



# Read St John's CE Design and Technology Topic Map

	Autumn	Spring	Summer
<b>EYFS</b>	Control and safe use of basic tools: pencils, scissors etc. Folding and manipulating.	Food. Healthy eating. Designing a healthy meal. Draw and label plans.	Modelling. Attaching using glue, tape, split pins, string etc. Evaluating results.
<b>Year 1</b>	Mechanisms – pop ups and simple card levers. Christmas cards.	Food- preparing and combining foods. Fruit salad.	Structures- stability and strength. Robots.
<b>Year 2</b>	Food – The eatwell plate, where food comes from, principles of a healthy diet. A healthy salad design.	Mechanisms _ Wheels and axles. Making vehicles.	Textiles – using a template, simple joining, choice of stitches, choice of materials. Making puppets.
<b>Year 3</b>	Structures – shell/frame. Structures and strengthening	Food – simple dish. The eatwell plate.	Mechanical systems – levers and linkages.
<b>Year 4</b>	ICT and electrical systems- control and electrical components.	Textiles – seams, stiffening and strengthening, materials and fastenings.	Food – simple savoury food and cooking techniques.
<b>Year 5</b>	Food – food from WW2. Available ingredients and cake designing and making.	Mechanical systems – cams pulleys and gears.	3D textiles – using gussets, using patterns, joining with seam allowance, combining fabrics.
<b>Year 6</b>	Food, design and healthy meals research and planning. Continued in Autumn 2.	Food- chefs, food heroes, designing a healthy menu/eatwell plate.	Combining learning from across design and technology skills bases – structures, mechanical systems, electrical systems, ICT programming and control.