



Seaton St Paul's C of E Junior School

Design & Technology Long Term Plan

	Autumn Term	Spring Term	Summer Term
Year 3	<u>A Healthy Lunch</u> <i>Pupils will create a couscous dish as part of a lunchtime meal.</i>	<u>Greenhouse</u> <i>Pupils will study greenhouses' purpose, structures, materials and design features. Pupils will learn about two famous greenhouse designers before they design and make their own mini greenhouse.</i>	<u>Making it Move</u> <i>Pupils will be introduced to the cam mechanism and its parts. Pupils will learn about automata. Pupils will use this knowledge to create an automaton toy and evaluate their toy.</i>
Year 4	<u>Functional and Fancy Fabrics</u> <i>Pupils will explore how fabric products are used in the home and examine the relationship between functionality and decoration. Pupils will create printed fabrics and practise sewing a hem, embroidery and embellishments.</i>	<u>Drain Your Drinks</u> <i>Pupils will design a delicious smoothie using fruit and vegetables. They will then create the smoothie, taste it and evaluate it.</i>	<u>Tomb Builders</u> <i>Pupils will study simple machines, including pulleys, levers, wheels and axles, wedges, inclined planes and screws. Pupils will use their knowledge to build a compound machine that may have been useful in the past.</i>
Year 5	<u>Moving Mechanisms</u> <i>Pupils will learn about pneumatic systems. Pupils will use their knowledge to plan, design and make a machine prototype featuring a pneumatic system.</i>	<u>Snack Attack</u> <i>Pupils will create a vegetable platter and dips. Pupils will focus on healthy eating, practise food preparation skills and taste a variety of vegetables. Pupils will discuss and evaluate their favourite snacks and report back on their findings.</i>	<u>Architecture</u> <i>Pupils will learn about architectural styles and technology. Pupils will use previous knowledge to build an impressive and functional model of a building.</i>
Year 6	<u>Engineer</u> <i>Pupils will learn about the role of an engineer and discover some remarkable structure in history. Pupils will complete a bridge-building engineering challenge to create a bridge prototype.</i>	<u>Eatwell</u> <i>Pupils will research the origins of popular takeaway dishes and discuss whether fast food can be healthy. Pupils will research, design and make a healthy pizza and side dish. They will evaluate their product.</i>	<u>Make Do and Mend</u> <i>Pupils will learn about the Second World War campaign, Make Do and Mend, and how it influenced everyday life, fashion and the war effort. Pupils will complete a sewing challenge to create something new from recycled fabrics.</i>

