



St Thomas CE Academy Science EYFS to KS1 bridge

Science				
EYFS Curriculum		How this is achieved through our drivers		Science Key Stage 1
Three and Four-Year-Olds	Mathematics	<ul style="list-style-type: none"> • Understand 'why' questions, like: "Why do you think the caterpillar got so fat?" 	<ul style="list-style-type: none"> • Listening carefully and responding to 'why' questions when reading stories together. 	Year 1 <ul style="list-style-type: none"> - <i>Seasons</i> - <i>Everyday Materials</i> - <i>Animals including humans</i> - <i>Plants</i> - <i>Inventors</i> Year 2 <ul style="list-style-type: none"> - <i>Living things and their habitats</i> - <i>Animals including humans (exercise, food and hygiene)</i> - <i>Animal including humans (life cycles)</i> - <i>Uses of everyday materials</i> - <i>Plants</i> - <i>Inventors</i>
	Personal, Social and Emotional Development	<ul style="list-style-type: none"> • Make healthy choices about food, drink, activity and toothbrushing. 	<ul style="list-style-type: none"> • Discuss ways to keep ourselves healthy including exercise, sleep toothbrushing. • Learning when to wash our hands and how to do this properly. • Learn about a variety of healthy foods through snack time. 	
	Understanding the World	<ul style="list-style-type: none"> • Use all their senses in hands-on exploration of natural materials. • Explore collections of materials with similar and/or different properties. • Talk about what they see, using a wide vocabulary. • Begin to make sense of their own life-story and family's history. • Explore how things work. 	<ul style="list-style-type: none"> • Our life stories of growing up from a baby. • Family tree. • Creating transient art from using natural materials from nature walks. • Changes in materials – the change in porridge as it is cooked. • Explore how ice melts. • Explore how objects sink and float. • How to care for animals with hands on experience of caring for chicks. 	



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		<ul style="list-style-type: none"> • Plant seeds and care for growing plants. • Understand the key features of the life cycle of a plant and an animal. • Begin to understand the need to respect and care for the natural environment and all living things. • Explore and talk about different forces they can feel. • Talk about the differences between materials and changes they notice. 	<ul style="list-style-type: none"> • Planting beans and observing how they grow by giving it the key ingredients of soil, light and water. • Observe the life cycle of a bean plant. • Observe the life cycle of a butterfly and a frog. • Observe the effects of force on different materials. • Investigate how to make a strong chair for Goldilocks using different materials. • Investigate what materials would make a strong house for the Three Little Pigs. 	
<p>Reception</p>	<p>Communication and Language</p>	<ul style="list-style-type: none"> • Learn new vocabulary. • Ask questions to find out more and to check what has been said to them. • Articulate their ideas and thoughts in well-formed sentences. • Describe events in some detail. • Use talk to help work out problems and organise thinking and activities, and to explain how things work and why they might happen. • Use new vocabulary in different contexts. 	<ul style="list-style-type: none"> • Adults model the tiered vocabulary in the classroom areas in a variety of contexts. • Adults ask and answer questions out loud to model articulation and demonstrating understanding. • Adults to ask a range of open questions • Adults to build upon incidental talk using tiered vocabulary linked to play. 	



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	Personal, Social and Emotional Development		<ul style="list-style-type: none"> • Know and talk about the different factors that support their overall health and wellbeing: <ul style="list-style-type: none"> - regular physical activity - healthy eating - toothbrushing - sensible amounts of 'screen time' - having a good sleep routine - being a safe pedestrian 	<ul style="list-style-type: none"> • Learn and observe the effects that exercise has on the body. • Observe how different foods make us feel. • Share sleep routine and how we get ready for bed. • Visit from the school nurse to discuss toothbrushing. • Discussion of road safety when out on local walks. 	
	Understanding the World		<ul style="list-style-type: none"> • Explore the natural world around them. • Describe what they see, hear and feel while they are outside. • Recognise some environments that are different to the one in which they live. • Understand the effect of changing seasons on the natural world around them. 	<ul style="list-style-type: none"> • Explore the natural world through outdoor play and local area walk allowing children to use their senses. • Explore natural process through sensory experiences – ice melting, magnets, floating, sound vibrations. • Name and describe plants and animals that we may see outside. • Learn how animals behave differently in different seasons. • Observe the effect of the changing seasons through outdoor play and local area walks. 	
Early Learning Goal	Communication and Language	Listening, Attention and Understanding	<ul style="list-style-type: none"> • Make comments about what they have heard and ask questions to clarify their understanding. 	<ul style="list-style-type: none"> • Ask questions to check for understanding. • Through fiction and non fiction texts, use a range of questioning techniques to support pupils in clarifying their understanding. 	



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	Personal, Social and Emotional Development	Managin g Self	<ul style="list-style-type: none"> • Manage their own basic hygiene and personal needs, including dressing, going to the toilet and understanding the importance of healthy food choices. 	<ul style="list-style-type: none"> • Managing own needs when preparing for outdoor play. • Reinforcing hygiene before lunch and snack times. • Discussion around healthy food choices through cooking activities. 	
	Understanding the World	The Natural World	<ul style="list-style-type: none"> • Explore the natural world around them, making observations and drawing pictures of animals and plants. • Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class. • Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter. 	<ul style="list-style-type: none"> • Observe carefully to draw physical natural objects in the world around them. • Observe the life cycle of a sunflower plant. • Observe habitats of different animals • Explore which animals live on land and which live in water. • Explore the environments that different animals live and why. 	