



Introduction to our topic

During 'Rise of the Robots', we are aiming to answer some key questions:

- Where did it all begin – when was the first robot invented?
- What did the first computer look like?
- Why and how have robots changed over time?
- What impact do robots have on our daily life?
- How have robots evolved and what will we see in the future?

Our key learning this term

Personal and social development	<p>Independence</p> <p>This term, we will be thinking about valuing difference. We will be recognising and celebrating our many differences (including religious and cultural) and we will be understanding and challenging stereotypes.</p>
English	<p>Our class guided reading book for this term is: <i>Operation Gadgetman!</i> by Malorie Blackman.</p> <p>We will be focusing on writing an explanation and a science fiction story using the texts: <i>Until I Met Dudley</i> and <i>Gussie Goes Bonkers</i>.</p> <p>We will have regular SPaG meetings to revisit, develop and challenge prior knowledge and we will continue to focus on joined (cursive) handwriting.</p>
Maths	<p>Addition and Subtraction</p> <p>We will continue to add and subtract 2, 3 or 4-digit numbers and begin to solve addition and subtraction problems. We will estimate answers and consider the most efficient methods for completing calculations.</p> <p>Multiplication and Division</p> <p>The children will apply their knowledge of times tables by looking at related calculations and efficient multiplication. They will also look at multiplying by 1 and 0 and dividing a number by 1 and itself.</p> <p>Area</p> <p>The children will learn that area is the amount of space taken up by a two-dimensional shape or surface. They will find the area of shapes by practically counting squares, draw shapes with given areas and make comparisons.</p>
Computing	<p>Programming - Using Logo</p> <p>We will learn how to create and debug algorithms this term. We will use basic commands in Logo to move and draw using the turtle on screen and then further develop algorithms using the "repeat" command.</p>
Science	<p>Electricity</p> <p>This term we will identify common appliances that run on electricity. We will construct simple circuits and be able to name the basic parts involved. We will explore how to make a switch and investigate which materials are conductors and which are insulators.</p>

The Arts (Art & Design, Design and Technology, Music, Drama)	<p>DT – Electrical systems Our major focus this term will be linked to our science topic. We will understand and use electrical systems (for example series circuits incorporating switches, bulbs and buzzers) in order to design, make and evaluate a 'steady hand' game.</p> <p>Art – Painting and printing We will be creating sketches, paintings and press prints inspired by the artist Eric Joyner. We will experiment with showing line, tone and texture with different hardness of pencils and use varied brush techniques to create shapes, textures, patterns and lines.</p> <p>Music – Chilled-out clap rap As musicians, we will be developing further our understanding of beat and rhythm. We will learn about rap and create different rhythm patterns for body percussion and instruments. We will also play a part in a group performance.</p>
Humanities (R.E., History, Geography)	<p>RE - Incarnation This term, we will explore the Christian belief in Incarnation and learn more about the life of Jesus.</p> <p>History/Geography We will learn about the origin of computers and robotic technology. We will investigate how robotic technology has been, and continues to be, developed globally.</p>
P.E.	<p>Swimming In this topic, we will be increasing our water confidence and improving our swimming technique by learning to use a range of strokes effectively.</p> <p>Invasion games – Tag Rugby The children will learn passing and defending techniques as well as improving their movement and sprinting skills.</p>
Modern Foreign Language - Spanish	<p>Musical Instruments – Los instrumentos By the end of term, we will be able say what instrument we play in Spanish. We will also be able to name and recognise up to 10 instruments in Spanish and spell some of these nouns with their correct definite article/determiner.</p>
Activity Passport Experiences	
<p>This term we will have an opportunity to...</p> <ul style="list-style-type: none"> ✓ Design and make a 'steady hand' game. ✓ Take part in a class performance in the church. 	