



**Beech Class**  
**Miss Kimberley**  
**Curriculum Information**  
**Spring 1 -2024**

### Mathematics

#### Fractions

- Multiply fractions by integers
- Multiply fractions by mixed numbers
- Divide fractions by integers
- Divide fractions by fractions
- Find fractions of amounts

#### Ratio

- Add or Multiply
- Use Ratio language
- The ratio symbols
- Ratio and fractions
- Scale drawing
- Use scale factors
- Similar shapes
- Scale and ratio reasoning and problem solving

#### Algebra

- Step function machines
- Form expressions
- Substitutions
- Formulae
- Form equations
- 1 and 2 step equations
- Find pairs of values
- Solve Problems with 2 unknowns

### Science – Evolution and Inheritance

- Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents.

### Physical Education

- Football
- Hockey

### History/ Geography – Deserts

To know the features of the Arizona Desert and compare with UK geography

- To know that there are 4 different types of desert (Hot and dry, Semi-arid, Coastal, Cold)
- To know that a hot desert is an area that receives very little rain (less than 250ml of rain per year)
- Know some of the biggest hot deserts in the world and locate on map/continents  
Know how hot deserts are formed
- Know the average temperature of the Arizona Desert
- Know the plants and animals that survive in the Arizona Desert

## Deserts



### Creative and Expressive Arts

**Art** – Investigate and research the work of Georgia O'Keefe. Develop compositions with a focus on close up. Learn how to mix and blend watercolour and acrylic paint.

**DT** – Insulating against extreme heat and extreme cold

**Computing** - Creating Media Stop Motion Animation

### Personal, Social and Health Education

#### Working Together

- What are my strengths and skills and how are they seen by others?
- What helps me learn new skills effectively?
- What would I like to improve and how can I achieve this?
- How could my skills and strengths be used in future employment?
- What are some of the jobs that people do?
- How can I be a good listener to other people?
- How can I share my views effectively and negotiate with others to reach agreement?
- How can I persevere and help others to do so?
- How can I give, receive and act on sensitive and constructive feedback?

**English** -We will be looking at the following texts

**Key texts- Dust road- Tom Huddleston**

#### Handwriting

- Write legibly, fluently and with increasing speed. Choose when it is appropriate to print and/or use lower/upper case rather than joining (e.g., labelling a scientific diagram; filling in a form; writing an email address).

#### Vocabulary, Grammar and Punctuation

- Converting nouns or adjectives into verbs using suffixes (e.g. – ate; –ise; –ify) Verb prefixes (e.g. dis–, de–, mis–, over– and re–)
- The difference between vocabulary typical of informal speech and vocabulary appropriate for formal speech and writing (e.g. find out – discover; ask for – request; go in – enter)
- How words are related by meaning as synonyms and antonyms (e.g. big, large, little).
- Indicating degrees of possibility using adverbs (e.g. perhaps, surely) or modal verbs (e.g. might, should, will, must)
- Punctuation of bullet points to list information How hyphens can be used to avoid ambiguity

#### Writing

- Identify the audience for and purpose of the writing, selecting the appropriate form and using other.
- Select appropriate vocabulary and language effects, appropriate to task, audience and purpose, for precision and impact.
- Select appropriate register for formal and informal purposes.
- Make conscious technique choices to engage the reader- e.g., tone, style. Blend action, dialogue and description within and across paragraphs. Use dialogue to convey character

### RE: Beliefs and Meaning

#### Humanism

Make comparisons between the key beliefs, teachings and practices of the Christian faith and other faiths studied, using a wide range of appropriate language and vocabulary.



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### Mathematics – Decimals, Fractions and Percentages

- Integers and decimals
- Rounding decimals
- Adding and subtracting decimals
- Multiply by 10, 100, 1000
- Divide by 10, 100, 1000
- Multiply and divide decimals by an integer,
- Decimal and fraction equivalents
- Fractions as division
- Fractions to percentages
- Equivalent fractions, decimals and percentages
- Order fractions, decimals and percentages
- Percentages of amounts
- Percentages - missing values

### Area, Perimeter and Volume

- Shapes
- Area and perimeter
- Area of a triangle – counting squares
- Area of a right angle triangle
- Area of any triangle
- Area of a parallelogram
- Volume – counting cubes
- Volume of a cuboid

### Statistics

- Line graphs and bar charts
- Read and interpret pie charts
- Pie charts with percentages
- Draw Pie charts

### RE - Beliefs and Meaning

#### Christianity – The Easter Story

- Explain in detail the significance of Christian practices, and those of other faiths studied, to the lives of individuals and communities.

### History/ Geography – Survival and Refugees

To understand the geography (including distance) of the UK to other locations in the world

- To confidently know where the UK is on a world map and to locate the 5 continents.
- To know countries with an unstable society/environment (Syria, Ukraine, Afghanistan, Sudan)
- To know some of the reasons why these countries are considered unstable and why people are willing to risk their lives to leave.
- To know out the route an asylum seeker may take to leave their country for the UK – look at distance and compass direction

## Refugees



### Creative and Expressive Arts –

**Art** – Investigate and research the work of Georgia O'Keefe. Develop compositions with a focus on close up. Learn how to mix and blend watercolour and acrylic paint.

**DT** – Insulating against extreme heat and extreme cold

**Computing** – Programming Music

To know that a soundtrack is music for a film/video and that one way of composing these is on programming software.

To understand that using loops can make the process of writing music simpler and more effective.

### Personal, Social and Health Education

#### Financial Capability

- What different ways are there to gain money?
- What sort of things do adults need to pay for?
- How can I afford the things I want or need?
- How can I make sure I get 'value for money'?
- Why don't people get all the money they earn?
- How is money used to benefit the community or the wider world?
- What is poverty?

### English –Refugees

Continue with **Dust Road** by Tom Huddleston  
**The island** by Armin Greder - picture book.

#### Vocabulary, Grammar and Punctuation

- Use of the passive to affect the presentation of information in a sentence
- Use devices to build cohesion within a paragraph (e.g. then, after that, this, firstly) Linking ideas across paragraphs using adverbials of time, place) and number.
- Linking ideas across paragraphs using a wider range of cohesive devices: repetition of a word or phrase, grammatical connections

#### Writing

- Blend action, dialogue and description within and across paragraphs.
- Use dialogue to convey character and advance the action.
- Consciously control the use of different sentence structures for effect, drawing on techniques used by authors.
- Combine text types to create hybrid texts- e.g., a persuasive report.
- Assess the effectiveness of their own and others' writing in relation to audience and purpose, suggesting and making changes to enhance effects and clarify meaning.
- Proofread for grammar, spelling and punctuation

### Science – Inheritance and Evolution

- Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.
- Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago.

### Physical Education

- Netball and Basket Ball
- Tennis