

The Ryde School

Curriculum Information

Spring Term 2025

Year 4

Curriculum Area	Topics Covered
Art	Exploring patterns involves recognising that the act of creating drawings can be a mindful practice. Through the use of line, shape, and colour, students can design unique patterns, while techniques such as folding, cutting, and collage provide additional ways to develop their ideas. These patterns can then be repeated and applied to a variety of products or creative outcomes, encouraging both artistic expression and practical application.
Religious Education	What does it mean to be a Hindu in Britain today? We will explore key aspects of Hindu belief and worship, understanding that Hinduism, or "Sanatana Dharma" (eternal truth), encompasses the diverse ways of life, spiritual practices, and beliefs of Indian people. Focusing on British Hindus, we will examine the diversity within British Hinduism compared to its origins in India. We will learn about core Hindu beliefs, how they are expressed in thoughts and actions, and reflect on what it means to be a Hindu in Britain today.
Design and technology	Shell Structures with CAD Design: Use CAD software to design and create shell structures. <ul style="list-style-type: none"> • Designing: Work together to create practical ideas and design criteria. Use CAD to model and share these ideas. • Making: Plan the main steps of building, and choose the right tools and software. • Evaluating: Analyse different shell structures, focusing on materials and methods. • Technical Knowledge: Understand and use nets for cubes and cuboids, and use the correct technical terms.
Geography	The Amazon Rainforest Explore the world's rainforests, including the Amazon, by locating them on a world map. Investigate what life is like in a rainforest and learn about the four main layers of vegetation. Define the term 'climate' and analyse charts and graphs to understand the climate of tropical rainforests. Discover the lives of indigenous rainforest tribes and compare their way of life with modern society. Examine the threats facing rainforests and consider the actions we can take to help protect them. Finally, compare the Amazon Rainforest with forests in the UK to understand their similarities and differences.
History	Romans, Anglo-Saxons, and Ancient Egypt Explore evidence to ask and answer questions about the past. Investigate the origins of key historical events and cultures. Examine the varied experiences of conflict in history and understand how travel influenced societies, shaped lives, and drove change.
Computing	Repetition in Shapes: Pupils will use the text-based language Logo to plan, modify, and test commands for creating shapes and patterns, learning how repetition simplifies coding. Repetition in Games: Pupils will explore repetition in programming with Scratch, understanding count-controlled and infinite loops to enhance animations and games through the effective use of loops.
Modern Foreign Languages	French: Les formes (Shapes): Pupils will expand their vocabulary by learning to identify and name up to 10 common shapes in French, while revisiting Year 3 numbers to strengthen their understanding. En classe (In the Classroom): Pupils will learn the names of common classroom objects in French and practice using the phrases <i>J'ai...</i> (I have) and <i>Je n'ai pas de...</i> (I don't have) to describe possessions.
Physical Education	All 4 Sport Invasion Games: Pupils will develop teamwork, movement, and strategic skills through a range of invasion games. Dance
Science	<ul style="list-style-type: none"> • Animals Including Humans: Describe the basic functions of the human digestive system. • Living Things and Their Habitats: Use classification keys to group, identify, and name various living things in local and wider environments. • States of Matter: Observe how materials change state when heated or cooled and

	<p>research the temperature at which this occurs (°C).</p> <ul style="list-style-type: none"> • Sound: Identify patterns between the volume of a sound and the strength of vibrations, as well as between pitch and the characteristics of the object producing the sound. • Electricity: Build a simple series circuit, naming its parts (cells, wires, bulbs, switches, buzzers), and determine if a lamp will light based on its position in the circuit.
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Enrichment Activities

Verulamium Museum Trip

Science STEM workshop – Super Power

- **How You Can Help Your Child:**
- **Times Tables Rockstars:** Support your child in practising times tables using this fun and engaging tool.
- **Daily Reading:** Encourage reading for at least 30 minutes, five times a week—strong readers often become strong writers!
- **Home Reading Journals:** Keep a journal to track reading progress and reflections.
- **Visit Relevant Places:** Take trips to locations connected to current topics of study.
- **Diverse Texts:** Explore a range of texts, such as newspapers, leaflets, and informational books.
- **Times Tables Games:** Play games like Hit the Button, Times Table Tennis, and number card games to reinforce multiplication.
- **Use of Dictionaries and Thesauruses:** Encourage using a dictionary for spelling and a thesaurus to expand vocabulary.
- **Time-Related Activities:** Provide opportunities for practising telling time and solving time-related problems.
- **Money Skills:** Help your child practise counting coins, calculating change, and managing money through shopping activities.
- **Kitchen Measurements:** Involve your child in measuring ingredients for recipes to develop practical math skills.
- **Number and Logic Games:** Play number or logic games like dominoes, card games, darts, draughts, or chess.
- **Writing Practice:** Encourage writing letters, shopping lists, notes, stories, or poems.
- **Handwriting:** Emphasise the importance of neat cursive handwriting and presentation.