

Geography Rivers and Mountains-Local and worldwide

To investigate places

- . Identify and describe how the physical features affect the human activity within a location.
- . Use a range of geographical resources to give detailed descriptions and opinions of the characteristic features of a location.
- . Use different types of fieldwork sampling (random and systematic) to observe, measure and record the human and physical features in the local area. Record the results in a range of ways.

To investigate patterns

Describe how locations around the world are changing and explain some of the reasons for change.

To communicate geographically

.Describe and understand key aspects of:

- .**Physical geography**, including: climate zones, rivers, mountains, volcanoes and earthquakes and the water cycle.
- . **Human geography**, including: settlements, land use, and the distribution of natural resources including minerals, and water supplies.
- . Use the eight points of a compass, four-figure grid references, symbols and a key (that uses standard Ordnance Survey symbols) to communicate knowledge of the United Kingdom and the world.
- . Create maps of locations identifying patterns (such as: land use, climate zones, population densities, height of land).

PE – Rugby

Choose and combine techniques in game situations (running, throwing, catching, passing, jumping and kicking, etc.).

Work alone, or with team mates in order to gain points or possession. Strike a bowled or volleyed ball with accuracy.

Use forehand and backhand when playing racket games. Field, defend and attack tactically by anticipating the direction of play.

Choose the most appropriate tactics for a game.

Uphold the spirit of fair play and respect in all competitive situations. Lead others when called upon and act as a good role model within a team.

Numeracy

To use fractions

.Compare and order fractions whose denominators are all multiples of the same number.

.Compare and order fractions, including fractions > 1 . .Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number.

. Add and subtract fractions with the same denominator and denominators that are multiples of the same number.

. Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number.

. Solve problems which require knowing percentage and decimal equivalents of, $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and those fractions with a denominator of a multiple of 10 or 25.

To multiply and divide

Identify common factors, common multiples and prime numbers.

.Establish whether a number up to 100 is prime and recall prime numbers up to 19.

.Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.

.Recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3).

.Solve problems involving multiplication and division including using knowledge of factors and multiples, squares and cubes.

Art Landscape paintings

To develop ideas

. Develop and imaginatively extend ideas from starting points throughout the curriculum.

Sculpture

.Show life-like qualities and real-life proportions or, if more abstract, provoke different interpretations.

. Use tools to carve and add shapes, texture and pattern.

. Use frameworks (such as wire or moulds) to provide stability and form.

Painting

.Use the qualities of watercolour and acrylic paints to create visually interesting pieces.

. Combine colours, tones and tints to enhance the mood of a piece.

Religious Education- Christian Pilgrimages.

To understand beliefs and teachings

Explain how some teachings and beliefs are shared between religions.

To understand practices and lifestyles

.Explain the practices and lifestyles involved in belonging to a faith community.

. Compare and contrast the lifestyles of different faith groups and give reasons why some within the same faith may adopt different lifestyles.

To understand how beliefs are conveyed

Explain some of the different ways that individuals show their beliefs.

To reflect

Recognise and express feelings about their own identities. Relate these to religious beliefs or teachings.

.Explain their own ideas about the answers to ultimate questions.

.Explain why their own answers to ultimate questions may differ from those of others.

To understand values

Express their own values and remain respectful of those with different values.

Around the World

Rivers and Mountains

When the Mountains Roared

Inspirational activities: Rivers Trust activity.

Science- Forces

To work scientifically

- .Plan enquiries, including recognising and controlling variables where necessary.
- .Use appropriate techniques, apparatus, and materials during fieldwork and laboratory work.
- .Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, bar and line graphs, and models.
- .Report findings from enquiries, including oral and written explanations of results, explanations involving causal relationships, and conclusions.

Forces

- .Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object
- .Identify the effect of drag forces, such as air resistance, water resistance and friction that act between moving surfaces.
- .Describe, in terms of drag forces, why moving objects that are not driven tend to slow down.
- .Understand that force and motion can be transferred through mechanical devices such as gears, pulleys, levers and springs.
- .*Understand that some mechanisms including levers, pulleys and gears, allow a smaller force to have a greater effect.*

ICT- To collect

Select appropriate applications to devise, construct and manipulate data and present it in an effective and professional manner.

Music Rhythm and Pulse

Create rhythmic patterns with an awareness of timbre and duration.

Writing

Narrative Journey stories

Vocabulary, grammar and punctuation

Create complex sentences by using relative clauses with relative pronouns who, which, where, whose, when, that

Create and punctuate complex sentences using ed opening clauses, ing opening clauses,

Create and punctuate sentences using simile starters,

Link ideas across paragraphs using adverbials for time, place

Identify and use commas to indicate parenthesis,

Use expanded noun phrases to convey complicated information concisely,

Planning

Select the appropriate language and structures.

Use similar writing models.

Note and develop ideas.

Think how authors develop characters and settings (in books, films and performances).

Drafting and Writing

Blend action, dialogue and description within and across paragraphs.

Use different sentence structures with increasing control (see VGP).Use devices to build cohesion

Evaluating and Editing

Assess the effectiveness of own and others' writing in relation to audience and purpose.

Suggest changes to grammar, vocabulary and punctuation to enhance effects and clarify meaning.

Proofread for spelling and punctuation errors

Writing

Non-Fiction Information pages

Vocabulary, grammar and punctuation

Create complex sentences by using **relative clauses** with **relative pronouns** who, which, where, whose, when, that

Demarcate complex sentences using commas in order to clarify meaning.

Identify and use brackets to indicate parenthesis.

Use devices to build cohesion within a paragraph

Use expanded noun phrases to convey complicated information concisely, e.g. carnivorous predators with surprisingly weak jaws and small teeth.

Use a colon to introduce a list

Use modal verbs to indicate possibility or certainty

Planning

Identify the audience and purpose.

Select the appropriate language and structures.

Use similar writing models.

Note and develop ideas.

Drafting and Writing

Select appropriate structure, vocabulary and grammar.

Use further organisational and presentational devices to structure text and to guide the reader [for example, headings, bullet points, underlining].

Evaluating and Editing

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Suggest changes to grammar, vocabulary and punctuation to enhance effects and clarify meaning.

Proofread for spelling and punctuation errors