

**YEAR 5- INDIGO CLASS - MR MURPHY**

*Information for Parents*

*Summer Term 2023*

	Summer Term 1 Term dates: 18/4/2023-26/05/2023	Summer Term 2 Term dates: 5/6/2023-21/07/2023
<b>Literacy</b>	<p><b><u>Robot Girl</u></b> Robot Girl by Malorie Blackman, begins by asking children to explore an argument, and construct a debate. During this text, children will create persuasive speeches, explanation texts and discussion texts. The final outcome of this text gives children the opportunity to publish own short science fiction narrative.</p> <p><b><u>The Man Who Walked between Two Towers</u></b> Children will study the feat of a man who was a tight-rope walker. They will explore how a real-life story has been portrayed as fiction. They will write a diary entry and persuasive letters of advice culminating in an autobiography.</p>	<p><b><u>Kasper Prince of Cats</u></b> Children will share this novel about Kaspar the Savoy cat, the only cat to survive the sinking of the Titanic! Through this text, children will create a range of fiction and non-fiction writing including letter writing, narrative writing, newspaper articles, recounts and researching The Titanic and its voyage.</p> <p><b><u>Mythologica</u></b> Children will read and enjoy a collection of Ancient Greek myths. We will explore the distinct characteristics of the Greek Gods, and will investigate language origins associated with Greek mythology.</p>
<b>Numeracy</b>	<p><b><u>Place Value</u></b> – Read, write, and recognise, numbers beyond 1 million. Order, compare and round numbers within it. Partition 6-digit numbers and decimal numbers. Know the place value of each digit. Order, compare and round numbers with up to 3 decimals (including measures), to a decimal place.</p> <p><b><u>Number</u></b> – Use formal methods to add and subtract 5-digit numbers, with up to 3 decimal places. Recognise square numbers and use the notation (<sup>2</sup>). Relate cube numbers to volume and cm<sup>3</sup> Use the formal written method to multiply 3-digit by 2-digit numbers. Use formal methods to divide 4-digit numbers with remainders expressed as a fraction. Apply divisibility tests. Solve multi-step word problems for all 4 operations (including money, measure and rounding up or down).</p> <p><b><u>Measurement</u></b>- Convert between metric units of length. Estimate, measure and record in mixed units to the nearest mm. Use decimal notation. Follow a line of enquiry related to length. Express the formula for finding the perimeter. Calculate perimeters of composite rectilinear shapes. Solve problems with missing measurements. Find area of rectangles and volume of cuboids. Use the notations cm<sup>2</sup>, m<sup>2</sup>, cm<sup>3</sup>).</p> <p><b><u>Geometry</u></b> – Identify 3D shapes, from 2D representations. Describe their properties. Identify and investigate nets that will make a cuboid. Name all quadrilaterals and triangles. Distinguish between regular and irregular polygons based on reasoning about sides, angles and lines of symmetry. Plot co-ordinates in the first quadrant to complete a given polygon.</p>	<p><b><u>Fractions</u></b>- Convert between mixed numbers, improper fraction and decimals. Find fractions and percentages of whole numbers. Multiply fractions by whole numbers. Know and compare decimal and percentage equivalents of common fractions. Solve problems involving percentages.</p> <p><b><u>Measurement</u></b>- Convert between 12 hour and 24-hour digital clocks and between units of time. Choose suitable units of measure to make estimates of length, mass and capacity. Read a range of scales. Understand approximate equivalences between metric and common imperial units, such as feet and inches, pounds and pints. Solve problems involving length, mass, and capacity and use decimal notation in the answer. Solve integer scaling problems such as changing the quantities of a recipe in proportion. Investigate statements relating to measurement such as the height of a person in relation to their fully extended arm span.</p> <p><b><u>Statistics</u></b>- Interpret a straight-line graph showing conversion from km to miles and answer related questions.</p> <p><b><u>Number</u></b>- Multiply and divide numbers mentally using strategies such as knowledge of place value, factors, multiples and inverse operations. Use factor pairs, the associative law, partitioning and the distributive law to calculate multiplication sums. Know how to use partitioning to calculate division sums. Understand the meaning of the = sign to indicate equivalence, in missing number problems. Decide which operations to use, to solve multi-step addition, subtraction, multiplication and division problems in combination. Check answers by rounding. Investigate statements by applying reasoning. Problem solve by looking for patterns, finding all possibilities, recording and reporting findings. Use and apply knowledge of square and cube numbers.</p>

<i>Science</i>	<p><b><u>Living Things and their Environment including Humans</u></b> Charting the changes from infant to old age in humans. Looking at the foetal stage in humans and comparing gestational periods between different animals and humans to investigate any links to their size or life expectancy.</p>	<p><b><u>Lifecycles and Reproduction in Plants and Animals.</u></b> Describing pollination, fertilisation, and seed dispersal as well as asexual plant reproduction from bulbs or by producing runners. Exploring the lifecycles of mammals in different habitats to make comparisons. Researching the life of Jane Goodall and her work with chimpanzees.</p>
<i>Religious Education</i>	<p><b><u>Transformation</u></b> Children will show and have an understanding of their own and others' decisions about the use of transforming energy as informed by beliefs and values.</p> <p><b><u>Freedom and Responsibility</u></b> Children will explore the freedoms we have but the rights and responsibilities that come with freedom.</p>	<p><b><u>Stewardship</u></b> We will look at caring for the gifts that God has given us.</p> <p><b><u>Judaism</u></b> Exploring Jewish beliefs and culture. We will look at Jewish traditions and festivals.</p>
<i>Computing</i>	<p><b><u>Creating media: Video editing</u></b> Children will learn how to create short videos in groups. As they progress through this unit, they will be exposed to topic-based language and develop the skills of capturing, editing, and manipulating video.</p>	<p><b><u>Programming B – Selection in Quizzes</u></b> Children will develop their knowledge of selection by revisiting how conditions can be used in programs and then learning how the If... Then... Else structure can be used to select different outcomes depending on whether a condition is true or false.</p>
<i>History</i>  <i>NB. Geography content was covered in Spring Term.</i>	<p><b><u>Ancient Greece Culture, Customs and Civilisation.</u></b> Pupils will study the legacy of Greek culture up to the present day. They will develop a chronologically secure knowledge of the achievements of ancient Greeks and their influence on the western world.</p>	<p><b><u>The Industrial Revolution Famous inventors and engineers.</u></b> Pupils will be able to explain why transport improved during the 1700s and how the expansion of the rail network affected people's lives. They will describe technological developments during this period.</p>
<i>Art/DT</i>	<p><b><u>Cityscapes</u></b> Children will experiment with different mediums to capture the mood of a city's imposing buildings, focussing on changes to the sky.</p>	<p><b><u>William Morris designs.</u></b> Children will study the floral vegetable and wildlife patterns made by William Morris and create wallpaper using his style of printing.</p>
<i>Music</i>	<p><b><u>Introducing Chords.</u></b> Children will listen and respond to selected music (including 180 bpm, <math>\frac{6}{8}</math> time C-major using notes C D E F G A B) They will use instruments to accompany the music. They will sing and perform.</p>	<p><b><u>Words, Meaning and Expression.</u></b> Children will listen and respond to selected music (including 66 bpm, <math>\frac{3}{4}</math> time, D-major, using notes D E F# G A). They will use instruments to accompany the music. They will sing and perform.</p>
<i>Physical Education</i>	<p><b><u>Team Games</u></b> Explore cricket, football, hockey, rounders, netball, tennis, and tag rugby. Control a ball, dribble and pass, show possession, mark an opponent and learn to work collaboratively as part of a team.</p>	<p><b><u>Athletics</u></b> Develop flexibility, strength, skill, technique, control, balance and begin to compete within organised competition rules. Explore all track and field events to achieve a personal best and participate individually or as part of a team.</p>
<i>Homework</i>	<p><b>Reading Arrangements:</b> Children are expected to read at home for at least <i>20 minutes every day</i>. Parents and children are both encouraged to use the reading record booklet to share comments. Reading books and records are to be brought into school every day.</p> <p><b>Homework Arrangements:</b> Homework will be given on a Monday with timetabled activities which is posted as a memo on Tapestry. Homework books are to be used to record homework tasks which can be digitally captured and then posted onto Tapestry.</p>	
<i>Additional Information</i>	Remember to wear full PE kit on a Wednesday and Friday.	

