

2 year cycle Curriculum Long Term Plan Design and Technology

Whole school for each year group

Subjects	Food	Mechanical systems	Structures	Textiles	Electrical systems
CYCLES					
Early Years links to D & T skills	Physical development	Expressive art and design	ELG Fine motor skills	ELG creating with materials	
	- Progress towards a more fluent style of moving with developing control and grace - Develop their small motor skills so that they can use a range of tools competently, safely and confidently - Use core muscle strength to achieve good posture when sitting at a table or sitting on the floor	-Explore and use and refine a variety of artistic effects to express their ideas and feelings -Return to build on their previous learning, refining ideas and developing ability to represent them -Create collaboratively, sharing ideas, resources and skills	Use a range of small tools, including scissors, paintbrushes and cutlery	-Safely use and explore a variety of materials, tools and techniques experimenting with colour, design, texture, form and function -Share their creations, explaining the process they have used	
1 A Child A Year 1	Preparing Food – Fruit and Vegetable Kebabs Projects on a Page	Mechanisms 1/2 Sliders and Levers Topic Linked			
1 B Child B Year 1		Sliders and Levers Stand Alone Projects on a Page	Structures 1/2 Freestanding Structure Shade and Shelter Projects on a Page	Mechanisms Wheels and Axles 1/2 London Taxi – Topic linked	
2 A Child A Year 3 Child B Year 2	Food 1/2 Preparing Food Design & make biscuits	Mechanisms 1/2 Wheels and Axles Projects on a Page	Designing packaging – link to Maths 3D shapes		
2 B Child A Year 2 Child B Year 3			Structures 3/4 – Shell Structures modelling using CAD	Textiles- 1/2 templates and joining – Topic linked Minibeast hand puppets	Designing a Magnet Board Game.
3 A Child A Year 5 Child B Year 4	Food 3/4 - Healthy and varied diet Projects on a Page	Mechanisms 3/4 Levers & Linkages Designing a drawbridge			Electrical systems 3/4 – simple circuit and switches Light up pictures
3 B Child A Year 4 Child B Year 5		Levers and Linkages Blast into Space pictures Projects on a Page	Frame Structures 5/6 Designing a Pyramid	Textiles 3/4 2D & 3D shape PSHE Link Patchwork quilt	
4 A Child A/B Year 6	Food 5/6 - Celebrating Cultures and Seasonality Prepare a meal	Mechanical Systems – Pulleys or Gears. CAD Fairground attraction		Textiles 5/6 Combining different fabric shapes Art Link – Textile image Topic related	Electrical Systems 5/6 - more complex switches and circuits Projects on a Page