



Cupernham Infant School – DT Overview



	Year R	Year 1	Year 2
Autumn 1	<p>The Cupernham Way- All About Me</p> <p>In this topic our key skills will be junk modelling. We will be exploring and experimenting with a range of media including exploring material's in 2d and 3d structures and building houses and homes.</p>		
Autumn 2	<p>Celebrations</p> <p>In this topic we will be designing and baking Christmas treats whilst using tools for a purpose !</p>	<p>Structures of a park</p> <p>In this Design and Technology topic we will be thinking carefully about how to generate, develop and communicate our ideas on how to build a structure of a park using talking, drawing, templates and mock ups. We will then build structures with the key purpose of figuring out how to make it stronger, stiffer and more stable.</p>	<p>Textiles: Traditional Tale Puppets</p> <p>We will begin by looking at existing products (hand puppets) and discussing different joining techniques. We will evaluate which joining techniques are best when working with textiles. We will look at a design criteria and design a mock-up of our own puppet using this criteria. We will make our puppets and then evaluate them</p>
Spring 1	<p>Terrific Travel</p> <p>In this topic we will be designing and creating different forms of transport using junk modelling. We will be using various construction materials, e.g. joining pieces, stacking vertically and horizontally, balancing, making enclosures and creating spaces whilst using tools for a purpose. We will be expressing our ideas at 'JUNK FEST' where parents will be invited in to help us with our construction.</p>		
Spring 2	<p>Here and There</p> <p>In this topic we will be designing and creating our own sandwich, using a range of tools for a purpose, for our picnic at the beach.</p>	<p>Super Smoothies</p> <p>In this DT topic we will be learning about different fruit focusing on their flavours by identifying which flavours compliment each other. We learn how to use tools safely (sharp knives) and will use all these skills and techniques to design, make and evaluate our own smoothie.</p>	<p>Healthy Pitta Pizza</p> <p>In this DT topic we will be learning about different fruit and vegetables. We will be classifying them by looking if they have seeds. Then we will identify which flavours compliment each other and how to make food look appealing. We will use all these skills and techniques to design, make and evaluate our own healthy pitta pizza.</p>
Summer 1	<p>Down in the Farm</p> <p>In this topic we will be exploring a range of 2D and 3D structures and materials whilst learning about The Three Little Pigs and safely use and explore a variety of materials, tools and techniques.</p>		
Summer 2	<p>Glorious Gardens</p> <p>Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function and Share their creations, explaining the process they have used.</p>	<p>Moving pictures</p> <p>In this DT topic, children will have the opportunity to develop their understanding of mechanisms. Following instructions on how to make different types of mechanisms, such as levers, wheels and sliders, they will be able to draw on this information to draw and develop their own ideas to create a moving picture. They will sketch a design based on their ideas and then create their moving picture centred on the story of 'The Koala Who Could'.</p>	<p>Jungle Buggies</p> <p>In this DT topic, children will draw on their Year 1 knowledge of what a mechanism is. They will then explore wheels and axels and how they work. They will use this knowledge to design, make and evaluate their own 'jungle buggy'.</p>