

# Design and Technology Long Term Plan

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception	Exploring and experimenting through continuous provision. Children will be asked to complete a series of tasks that will develop their fine motor skills in preparation for Y1.					
Y1	ART	<b>Mechanisms: Sliders and levers</b> Moving toys (Link to Robert Sabuda)	ART	<b>Food: Preparing Fruit and vegetables</b> Fruit salad.	ART	<b>Structures: Freestanding structures.</b> Pop-up book (Link to Brunel)
Y2	ART	<b>Food: Balanced diet.</b> Balanced and healthy salad.	<b>Mechanisms: Wheels and axles.</b> Snow vehicles. (Link to Henry Ford)	ART	<b>Textiles: Techniques</b> Children will be practising running and cross stitching. (Link to cotton manufacturing)	ART
Y3	ART	<b>Food: Diets around the world</b> America vs England (pies)	ART	<b>Mechanical systems: Levers and linkages</b> Egyptian pyramid (Link to Archimedes)	ART	<b>Textiles: From 2D shape to 3D products</b> Reusable pouch (Link to M&R Steiff)
Y4	<b>Structures: Frame structure</b> Celtic Roundhouse	ART	<b>Electrical systems: Simple circuits.</b> Torches (Link to Thomas Edison and David Misell)	<b>Food: Mise en place</b> Stuffed peppers (Link to Jamie Oliver)	ART	ART
Y5	<b>Food: Nutritional value of food.</b> Energy bars (Link to Mary Berry)	ART	<b>Textiles: Combining different fabric shapes</b> Carnival masks representing amazon animals. (Link to felt manufacturing)	ART	<b>Mechanical systems: Pulleys and gears.</b> Crime and punishment device. (Link to Ismail Al-Jazari)	ART
Y6	ART	<b>Food: Celebrating culture and seasonality.</b> Russian Meal	ART	<b>Electrical systems: programming, control and monitoring.</b> Electronic toy money box. (Link to Edward Holmes)	<b>Structures: Shell structures</b> Anderson shelter (Link to W. Paterson and OC Kerrison)	ART