

# *The Ryde School*

## Curriculum Information

Autumn Term 2023

Year 5

Curriculum Area	Topics Covered
Art	<b>Typography and Maps:</b> That when designers work with fonts and layout it is called Typography. That we can use the way words look to help us communicate ideas and emotions. That we can create our own typography and combine it with other visual elements to make artwork about chosen themes.
Religious Education	<b>Why do some people think God exists?</b> Pupils enquire into the key question-raising questions about the nature and existence of God focussing on Christian ideas about God. Pupils will consider why people do or don't believe in God and the impact that might have on the way they live their everyday life. <b>If God is everywhere why go to a place of worship?</b> Pupils learn about the various purposes of a place of worship as well as how believers see these places. Pupils think about the idea of God's presence on earth and in believers' lives. Opportunities to debate are given, including of the key question, to offer pupils a chance to reflect for themselves on the value and purpose of worship in religion.
Design and technology	<b>Frame structures:</b> Designing - Carry out research into user needs and existing products, using surveys, interviews, questionnaires and web-based resources. Making - Formulate a clear plan, including a step-by-step list of what needs to be done and lists of resources to be used. Competently select from and use appropriate tools to accurately measure, mark out, cut, shape and join construction materials to make frameworks. Evaluating - Investigate and evaluate a range of existing frame structures. Critically evaluate their products against their design specification, intended user and purpose, identifying strengths and areas for development, and carrying out appropriate tests.
Geography	<b>Water cycle - UK vs Central America:</b> Locate countries and their features studied and key features on maps, atlases and globes. Learn the six figure grid reference. Use the 8-point compass directions and 6 figure grid reference. Use keys and symbols. Use the 8-point compass directions and 6 figure grid reference. Observations, measurements and recordings of school grounds and immediate locality. Start to explain their findings.
History	<b>Travel and exploration:</b> To use a map to understand where and why people were evacuated to during WW2. To understand the advantages and disadvantages of Ancient Chinese exploration. To understand the impact of Frederick Catherwood on the Maya. <b>Settlements:</b> To understand the experiences of evacuees during WW2. To assess how Ancient Chinese homes and cities were built. To investigate Maya settlements. <b>Food and farming:</b> To find out how rationing impacted people in Britain in WW2. To find out about Shang farming and know what people in the time would have grown and eaten. To explain why certain foods were significant to the Maya.
Computing	<b>Selection in physical computing:</b> Learners will be introduced to a microcontroller and learn how to connect and program components through the application of their existing programming knowledge. <b>Selection in quizzes:</b> Learning how the If... Then... Else structure can be used to select different outcomes depending on whether a condition is true or false. They represent this understanding in algorithms and then by constructing programs using the Scratch programming environment.
Modern Foreign	<b>French:</b> To be able to recall basic French words for numbers, days of the week, months, colours etc. Group/order unknown vocabulary to help decode

Languages	text in French; Improve their listening and reading skills; Name the countries and languages involved in WW2; Learn to integrate all their new and previous language; Learn at least three adjectives in French.
Physical Education	<b>All 4 Sport:</b> Invasion games. <b>Gymnastics:</b> Bridges - To use balancing on different body parts to create bridge shapes both as individuals and with a partner. To sustain concentration and practise to improve the quality and accuracy of their movements. To work co-operatively with a partner and create a sequence showing planned variation in level, direction and shape.
Science	<b>Living things and their habitats:</b> To describe the life process of reproduction in some plants. To know the difference between sexual and asexual reproduction in plants. To plan and carry out an investigation. <b>Animals including humans:</b> To describe the changes as humans develop to old age. To present and analyse data about how babies grow. <b>Earth and Space:</b> To recognise when to use other sources to answer questions and separating fact from opinion (flat earth theory). <b>Forces:</b> To use scientific language to explain balanced and unbalanced forces. To find out about Issac Newton and gravity. <b>Properties of materials:</b> Compare and group together everyday materials on the basis of their properties. To explore when and why changes are reversible and irreversible.

### Enrichment Activities

Regular outdoor learning opportunities.

Whole school trip to Walton-on-the-Naze

Pantomime trip.

Swimming.

Brass instruments.

### 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.
- Insist on cursive handwriting and the best presentation.