

## Bay Class Year 5 Topic Overview Autumn Term 2021

### English



#### Class books:

- **Brightstorm** by Vashti Hardy
- **Spaced Out** by Brian Moses and James Carter
- 

#### Types of writing that we will focus on:

- Narrative writing- describing characters, settings, and atmosphere and integrating dialogue to convey character and advance action in our own adventure stories
- Journalistic Writing
- Newspaper report
- Space poetry
- Diary entry

#### Grammar

- Word classes (nouns, verbs, adjectives, adverbs, determiners)
- Fronted adverbials
- Relative pronoun
- Relative clauses
- Modal verbs

### Topic (Geography)

#### Our European Neighbours – We'll be taking an incredible 'virtual' journey around Europe, finding about our closest geographical neighbours.

- Locate Europe and other continents on a world map.
- Identify and locate countries in Europe.
- European flags and features of European countries.
- Identify major capital cities of Europe.
- Compare two European capital cities.
- Study human and physical features of Russia. Compare the Space Programmes of Russia and USA.

### P.E

**Tuesday-** Ball skills and seated volleyball  
**Thursday-** Swimming

### PSHE

PSHE scheme- Alive to the World: Caring and Sharing.  
-Unit 1 & 2 Community.

### RE

#### Unit A- Creation:

- Know that there are two stories of Creation in the Book of Genesis.
- Understand what being made in the image and likeness of God means the responsibility to use our God given talents.
- Know some reasons for praising God the creator of the world.

#### Unit B- Miracles and the Sacrament of the Sick:

- Know a number of miracles that Jesus performed.
- Identify how his actions brought change to people's lives.
- Know about some places of pilgrimage and prayer for the sick.
- Understand that the Sacrament of the Sick is an important celebration for those who are ill.

#### Unit C- Advent:

- Know and understand that Christians prepare to remember the first Coming of Christ and prepare for his Second Coming during Advent. They will know and discuss the messages of those who have proclaimed the coming of Christ.

## Incredible Journeys



### Where am I?

### Where are we going?

### What has God given us?

### Science

#### Earth and Space

- Describe the movement of the Earth and other planets relative to the sun in the solar system
- Describe the movement of the moon relative to the Earth
- Describe the sun, Earth and moon as approximately spherical bodies
- Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky

#### Working Scientifically

- Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.
- Record data of increasing complexity using tables, scatter graphs, bar and line graphs.
- Report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations.
- Identify scientific evidence that has been used to support or refute ideas or arguments.

### Maths

#### Place Value

Numbers to one million (inc. rounding), roman numerals, counting in powers of 10, negative numbers.

#### Addition and Subtraction

Add and subtract more than 4-digit numbers, round to estimate and approximate, Multi-step problems.

#### Statistics

Read and interpret tables and line graphs.

#### Multiplication and Division

Cubed number, Squared numbers, Inverse operations, common factors, prime numbers, multiplying and dividing numbers by 10, 100 and 1000.

#### Perimeter and Area

Measure and calculate perimeter and area of shapes.

### Music

- Appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions, great composers and musicians from around the world.
- Develop an understanding of the history of music.
- Compose music using space as inspiration- using notes of a long duration inspired by 'Thus spoke Zarathustra' by Ricard Strauss (Space Odyssey).

### Computing

- Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.
- Formatting and applying skills developed using PowerPoint to research, design and present a chosen explorer by inserting text boxes, images, edit text size, style and font, inserting animation sounds, hyperlinks, saving and retrieving files.

### Art/DT

- Study the art of origami and create an origami star as part of a class 'galaxy.'
- Design and create a 3D mobile of the Solar System.
- Design and create an artistic portrayal of a fictional planet.
- Design and make a Matryoshka doll.

## Knowledge Organiser Autumn Term 2021

<b>TOPIC</b>	<b>SCIENCE</b>																										
<p><u>Key Vocabulary:</u> <i>Can you find out the meaning of these words and use them in a sentence correctly?</i></p> <p>Continent Country City Human geography Physical geography. Europe Features Locate Landmarks Brochures Information Compare Contrast Atlas</p>	<p><u>Key Vocabulary:</u> <i>Can you find out the meaning of these words and use them in a sentence correctly?</i></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Earth</td> <td style="width: 50%;">orbit</td> </tr> <tr> <td>planets</td> <td>axis</td> </tr> <tr> <td>Sun</td> <td>tilt</td> </tr> <tr> <td>Solar system</td> <td>eclipse</td> </tr> <tr> <td>Moon</td> <td>Mercury</td> </tr> <tr> <td>celestial body</td> <td>Venus</td> </tr> <tr> <td>sphere/spherical</td> <td>Mars</td> </tr> <tr> <td>rotate/rotation</td> <td>Jupiter</td> </tr> <tr> <td>spin</td> <td>Saturn</td> </tr> <tr> <td>night &amp; day</td> <td>Uranus</td> </tr> <tr> <td>heliocentric</td> <td>Neptune</td> </tr> <tr> <td>geocentric</td> <td>Pluto</td> </tr> <tr> <td>satellite</td> <td>'dwarf' planet</td> </tr> </table>	Earth	orbit	planets	axis	Sun	tilt	Solar system	eclipse	Moon	Mercury	celestial body	Venus	sphere/spherical	Mars	rotate/rotation	Jupiter	spin	Saturn	night & day	Uranus	heliocentric	Neptune	geocentric	Pluto	satellite	'dwarf' planet
Earth	orbit																										
planets	axis																										
Sun	tilt																										
Solar system	eclipse																										
Moon	Mercury																										
celestial body	Venus																										
sphere/spherical	Mars																										
rotate/rotation	Jupiter																										
spin	Saturn																										
night & day	Uranus																										
heliocentric	Neptune																										
geocentric	Pluto																										
satellite	'dwarf' planet																										
<p>Star Questions- these are key things to think about.</p>																											
<p>* Can you locate Europe on the map of the world?</p> <p>** How many countries and their capital cities can you name and find on a map?</p> <p>*** What is a capital city?</p> <p>**** What is the difference between human and physical geography?</p> <p>***** Can you create a tour guide of Europe taking in many countries, different landmarks and geographical features.</p>	<p>* Can you explain what a solar system is?</p> <p>** What are the names of the planets in our solar system and what facts do you know about them?</p> <p>*** How is a star different to a planet?</p> <p>**** We say the sun rises and sets, or that the sun comes up/goes down, can you explain why we say these things? What is really happening?</p> <p>*****If you could explore space, where would you go and why?</p>																										

The questions are of increasing difficulty, encouraging pupils to be 'ambitious for the higher gifts'. The four-and five-star questions are designed to be opened ended and rely on higher order thinking. Perhaps these questions could form the basis of discussions at home, as well revisiting key knowledge in the first three-star questions.