

Year 8 KS3 Curriculum 'in advance' T4

Subject	What we are learning in T4	How parents/carers can help
English	<ul style="list-style-type: none"> • Pupils will conclude their work on Gothic literature with an assessment on an extract from 'The Woman in Black' by Susan Hill which will consolidate their understanding of the techniques that a writer uses to create and build tension. • Novel Study: Pupils will begin their work on 'Wolf Hollow' by Lauren Wolk. They will be introduced to the setting of the novel (USA during The Great Depression and WW2) and relate this context to their understanding of the characters and themes of the novel. 	Support pupils with weekly homework tasks. Listen to pupils read whenever possible and encourage them to fill in five reads a week in their planner.
Maths	<p>Simplifying expressions containing indices; including adding/subtracting, multiplying/dividing and power to a power. Calculate with standard form Use the mean, mode, median and range to analyse data and solve problems.</p>	<p>Support pupils by helping them engage with Sparx online homework. Topics are set in-line with current lessons.</p> <p>Scheme of work and supporting lessons are available on TEAMS.</p>
Science	<p>Photosynthesis</p> <ul style="list-style-type: none"> • Describe photosynthesis as a word equation • Describe the structure of a leaf and how it is adapted for photosynthesis • Describe how the plant is adapted to transport glucose and water • Investigate the effect of light intensity on photosynthesis 	Support your child by discussing what they have been learning in their lessons. Use BBC Bitesize as a starting point for conversation to support learning in lessons. Support your child to complete their weekly homework on the Carousel Learning platform accessed via Teams.
History	<p>How far were peoples' lives changed by the Industrial Revolution?</p> <ul style="list-style-type: none"> • To consider how revolutionary the Industrial Revolution was between 1750-1900. • To explore the domestic system of production. 	<p>The Industrial Revolution - BBC Bitesize The Industrial Revolution - KS3 History - BBC Bitesize</p>

	<ul style="list-style-type: none"> • To identify and describe key inventions of the Industrial Revolution. • To consider what the most significant cause of the Industrial Revolution was. • To understand the transition to and the nature of the factory system. • To explore developments in transportation during the Industrial Revolution. • To consider how successful the 1833 Factory Act was. • To know why people protested against change • To understand the story of the Tolpuddle Martyrs. • To consider interpretations from the story of the Tolpuddle Martyrs. • To consider if there was revolution in football 	
Geography	<p><u>Water on the land: What is the journey of our local rivers and how does this impact on humans in Dorset?</u></p> <p>To understand the water cycle and key terms To draw, describe and explain features of a drainage basin To understand how a river changes. To understand the key processes of erosion, transportation and deposition To understand the formation of waterfalls. To increase knowledge of major waterfalls To understand how meanders are formed and where they are found on a river To begin to answer the question: How does the cross profile of the River Frome change over distance?</p>	Rivers - KS3 Geography - BBC Bitesize
Theology	<p><u>Buddhism: What do Buddhists believe?</u></p> <p>To learn who the Buddha is and what the four sights of suffering are.</p>	Facts about Buddhism – KS3 Religious Studies – BBC Bitesize

	<p>To learn what the Three Universal Truths (or the 3 Marks of Existence) are.</p> <p>To know why the noble eightfold path is so important in Buddhism</p> <p>To connect Buddhism to the world around us</p> <p>To know what the Five Precepts are and how they give moral guidance to Buddhists today</p> <p>Consider how the story of Kisa Gautami impacts Buddhists today</p>	
Food Technology	<p>Pupils will be learning about the food and nutrition skills needed for life. They will practice their essential food preparation and cooking skills by developing and making dishes that involve more complex techniques.</p>	<p>Encourage your child to cook at home and practise the techniques learned in lessons including washing and drying up.</p> <p>Support their practical work by getting them bring in the ingredients that they will need to cook and develop their dishes.</p>
Resistant Materials Technology	<p>Pupils will be extending and applying previous skills and knowledge of hand tools and machines including the sander, jigsaw and pillar drill. They will be using PRIME and ACCESS FM to write an individual brief and specification. They will be learning about iterative processes to develop their drawing skills.</p>	<p>Collect and print images from online searches to help pupils develop their design ideas.</p> <p>Analyse products already on the market using ACCESS FM.</p> <p>Youtube ACCESS FM Framework Explained</p>
Art	<p>Pupils will be developing their poster art skull designs and make an individual clay candy skull tile.</p>	<p>Finding interesting textural objects to bring in for the sculptural activities to create patterning and texture on the clay skull.</p>
IT	<p>Pupils will be continuing to develop their understanding of python programming and using the correct terminology to help them identify the different parts of a program. They will also be developing and creating their own program using python.</p>	<p>The following website can help your child develop their skills in python programming: Learn Python. If you sign your child onto the courses, they start from the beginning to ensure they understand key terminology.</p>
Music	<p>Pupils will continue to study Electronic Dance music this term and work to complete their own dance music composition.</p>	<p>Pupils can access their learning from home, it would be great if they could share with you how they have created their composition</p>

		and what has influenced their choice of instruments.
PE	<p>Pupils will be learning about Volleyball, Basketball and Outdoor Adventurous Activity:</p> <ul style="list-style-type: none"> • What are the movements and skills? • What are basic court/pitch markings? • What are the rules to the game? • What strategies and ideas can be used to outwit opponents? • What is flight in gymnastics? • Pupils will learn to use maps and how to orienteer by using our brand-new orienteering resources. 	<p>Provide appropriate PE kit, for example: non slippy footwear for Basketball (trainers). Reinforce safe practice expectations – no jewellery and earrings must be taped up for PE lessons.</p> <p>Long hair must be tied up.</p> <p>Look up the rules to Volleyball - Volleyball scoring, rules and officials - Volleyball - factfile - GCSE Physical Education Revision - AQA - BBC Bitesize</p> <p>Look up the rules to Basketball - Basketball Simplified Rules - Download PDF The PE Hub</p>
PSHE	<p>This term Year 8 will be thinking about First aid and basic life support skills. This unit will cover Basic life support, CPR, Burns and scalds and choking. There will also be a lesson around Safety on Railways.</p>	<p>It would be good for your child to show you and share the facts they have learnt for each lesson.</p>