

The Vineyard D&T Curriculum Overview			
Years Reception to 6			
	<u>Autumn</u>	<u>Spring</u>	<u>Summer</u>
<u>EYFS</u>	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 children with 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 volcanoes.		
<u>Year 1</u>	<p style="text-align: center;"><u>Eat more Fruits and Vegetables - making a fruit salad</u></p> <p>Children are introduced to the importance of eating fruits and vegetables, the basic principles of a healthy diet and how to prepare food safely, while making a healthy fruit salad.</p>	<p style="text-align: center;"><u>Moving mechanism - Minibeasts</u></p> <p>Children are introduced to making sliding mechanisms. They explore, design and create 3 different mechanisms: sliding, pivot and wheel.</p>	<p style="text-align: center;"><u>Stable Structures - a toy garage</u></p> <p>Children explore the features of stable structures. Design and make their own garage using a range of materials and develop their joining skills to make a stable structure.</p>
<u>Year 2</u>	<p style="text-align: center;"><u>Perfect Pizzas</u></p> <p>Children are introduced to a wider understanding of principles of a healthy balanced diet, introducing proteins and carbohydrates. They are given the opportunity to examine and describe different bases and toppings and design and make their own pizzas.</p>	<p style="text-align: center;"><u>Textiles -Sewing Finger Puppets</u></p> <p>Children are introduced to basic sewing skills; learning to thread a needle, tie a knot and use a running or over stitch to join pieces of fabric together. They are given the opportunity to investigate a range of puppets looking at their features, to design and make their own finger puppet.</p>	<p style="text-align: center;"><u>Wacky Windmills</u></p> <p>Children build on their designing and joining skills to create a base and moving blades to make a windmill. They will test the different designs to assess which windmill is most effective and why?</p>
<u>Year 3</u>	<p style="text-align: center;"><u>Textiles -Sewing Stone Age hessian bags</u></p> <p>Children secure their knowledge of sewing skills; threading a needle, making a knot, using neat and evenly spaced running or over stitch to join 2 parts of material together. Introduce the cross stitch and make handles for their bag.</p>	<p style="text-align: center;"><u>Moving mechanisms - create a storybook page with a moving mechanism and different graphic designs.</u></p> <p>Children build on their designing and joining skills to make a storybook page with a moving mechanism. To identify and experiment with a range of different fonts and graphic techniques.</p>	<p style="text-align: center;"><u>Healthy Sandwiches</u></p> <p>Children explore different types of food, developing their understanding of how a healthy diet affects their body and expanding their cooking skills. They learn how to make their bread and design, taste and evaluate their healthy sandwich.</p>
<u>Year 4</u>	<p style="text-align: center;"><u>Healthy seasonal pasta salad - Christmas themed</u></p> <p>Building on from Year 1 and Year 3, children continue to understand how to prepare and cook a variety of dishes safely and hygienically, thinking about the benefits of seasonal food as part of the healthy diet.</p>	<p style="text-align: center;"><u>Mini Greenhouses</u></p> <p>Children explore existing greenhouses, investigating what a plant needs to grow, so they can create a design with the appropriate materials to make a stable greenhouse.</p>	<p style="text-align: center;"><u>Lightboxes</u></p> <p>Children investigate different types of illuminated signs, to plan and create a 3-D shape for their light box design, which includes a series circuit with one or more lights and a Scratch program which turns an LED on and off.</p>
<u>Year 5</u>	<p style="text-align: center;"><u>Bridges</u></p> <p>Children explore how pillars and beams are used to span gaps; investigate ways in which trestles can be used to strengthen bridges and how suspension bridges are able to span long distances.</p>	<p style="text-align: center;"><u>Textiles - Sewing pencil or phone cases</u></p> <p>Children secure their knowledge of basic sewing skills and learn how to measure and cut the correct shapes to make their pencil or phone case. Introduce the blanket stitch and secure their knowledge of the cross stitch.</p>	<p style="text-align: center;"><u>Seasonal food - curry</u></p> <p>Children understand how to use different food combinations to create complementary flavours while learning about one of the different types of food cultures - curry.</p>
<u>Year 6</u>	<p style="text-align: center;"><u>Burgers * may change according to Ramadan dates</u></p> <p>Children explore the nutritional facts of different types of burgers, sauces and toppings to gather information from labels and packaging to make an informed choice.</p>	<p style="text-align: center;"><u>Bird Houses</u></p> <p>Children investigate and evaluate existing bird houses and use previous skills gathered to make a more complex stable structure.</p>	<p style="text-align: center;"><u>Circuits - Fairgrounds Rides</u></p> <p>Children can combine their knowledge and skills of stable structures with their knowledge of electrical systems in their products to make a fairground ride.</p>