

# Spring Term Overview

<u>Tutor Group 9K</u> <u>Subject &amp; Teacher</u>	Subject Overview	How you can help at home	Subject specific key words to practise with your child
<p><b>English</b> <b>Mr Mauremootoo</b></p>	<p>This term, pupils will be studying gothic horror. They will be reading 'Frankenstein,' and writing their own ghost stories.</p> <p>Pupils will contextualise gothic literature by learning about Mary Shelley, and studying themes within the book. They will look at tropes of horror and how they create tension and suspense.</p> <p>After half-term, pupils will apply their new skills creatively to write and edit their own ghost stories. Pupils will create descriptions of characters and use their knowledge of tension to create suspense and horror gothic-style literature.</p>	<p>Goosebumps can be watched by pupils with you on Netflix. Discuss how tense different parts of the episodes are and why.</p> <p>Neil Gaiman books are age-appropriate gothic-style texts that can be read to students to further their experience of the genre.</p> <p>Story-based games. Try saying a sentence and asking your child to add another sentence that increases the suspense of the story. Keep going until you reach the climax of the tale.</p>	<p>Suspense</p> <p>Theme</p> <p>Horror</p> <p>Supernatural/magic</p> <p>Protagonist</p>
<p><b>Maths</b> <b>Mrs Sipek</b></p> <p><b>Mr Upward</b></p>	<p>This term pupils' will be extending their understanding of multiplication and division calculations, looking at different ways to show and calculate problems. They will then spend some time developing their time telling skills. In term 4 pupils will explore different ways to show fractions in shapes and numbers before finishing the term thinking about position and movement.</p> <p>This term, in number, pupils will be exploring the relationships between fractions, decimals and percentages. They will develop their understanding of equivalent</p>	<p>Please encourage pupils to be aware of the time and support time telling skills.</p> <p>Please encourage pupils to practice what they are learning on MathsPad.</p>	<p>Multiply</p> <p>Divide</p> <p>Array</p> <p>Minutes</p> <p>Seconds</p> <p>Numerator</p> <p>Denominator</p>

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	<p>fractions.</p> <p>With geometry, they will continue their learning with angle rules. They will also explore the units we use to measure mass, volume and length.</p> <p>This term, pupils will also study algebra. They will study different types of sequence (linear and non-linear). They will also learn about the rules we apply to algebra.</p>		<p>Vertically</p> <p>Formula</p> <p>Expression</p>
<p><b>Science</b> <b>Ms Duffy</b></p>	<p>This term pupils will be learning about the different types of force, how to measure force, and how forces can change an object's speed, direction and shape. They will be learning to measure speed using the equation speed equals distance divided by time. They will then measure how much work is done by a force moving an object and how machines such as levers, pulleys and gears can multiply the force applied. Next term pupils will be learning about how we classify living things, how they are adapted to survive in their environment and how this leads to the theory of evolution by natural selection.</p>	<p>At home pupils can use BBC Bite Size to reinforce their learning.</p> <p>KS3 Physics topics</p> <ul style="list-style-type: none"> <li>• Forces and Movement <ul style="list-style-type: none"> <li>○ Introduction to forces</li> <li>○ Force diagrams and resultant forces</li> <li>○ Motion and speed</li> <li>○ Weight and mass</li> <li>○ Friction</li> <li>○ Terminal Velocity</li> </ul> </li> </ul> <p>KS3 Biology topics</p> <ul style="list-style-type: none"> <li>• Ecosystems and Habitats <ul style="list-style-type: none"> <li>○ Kingdoms and classification</li> <li>○ Adaptation of plants</li> </ul> </li> <li>• Inheritance and Genetics <ul style="list-style-type: none"> <li>○ Adaptations and Evolution</li> <li>○ What is natural selection</li> <li>○ Natural Selection leads to evolution.</li> </ul> </li> </ul>	<p>Newtons</p> <p>Friction</p> <p>Adaptation</p> <p>Evolution</p> <p>Natural Selection</p>
<p><b>Art</b> <b>Miss Foster</b></p>	<p>This term in Art, we will be practicing how to independently explore and experiment with ideas to create a final piece. Pupils will be given the opportunity to choose their own animal subject, as well as their own materials and their own artistic influences. Pupils will look at the art styles of street</p>	<p>Pupils can be supported at home by observing their surroundings to identify street artwork. Pupils should be encouraged to describe what they see and try to explain what they think about</p>	<p>Street art</p> <p>Messages</p> <p>Animals</p>

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	artists John D'oh, ROA, Alexis Diaz, Dzia and Sonny, before working to create a final piece which communicates a message to the viewer about their chosen animal.	the artist, artwork, and the messages it is trying to share with the viewer. Pupils should be encouraged to use subject specific terminology in their interpretations.	Exploration Experimentation
<b>DT</b> <b>Mr Waring</b>	This half term pupils will be adding the finishing touches to their graffiti Textiles project, they will be finishing their embellishment before constructing their phone/tablet case. Later this term pupils will be 'engineers', they will be taking part in group activities to find out more about how Dyson works by deconstructing Hoover parts. Next term pupils will be using acrylic to create a clock inspired by the design style of Memphis. Over the up-and-coming weeks the pupils will be carrying out various research tasks to help them inform their design. This term pupils will be looking further into the safety of equipment and machinery, before using various machines in the workshop.	You can look on the James Dyson Foundation resources, there are many challenges and videos. <a href="https://www.jamesdysonfoundation.co.uk/resources.html">https://www.jamesdysonfoundation.co.uk/resources.html</a> You can also look to see if you can find unusual clock shapes.	Engineering Deconstruction Analogue Pillar drill Acrylic
<b>PE &amp; Games</b> <b>Mr Altman</b> <b>Mr Stinton</b> <b>Mr Hunt</b>	This term we will be practising our map reading and teamwork skills through orienteering. We will be learning how to read maps and work together as a team to follow routes and crack codes in lessons. Pupils will learn how to hold and thumb the map and learn how to read maps from a birds-eye view. Pupils will also develop their muscular endurance through this topic by running between different checkpoints. Pupils will also be learning about trampoline this term and how to perform a range of shapes, including pike, straddle and tuck jump.	Go for walks, plan routes, follow maps of local areas. Get your child to draw maps of their house and garden	Grid Shapes Rhythm Body Tension
<b>History</b> <b>Mr Bentley</b>	This term we will be learning about the life of Charles Darwin and his journey of exploration onboard the HMS Beagle. We will look at the places that he visited and focus on his work as the ship's naturalist and the scientific theories that he came up with. Next term we will move onto	There are some lovely resources on BBC bite size on Charles Darwin. <a href="https://www.bbc.co.uk/teach/charles-darwin-evolution-and-the-story-of-our-species/z7rvxyc">https://www.bbc.co.uk/teach/charles-darwin-evolution-and-the-story-of-our-species/z7rvxyc</a>	Evolution Naturalist Explorer

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	the suffragette movement, exploring what life would have been like for women in the past and learning about some influential women within the movement, including Emmeline Pankhurst and Emily Davison.	There are also some good videos on the Suffragette movement <a href="https://www.bbc.co.uk/bitesize/topics/z7yn7nb/articles/zh6nsk7">https://www.bbc.co.uk/bitesize/topics/z7yn7nb/articles/zh6nsk7</a> Talk about the different views that people had in the past and talk about how these have changed over time.	Suffragette Campaign
<b>Geography</b> <b>Mrs Lamburn</b>	We will continue our work on extreme weather and the 2007 Gloucestershire flood, before commencing work on a new topic, 'Beside the Sea'. Pupils will learn about the ocean, coastal landforms and how tides work. They will learn to recognise and describe a range of coastal features. They will learn how coastlines change over time, due to erosion and will consider how this can affect local people.	Talk about any memories you may have of the 2007 flood. Encourage your child to read seaside related books and discuss any seaside resorts that you may have visited as a family and the types of beaches and features found there. Have conversations on what we can do to look after our oceans, beaches and coastlines.	Beach Coast Erosion Sea defence Wave
<b>Food Studies</b> <b>Mrs Goss</b>	In Food Studies this term, 9L will be continuing with the preparation, knife, and cooking skills which they have been working on in the previous term; from creating homemade sauces to handling raw meat. We will begin the term with a prawn stir-fry, Thai green chicken curry, chicken & bacon filo pie then end with creating their very own pizza in a pizza box! After February half term, we will introduce the electric whisk to create a mango & coconut sponge cake, then on to a turkey & mango curry and then finish with a batch of fantastic Easter cookies for an end of term treat. Our running theme this term is food labelling and allergens. We will look at the food traffic light system, identifying foods high in fat, sugar, and salt, reading allergen information, allergic reactions and intolerances and the importance of sharing allergen information; all real-life skills which are necessary for the future.	When around food packaging, make a point to ask the pupils questions in regards to what they can see or notice on the labelling e.g. How can you tell if an individual who is lactose intolerant cannot eat this? Or, how much saturated fat is in this product?	Allergens Anaphylactic shock Intolerance Creaming method Expiration dates
<b>Computing</b>	This term pupils will begin the year by developing an app for the E3 Exhibition using the interactive elements within	If pupils wish to complete or develop work at home then they can access work	Interactive

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<b>Mr Waring</b>	Microsoft PowerPoint. Then they will explore binary numbers relating to pixel colours. Pupils will learn about software and file encryption. Term 4 will see a return to programming as pupils continue to develop their coding skills with Python as well as dipping back into Networking theory as well as how they can use Excel to create an events ticket system.	on their OneDrive via <a href="#">RM Unify</a>	Trigger Binary Encryption Cipher
<b>Music</b> <b>Mrs Lea</b>	This term in Music, pupils will be developing their prior learning about how the classroom keyboard is used and played. They will be practising pieces of keyboard music to build skills and understanding of reading music and playing an instrument using correct posture, fingering and accuracy of pitch and rhythm. They will also learn to play basic chords with a piece of music. Pupils will also explore different keyboard instruments from different times and places.	If pupils have access to a keyboard, they can practise what they have been learning in school. If they do not have a keyboard, they can download a variety of piano apps to develop their understanding of notation.	Scale Octave Sharp Flat Chord
<b>PSD</b> <b>Mr Smith</b>	In term 3 in PSD, pupils will be covering the topic "The World I Live In". There are 5 elements to this topic and they cover; 1. Diversity, Rights and Responsibilities, 2. Managing Online Information, 3. Taking Care of the Environment, 4. Preparing for Adulthood and 5. Managing Finances. In term 4 in PSD, pupils will then be moving onto "Self-Care, Support and Safety". There are 7 elements to this topic area and they are; 1. Feeling Unwell, 2. Feeling Frightened/Worried, 3. Accidents and Risk, 4. Keeping Safe Online, 5. Emergency Situations, 6. Public and Private and then 7. Gambling.	Encourage conversation and discussion around their own rights and responsibilities at home, school, in society and online. It would be helpful to talk about borrowing and lending in the context of money. To support their work on Self-Care, Support and Safety it would help to encourage discussion around personal hygiene, physical and mental health and personal space. Open conversations around online safety and their use of mobile phones/apps will assist lesson content. You and your child could also look at TV adverts related to gambling and discuss why people gamble and the risks associated with gambling.	Credit Debt Hygiene First Aid Trusted Adult

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<b>RE</b> <b>Mr Lamburn</b>	In term 3-4 pupils will explore, 'How and why do people try to make the world a better place?' In this unit, pupils will look at, 'How do beliefs influence actions?' Firstly, looking at key teachings of Jesus, pupils will learn the meaning of the parable of the Good Samaritan. We will consider the impact of religious belief and how some people are inspired to stand up for justice. Pupils will also conduct some guided research and study individuals who have put their religious beliefs into practice, e.g., Mother Teresa, Elizabeth Fry, Martin Luther King, St Francis of Assisi.	Encourage discussion on people who put their beliefs into action and reflect on the value of love, forgiveness, honesty, kindness, generosity and service; in their own lives and in light of their studies in RE.	Actions Beliefs Mission Parable Teachings
<b>Drama</b> <b>Miss Price</b>	During terms 3 and 4, pupils will be learning about puppets. Pupils will explore a range of puppets and puppetry techniques, and perform plays, stories and poems using different types of puppets. Pupils will also continue to develop and learn key drama skills.	Encourage pupils to watch clips of different puppet TV programmes (for example "The Muppets," "Sesame Street," and "The Sooty Show") and say what they liked about the different puppet characters, as well as encourage them to identify the types of puppets used.	Puppets Puppetry Hand puppets Shadow puppets Marionettes