

Design and Technology Curriculum Map

	Autumn Term	Spring Term	Summer Term
EYFS Objectives worked towards through play throughout the year	Use one-handed tools and equipment. Explore different materials freely, in order to develop their ideas about how to use them and what to make. Develop their own ideas and then decide which materials to use to express them. Join different material and explore different textures. Explore colour and colour-mixing. Return to and build on their previous learning, refining ideas and developing their ability to represent them. Create collaboratively sharing resources, ideas and skills. Use talk to help to work out problems and organise thinking. Explain how things work and why they might happen.		
Year 1	Preparing fruit and vegetables Fruit platter In this unit, children will examine a range of fruit and vegetables.	Mechanisms : Aeroplane In this unit, children will focus on sliders and levers.	Textiles: Bag/coin purse In this unit, the children will focus on templates and joining techniques.
Year 2	Structures : Build a model village This unit will teach children how to design and build a house for the model village in Saltaire.	Mechanisms: Aeroplane In this unit, children will focus on wheels and axles.	Preparing fruit and vegetables: Fruit jelly In this unit, children will develop on skills taught in Year 1 in order to create a fruit jelly which will be stocked in Morrison's.
Year 3	Healthy and varied diet: Savoury biscuits to build Stone Henge In this unit, children will learn skills in order to create savoury biscuits. These will then be used to build Stone-Henge.	Mechanisms: Roman horse and cart In this unit, children will build on their knowledge for year 2 on wheels and axles.	Textiles: Large tapestry piece In this unit, children will have the opportunity to create a tapestry piece of art work from a 2D shape.
Year 4	Structures: Build your own planter: Miracle of growth In this unit, the children will build on their previous unit of free standing structures by focusing on planters.	Textiles: Embossing in Metal In this unit, children will need a high level of skill and accuracy to produce a technical, accurate and intricate design. different themes, but in particular art through the movement of tin punch art.	Electrical systems Secondary lessons LED torch and first principals of circuits In this unit, the children will explore electricity by focusing on more complex switches and circuits to design and make an alarm for a prison.
Year 5	Structures: Anglo Saxon harp In this unit, the children will develop on prior structure units by focusing on frame structures to create a harp.	Mechanical systems: Greek trebuchet Secondary lessons In this unit, children will be introduced to different types of levers and types of movement.	Electrical systems: Prison alarm In this unit, the children will develop on prior electrical units by focusing on more complex switches and circuits to design and make an alarm for a prison.

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Year 6	Secondary CJ Mechanical Automata secondary lesson Children will make a Mechanical toy for the children in WW1, This involves making a wooden frame and using a cam.	Textiles: Tapestry In this unit, children will need a high level of skill and accuracy to produce a technical, accurate and intricate design.	Textiles: Resin jewellery Children will research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at individuals or groups.
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Cooking and Nutrition					
Year 1 D&T	Year 2 D&T	Year 3 D&T	Year 4 Science	Year 5 RE	Year 6 RE
Preparing fruit and vegetables Fruit kebab and dip Children will examine a range of fruit and vegetables.	Preparing fruit and vegetables Fruit jelly Children will develop on skills taught in Year 1 in order to create a fruit jelly.	Healthy and varied diet Savoury biscuits Children will build on knowledge learned in KS1 including preparing ingredients safely and hygienically and using equipment and utensils to prepare and combine ingredients.	Healthy and varied diet Savoury wraps Children will generate ideas through discussion to develop a design criteria including appearance, taste, texture and aroma or an appealing product.	Celebrating culture and seasonality Crepes Children will build on knowledge and skills learned in LKS2 including their understanding about food hygiene, nutrition, healthy eating and a varied diet.	Celebrating culture and seasonality Biscuits Ideas will be communicated through the use of words and annotated sketches.