

Year 5 summer term curriculum 2022-2023

Religious Education

- Transformation - celebration of The Spirit's transforming power.
- Freedom and responsibility - commandments enable Christians to be free and responsible.
- Stewardship - The Church is called to the stewardship of creation.

Mathematics

Geometry: properties of shapes

- Identify 3-D shapes, including cubes and other cuboids, from 2-D representations.
- Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles.
- Draw given angles, and measure them in degrees ($^{\circ}$).
- Identify:
 - Angles at a point and one whole turn (total 360°).
 - Angles at a point on a straight line and $\frac{1}{2}$ a turn (total 180°).
 - Other multiples of 90° .
- Use the properties of rectangles to deduce related facts and find missing lengths and angles.
- Distinguish between regular and irregular polygons based on reasoning about equal sides and angles.

Geometry: position and direction

- Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed.

English

Genres – persuasive writing – emphasis on contrary argument, historical fiction, poetry

Grammar – to consolidate and practise the following:

- Conjunctions.
- Relative clauses beginning with who, which, where, when, whose, that, or an omitted relative pronoun.
- Indicating degrees of possibility using adverbs (for example, perhaps, surely) or modal verbs (for example, might, should, will, must).
- Linking ideas across paragraphs using adverbials of time (for example, later), place (for example, nearby) and number (for example, secondly) or tense choices (for example, he had seen her before).

Punctuation:

- Brackets, dashes or commas to indicate parenthesis.
- Use of commas to clarify meaning or avoid ambiguity.
- Punctuation associated with speech.

Terminology:

- Modal verb, relative pronoun, relative clause, parenthesis, bracket and dash.

Spellings: see purple mash (spelling rules and patterns).

Science

Materials

- Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal) and response to magnets.
- Recognise that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution.
- Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating.
- Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic.

- Demonstrate that dissolving, mixing and changes of state are reversible changes.
- 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.

Geography

The United Kingdom

- Be able to identify and describe key geographical features of the United Kingdom.
- Be able to identify and locate the counties of the United Kingdom.
- Be able to locate and identify towns and cities in the UK.
- Find out about the hills and mountains of the UK.
- Be able to identify and explore the major rivers of the UK.

Design & Technology

Design and Make a playground shelter

- Evaluate investigate and analyse a range of existing products.
- Use research and develop design criteria to inform the design.
- Generate, develop, model and communicate their ideas through discussion, annotated sketches.
- Select from and use a wider range of tools and equipment to perform practical tasks (for example, cutting, shaping, joining and finishing accurately.
- Select from and use a wider range of materials and components.
- Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work.
- Apply their understanding of how to strengthen, stiffen and reinforce more complex structures.

Art

Street art/graffiti

- Through sketching, develop ideas comprising stylised graffiti lettering.
- Through sketching, develop ideas for improving a public space with street art.
- Express ideas through a satirical piece of art (Banksy).

Computing

Computing lessons with Miss Rogan - MGL

History

Victorian Liverpool

- How children were treated during the Victorian period.
- Employment, living conditions and diet of children.

PSHE

- Life in Plastic
- Consent

PE

- Athletics – indoor and outdoor including high jump and relay.
- Striking and fielding games – children develop skills in catching and batting.

Music

Music is delivered by specialist music teacher Mr. Burke each week.

Spanish

Spanish language, knowledge and skills are taught by Senora Pachy Guzman.

Mandarin

Mandarin is delivered each week by Miss Yishan Lu.