

The Ryde School

Curriculum Information

Spring Term 2024

Year 4

Curriculum Area	Topics Covered
Art	Exploring pattern: That the act of making drawings can be mindful. That we can use line, shape and colour to create patterns. That we can use folding, cutting and collage to help us create pattern. That we can create repeated patterns to apply to a range of products or outcomes.
Religious Education	What does it mean to be a Hindu in Britain today? Describe puja and how it shows Hindu faith. Make connections with some Hindu beliefs and teachings about aims and duties in life. Describe some ways in which Hindus express their faith through puja, aarti and bhajans. Suggest at least two reasons why being a Hindu is a good thing in Britain today, and two reasons why it might be hard sometimes. Discuss links between the actions of Hindus in helping others and ways in which people of other faiths and beliefs, including pupils themselves, help others. Describe how the life of Gandhi shows Hindu beliefs in action.
Design and technology	Shell structures using CAD design: Designing - Generate realistic ideas and design criteria collaboratively through discussion. Develop ideas through the analysis of existing shell structures and use computer-aided design to model and communicate ideas. Making - Plan the order of the main stages of making. Select and use appropriate tools and software. Evaluating - Investigate and evaluate a range of shell structures including the materials, components and techniques that have been used. Technical knowledge and understanding - Develop and use knowledge of nets of cubes and cuboids. Know and use technical vocabulary relevant to the project.
Geography	The Amazon Rainforest: Discover where the rainforests are in the world and locate them on a world map (including the Amazon). Explore what it is like in a rainforest and learn about the four main layers of vegetation. Define the word 'climate' and use charts and graphs to explore the climate of tropical rainforests. Discover the indigenous rainforest tribes and compare their lives with life in modern society. Explore how the rainforests are under threat and the actions that we can take to help save them. Compare Amazon Rainforest vs. UK Forest.
History	Romans: To understand who Boudicca was . To explain some of the reasons why the Romans left Britain. To understand how art was a part of everyday Roman life. To find out where any why Hadrian's wall was built. Ancient Egypt: To investigate Tutankhamun. To find out about the importance of food and farming. To understand what the Narmer Palette tells us about the Egyptians.
Computing	Repetition in games: Learners will explore the concept of repetition in programming using the Scratch environment. Learners look at the difference between count-controlled and infinite loops, and use their knowledge to modify existing animations and games using repetition. Data loggers: Children will collect data as well as access data captured over long periods of time. They will look at data points, data sets, and logging intervals. Learners will spend time using a computer to review and analyse data.
Modern Foreign Languages	French: En classe- In the classroom: Pupils will learn to name familiar classroom objects. They will also learn to use 'J'ai '- (I have) and 'Je n'ai pas de...' (I do

	<p>not have.</p> <p>En classe- in the classroom: Pupils will learn to name familiar classroom objects. They will also learn to use 'J'ai ' - (I have) and 'Je n'ai pas de...' (I do not have.)</p>
Physical Education	<p>All 4 Sport: Hockey: To keep control. To pass and retrieve. To combine dribbling and passing to create space. To develop passing, receiving and dribbling. To shoot. To consolidate skills to create scoring opportunities.</p> <p>Dance: To plan, perform and repeat sequences. To move in a clear, fluent and expressive manner. To refine movements into sequences. To create dances and movements that convey a definite idea. To change speed and levels within a performance. To develop physical strength and suppleness by practising moves and stretching.</p>
Science	<p>Animals including humans: Describe the simple functions of the basic parts of the digestive system in humans.</p> <p>Living things and their habitats: Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment.</p> <p>States of matter: Observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C).</p> <p>Sound: Find patterns between the volume of a sound and the strength of the vibrations that produced it. Find patterns between the pitch of a sound and features of the object that produced it</p> <p>Electricity: Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers. Identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery.</p>

Enrichment Activities

Wider opportunities (Music) - Brass instruments

Science workshop - Solar energy

Trip to the British Museum or Fitzwilliam Museum with Egyptians focus (TBC)

Dance lessons with Lisa (outside provider).

Production with Year 5.

How you can help your child:

- Times tables rockstars.
- Encourage your child to read at least 5 times a week for 30 minutes. Remember that good readers become good writers!
- Home reading journals.
- Visit places of interest linked to our topics.
- Read different types of texts (e.g. newspapers, leaflets, information books).
- Play times tables games (e.g. Hit the button, times table tennis, times tables with number cards).
- Encourage use of a dictionary to check spelling and a thesaurus to find synonyms and expand vocabulary.
- Encourage opportunities for telling the time and solving problems involving time.
- Encourage opportunities for counting coins and money; finding amounts or calculating change when shopping.
- Identify, weigh or measure quantities and amounts in the kitchen or in recipes.
- Play games involving numbers or logic, such as dominoes, card games, darts, draughts or chess.
- Encourage opportunities for writing such as letters to family or friends, shopping lists, notes or reminders, stories or poems.

Twist on spelling handwriting and the best presentation