

The Ryde School

Curriculum Information

Spring Term 2023

Year 5

Curriculum Area	Topics Covered
Art	Sculpture: To learn drawing skills using different materials. To draw texture with line and tone. To use wire to make a human figure. To use modrock to make a human sculpture. To design a member of the terracotta army. To use clay to make a member of the terracotta army. To paint clay sculpture.
Religious Education	What would Jesus do? Can we live by the values of Jesus in the twenty-first century? Outline Jesus' teaching on how his followers should live. Offer interpretations of two of Jesus' parables and say what they might teach Christians about how to live. Explain the impact Jesus' example and teachings might have on Christians today. Express their own understanding of what Jesus would do in relation to a moral dilemma from the world today.
Design and technology	Frame structures: To investigate and gather information about frame structures. To research a famous frame structure and identify key components in its design. To experiment with frame structures to investigate weight bearing structures to test different joining techniques. To plan and design a WW2 shelter.
Geography	Aquatic biomes: Oceans, seas, plastic pollution. Marine biomes: Fishing, pollution, coral reefs. To be able to locate and identify the oceans and seas of the world. how-do-rivers-shape-the-land To discover the impact fishing has on our oceans and society. To identify what pollution is, where it comes from and the damage it can cause in our oceans. To locate and retrieve information from a text about the risks to The Great Barrier Reef. To create a persuasive argument (supported by facts) about why the Great Barrier Reef should be protected.
History	Society: To research the life of civilians at home and understand and discuss the important role civilian women played during the war. Why did the Shang Dynasty fall in 1046 BC? To understand the jobs/roles people of a Maya settlement had. Beliefs: To understand about use of propaganda and censorship during WW2. To find out what the religious beliefs of the Shang Dynasty were. To find out about the Gods that the Maya believed in. Culture and pastimes: To understand how popular British pastimes were affected by the outbreak of war. What do archaeological findings tell us about the Shang Dynasty? To find out how the Maya spent their spare time.
Computing	Systems and searching: Develop their understanding of computer systems and how information is transferred between systems and devices. Consider small-scale systems as well as large-scale systems. Explain the input, output, and process aspects of a variety of different real-world systems. Discover how information is found on the World Wide Web, through learning how search engines work (including how they select and rank results) and what influences searching, and through comparing different search engines. Vector drawing: Find out that vector images are made up of shapes. They will learn how to use the different drawing tools and how images are created in layers. They will explore the ways in which images can be grouped and duplicated to support them in creating more complex pieces of work.
Modern Foreign Languages	French (Listening, speaking, reading, writing and grammar): Listen more attentively and for longer. Communicate on a wider range of topics and themes. Understand longer passages in the foreign language and start to decode meaning of unknown words using cognates and context. Write using

	familiar language incorporating connectives/conjunctions, a negative response and adjectival agreement where required. Revision of gender and nouns and learn to use and recognise the terminology of articles.
Physical Education	<p>Athletics: They will learn how to set targets and improve their performance in a range of running, jumping and throwing activities. Children will think about how to achieve the greatest speed, height, distance or accuracy.</p> <p>Dance: Perform basic actions with increased control, co-ordination, fluency and accuracy. Perform set dances from different times and places. Work collaboratively in small groups. Use appropriate language and terminology. Describe how dance contributes to fitness and wellbeing.</p>
Science	<p>Animals including humans: Identify ways in which the appearance of humans changes as they get older. Identify some characteristics that will not change with age. Living things and their habitats: Describe the life process of reproduction in some plants and animals. Know that most animals reproduce by sexual reproduction. Sequence the life cycles of a variety of plants and animals. Properties of materials: Explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda. Demonstrate that dissolving, mixing and changes of state are reversible changes. Earth and space: Identify, name and locate the components of the solar system (i.e. Sun, Moon, Earth and other planets). Describe the movement of the Earth, and other planets, relative to the Sun in the solar system. Use simple physical models to explain effects that are caused by the movement of the Earth. Explain that gravity is a force of attraction and it is what holds the planets in orbit around the Sun and the Moon in orbit around the Earth. Forces: Identify the effects of air resistance and water resistance, that act between moving surfaces. Describe some of the factors that increase friction between solid surfaces and increase air and water resistance. Understand that air resistance is the frictional force of air on objects moving through it.</p>

Enrichment Activities

Micro:bit workshop
 Shakespeare workshop.
 National gallery trip.
 Forest school.
 Swimming.
 Year 4 and 5 production.

How you can help your child:

- Children should be encouraged to play Times Tables Rockstars (TTRS) 3 times a week.
- 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.
- Insist on cursive handwriting and the best presentation.