










Millbrook Primary School Design & Technology Long Term Plan

	Term 2	Term 4	Term 6
Reception	Structures 	Food and Nutrition 	Textiles 
Year 1	Structures 	Mechanisms 	Textiles 
Year 2	Food and nutrition 	Structures 	Mechanisms 
Year 3	Textiles 	Food and Nutrition 	Mechanisms 
Year 4	Structures 	Electrical Circuits 	Mechanisms 
Year 5	Multi-aspect project 	Mechanisms 	Food and Nutrition 
Year 6	Textiles 	Mechanisms 	Multi-aspect project 



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	Autumn	Spring	Summer
Reception	Aspect: Structures Focus: Affixing materials together Outcome: Make an instrument to perform with	Aspect: Food and Nutrition Focus: Using a range of tools competently, safely and confidently Outcome: Make a fruit salad for our grown-ups	Aspect: Textiles Focus: Selecting appropriate materials to create an animal effect Outcome: Making a mask for a performance
Year 1	Aspect: Structures Focus: Freestanding structures Outcome: Design a castle for the purpose of providing a home for a King or Queen.	Aspect: Mechanism Focus: Sliders and simple levers Outcome: Make a moving picture to inform Reception children of what Bear's Hat looks like from <i>I Want My Hat Back</i> .	Aspect: Textiles Focus: Templates and joining techniques Outcome: Make a sock puppet for Archie the Dog from <i>The Secret of Black Rock</i>
Year 2	Aspect: Food and nutrition Focus: Preparing fruit and vegetables Outcome: Make a healthy snack.	Aspect: Structures Focus: Shell structures Outcome: Make a home - rebuilding of London after the fire.	Aspect: Mechanisms Focus: Moving parts Outcome: Model of their own invention.
Year 3	Aspect: Textiles Focus: 2D shape to 3D product Outcome: Design and make clothing for the purpose of clothing someone who lived in the Iron Age.	Aspect: Food and nutrition Focus: Healthy and varied diet Outcome: Create a bread-based food product for our Spanish fiesta	Aspect: Mechanisms Focus: Levers and Linkages Outcome: Moving picture book linked to topic, for the purpose of educating another year group about volcanoes.
Year 4	Aspect: Structures Focus: Attaching, fixing and joints Outcome: Make a cardboard marble maze, linked to our English unit on <i>Marcie and the Riddle of the Sphynx</i> .	Aspect: Electrical Circuits Focus: Simple circuits and switches Outcome: Design and make a light-up clown face using electrical circuits as a Christmas gift (linked to Science circuits unit)	Aspect: Mechanisms Focus: Levers Outcome: Design and make a grabbing mechanism for the purpose of keeping the oceans clean.
Year 5	Aspect: Multi-aspect project Focus: Frame structures, axles and wheels and simple electronic systems Outcome: Design and make moving moon buggies	Aspect: Mechanisms Focus: Cams Outcome: Design and make an automota to inspire children to read.	Aspect: Food and nutrition Focus: Preparing and cooking vegetables Outcome: Create an affordable soup to take home to help tackle the rising cost of living
Year 6	Aspect: Textiles Focus: Combining different fabric shapes Outcome: Make a cuddly toy as a Christmas ornament.	Aspect: Mechanisms Focus: Gears and Pulleys Outcome: Make a mechanism to transfer food from the farm floor to a truck.	Aspect: Multi-aspect project Focus: Attaching materials; electricity Outcome: Create a safe with an intruder alarm