

	The Vineyard D&T Curriculum Overview Years Reception to 6		
	<u>Autumn</u>	<u>Spring</u>	<u>Summer</u>
<u>EYFS</u>	Learn to safely use and explore a variety of materials, tools and techniques experimenting with design, texture, form and function. On a daily basis, junk modelling is available to provide the opportunity to learn cutting and joining skills, being creative with materials and evaluating and improving their models. Some examples of adult led crafts include: Christmas crafts, dragon puppets, carnival headdress, salt dough Easter eggs, cape making, salt dough dinosaur fossils and paper mache volcano.		
<u>Year 1</u>	<u>Eat more Fruits and Vegetables</u> Children are introduced to the importance of eating fruits and vegetables and taught how to make a healthy fruit salad.	<u>Moving Minibeasts</u> Children are introduced to making sliding mechanisms. They explore different mechanisms including levers, pivots and wheels.	<u>Stable Structures</u> Children are given the opportunity to explore the features of stable structures, then design and plan their own stable structure using a range of materials.
<u>Year 2</u>	<u>Perfect Pizzas</u> Children are given the opportunity to examine and describe both different bases and toppings, then design and make their own pizzas.	<u>Vehicles</u> Children are given the opportunity to investigate different vehicles to gather information about wheels and axles to design and make their own vehicles.	<u>Puppets</u> Children are given the opportunity to investigate a range of puppets and features, select the correct fabric and practise their sewing skills to design and make a glove puppet.
<u>Year 3</u>	<u>British Inventions</u> Children explore different inventions including how the telephone carries sound, how the internet works and the invention of the mackintosh.	<u>Story Books</u> Building on from Year 1, children experiment with techniques to create a range of moving mechanisms including levers and linkage systems to create their own story book.	<u>Healthy Sandwiches</u> Children explore different types of food: bitter, sweet and savoury. Enjoy learning how to make their own bread, then design, taste and evaluate their healthy sandwich.
<u>Year 4</u>	<u>Mini Greenhouses</u> Building on from Year 1, children explore existing greenhouses investigating the materials needed to make a stable greenhouse. Then use the information to design, make and evaluate their own greenhouses.	<u>Seasonal Food</u> Building from Year 1 and Year 3, children continue to learn about the importance of eating fruits and vegetables, thinking about the benefits of seasonal food and introducing meat as part of the healthy diet.	<u>Box Lights</u> Children investigate different types of illuminated signs. Plan and create a 3-D shape for their light box design, experiment with different materials, then make and evaluate their box light.
<u>Year 5</u>	<u>Bridges</u> Children explored how pillars and beams are used to span gaps; investigate ways in which trestles can be used to strengthen bridges and understand how suspension bridges are able to span long distances.	<u>Chinese Inventions</u> Investigating different Chinese inventions, including different designs of water wheels. The children use this information to design, make and evaluate their own water wheel.	<u>Drawstring Bag</u> Building on from Year 2, children learn a variety of stitches such as: whip stitch, backstitch, zigzag stitch and hem stitch. They design, make and evaluate a drawstring bag.
<u>Year 6</u>	<u>Bird Houses</u> Children investigate and evaluate existing bird houses then use previous skills gathered in years 1, 4 and 5 to design and make a stable structure for their bird house.	<u>Burgers</u> Children explore the nutritional facts of different types of burgers, sauces and toppings. Then use this knowledge to design, make, taste and evaluate their burger.	<u>Programming pioneers</u> The children will plan, design and make physical and digital prototypes of a room with an embedded computer system. The children would be introduced to some aspects of 'scratch'.