
- kara,
- kachera
- and kirpan.

Computing

In Computing we will be learning about physical computing involving the use of a component called a Crumble

Key knowledge:

- I can create a simple circuit and connect it to a microcontroller
- I can program a microcontroller to make an LED switch on
- I can use a count-controlled loop to control outputs
- I can design sequences that use count-controlled loops
- I can write an algorithm that describes what my model will do
- I can use selection to produce an intended outcome
- I can test and debug my project

Key vocabulary

- Crumble
- Components
- Algorithm
- LED
- sequences

Physical Education

In Physical Education, we will be learning about Swimming and Gym.



Key vocabulary

Sequence
Cartwheel
Refine
Perform
Control

Key knowledge:

Swimming

To consolidate front crawl, backstroke and breaststroke
To develop breathing techniques in water
To develop water confidence

Gym

To use a variety of rolls
To perform a cartwheel
To combine and adapt a sequence
To refine and perform a sequence

MFL

In MFL, we will be learning about numbers up to 2000 so we can wish everyone a Happy New Year! We will then be exploring the vocabulary of fruit and vegetables so we can hold a conversation at a market stall.



Key knowledge:

- To celebrate New Year say the numbers 1,000, 2,000 and the year we are now in
- How to recognise and begin to use familiar and not so familiar parts of the present tense of "être" (to be)
- I Can remember and say fruit and vegetable nouns and remember that they have a gender
- Hold a conversation with my friend as if we are visiting a market stall

Key vocabulary:

- Une/des pomme(s)
- Une/des poire(s)
- Un/des citron(s)
- Une/des fraise
- Un/des onignon
- Un/des tomates
- Des raisins
- Des prunes

Music:

In Music, we will be taught by an external provider to play the Ukulele



Key vocabulary:

- Strings
- Cords
- Ukulele
- Fret
- Pluck
- Rhythm
- pulse

Key knowledge:

Any musical dimensions featured in the songs and where they are used (texture, dynamics, tempo, rhythm and pitch)

Identify the main sections of the songs (intro, verse, chorus etc.)

Play the melody by ear and by following the musical notation

In PSHE we are learning about keeping ourselves safe

Key vocabulary

Habit

Dare

Drugs

Medicines

Peer pressure

Risk factors

Outcome

consequences

Key knowledge:

Children will be able to:

- Explain what a habit is, giving examples;
- Describe why and how a habit can be hard to change;
- Recognise that there are positive and negative risks;
- Explain how to weigh up risk factors when making a decision;
- Describe some of the possible outcomes of taking a risk;
- Define what is meant by a dare;
- Explain why someone might give a dare;
- Suggest ways of standing up to someone who gives a dare
- Understand some of the complexities of categorising drugs;
- Know that all medicines are drugs but not all drugs are medicines;
- Understand ways in which medicines can be helpful or harmful and used safely or unsafely.