



English	Maths
<p>We will be studying 'Holes' written by Louis Sachar: We will immerse ourselves into the novel and use it to create a range of writing.</p> <p>These include:</p> <ul style="list-style-type: none"> • Persuasive text • Letter • Newspaper Report <p>Some of the main areas of focus will be:</p> <ul style="list-style-type: none"> • Using ambitious vocabulary • Making inferences about characters • Proofreading and editing work • Using a range of punctuation • Using relative clauses appropriately. • Direct and reported speech • Formality of language 	<p>This term we will cover:</p> <p>Area, Perimeter and Volume</p> <ul style="list-style-type: none"> • To calculate the area of all triangles. • To understand area and perimeter. • To calculate the area of a parallelogram. • To calculate volume by counting cubes. • To calculate the volume of a cuboid. <p>Statistics</p> <ul style="list-style-type: none"> • To interpret and construct pie charts and line graphs and use these to solve problems. • To calculate and interpret the mean as an average. <p>Shape</p> <ul style="list-style-type: none"> • To measure and classify angles. • To calculate angles. • To calculate vertically opposite angles. • To calculate the angles within a triangle. • To calculate missing angles. • To calculate the angles within a quadrilateral. • To calculate angles within polygons. • To understand the radius, diameter and circumference of a circle. • To draw 3D shapes and their nets accurately <p>Links</p> <p>http://www.amathsdictionaryforkids.com/ https://play.ttrockstars.com/ttrs/dashboard</p>
Science	Computing
<p>Light</p> <p>This term, pupils will learn to:</p> <ul style="list-style-type: none"> • Understand that light is a form of energy that enables us to see. • Learn that light travels in straight lines and is reflected off objects into our eyes. • Explore how we see, including the role of the eye and reflected light. • Investigate reflection, including how light reflects off mirrors and follows the law of reflection. • Explore refraction, understanding how light changes direction when passing through different materials. • Learn that white light is made up of a visible spectrum of colours, which can be seen using a prism. • Investigate shadows, understanding how they are formed when light is blocked. • Compare opaque, translucent and transparent materials and how they affect the passage of light. 	<p>Artificial Intelligence - Machine Learning</p> <p>This term, pupils will learn to:</p> <ul style="list-style-type: none"> • Understand what Artificial Intelligence (AI) and machine learning are and how they are used in everyday technology. • Learn how computers use data and patterns to make decisions. • Train an AI model using images and use it within a Scratch program. • Collect and organise data to improve the accuracy of an AI model. • Use selection and conditions in programs to respond to AI-generated decisions. • Apply computational thinking skills, including decomposition, pattern recognition and abstraction. • Debug and improve programs by testing and refining both the code and the AI model. • Evaluate their own work and give feedback to others, reflecting on how effectively their program

- Explore real-life applications of light, including mirrors, periscopes and optical instruments.
- Plan and carry out simple investigations, record findings, and explain results using scientific vocabulary.

Key Words

Light, light source, reflection, reflect, refraction, straight lines, visible spectrum, prism, shadow, opaque, translucent, transparent, mirror, periscope, eye, pupil, retina

meets its purpose.

- Share completed projects responsibly, linking learning to digital literacy and online safety.

Key Words

Artificial intelligence, machine learning, data, model, train, image, pattern, class, selection, condition, algorithm, debugging, abstraction, decomposition

Humanities

PSHE

Sustainability

The children will learn about:

- Reducing our carbon footprint
- Climate change and Global warming
- Reusing, reducing and recycling
- Deforestation
- Energy consumption and renewable energy
- Sustainable food

The students will work towards 'showcasing' what they have learnt in mini-presentations at the end of the term.

Key Words

Environment, Carbon Footprint, Sustainability, Energy, Reduce, Reuse, Recycle, Deforestation, Plastic, Waste, Climate change, Global warming and Greenhouse gases.

Digital Wellbeing

By the end of this unit all children should be able to:

- Identify the benefits and risks of the Internet.
- Understand it is important to look after their digital wellbeing.
- Recognise the signs of inappropriate and harmful online relationships.
- Identify the benefits and risks of social media.
- Understand that online bullying is wrong and what to do to get help to make it stop.
- Explain that not all online information is true.

Key Words

Internet, kindness, device, cyber-bullying, screen time, online safety, apps, age restrictions, personal information, respect, trusted adult, privacy, messages, responsibility, fake news, social media, password, help, reliability

Growing Up

By the end of this unit all children should be able to:

- Describe the changes that people's bodies go through during puberty and how we can look after our changing bodies.
- Describe how thoughts and feelings may change during puberty and suggest how to deal with those feelings.
- Recognise that many things affect the way we feel about ourselves and I understand that there is no such thing as an ideal kind of body.
- Understand what a loving relationship is and that there are many types of relationships.
- Describe the process of human reproduction, from conception to birth.

Key Words

Puberty, emotion, change, relationship, loving relationship, reproduction, human reproduction

Special Notices

- Encourage your child to practise their multiplication tables up to 12 x 12 using TTRS.
- Encourage your child to read regularly (fiction and non-fiction books) either using Bug Club, Sora or physical books.
- Encourage your child to practise their spelling words regularly and to write them into sentences.
- Ensure that your child completes their homework by the specified deadline.

If you have any queries on any of the links or content please contact your child's class teacher