DT CURRICULUM MAP

CLASS	AUTUMN TERM		SPRING TERM		SUMMER TERM	
N	Use a variety of construction materials.	Make Christmas cards and decorations for friends and family using a range of media.	Use books and photos to stimulate lanterns, Chinese writing, puppet making,	Make Mother's Day crafts Easter crafts. Create closed shapes with continuous lines and begin to use these shapes to represent objects.	To use puppets and props to act out different traditional tales.	To construct with bricks and blocks to make an enclosure
R	Use resources available for props; build models using construction equipment.	Use different textures and materials to make houses for the three little pigs and bridges for the Three Billy Goats	Rousseau's Tiger / animal prints / Designing homes for hibernating animals. Children will be encouraged to select the tools and techniques they need to assemble materials that they need	Make different textures; make patterns using different colours Children will explore ways to protect the growing of plants by designing scarecrows.	Design and make rockets. Design and make objects they may need in space, thinking about form and function.	Lighthouse designs
Y1	Levers and Linkages **Sliding Christmas cards** *(Unit 1.5 and 1.6)* Diversity link – Christmas around the world		Structures **Chair for a soft toy** *(Unit 1.2 and 1.3)* Aspiration link - The Japanese designer, Noboru Nakamura - IKEA		Food **Portable snacks** *(Unit 1.8)* Link to healthy eating	
Y2	Structures **Making a bridge** *(Unit 1.4)* Aspiration link - Emily Warren, first female field engineer and budling supervisor of the Brooklyn Bridge.		Wheels and axles **Moon buggy – wind powered car** *(Unit 1.7)*		Food **Couscous** *(Unit 1.9)* Diversity and culture ink – origins of couscous	
Y3	Levers and linkages **Making a safety barrier** *(Unit 2.4)*		Structures **Building a truss bridge** *(Unit 2.6)* Culture and diversity link – truss bridges around the world (Asia)		Food **Vegetable soup** *(Unit 2.8)* Link to healthy eating	
Y4	Electricity **Paper circuits to make a celebration card** *(Unit 2.3)* Text - Cool Circuits and Wicked Wires: Special, Sparky Experiments (Next Steps in STEM): 1		Structures **CAD chair** *(Unit 2.7)* Aspiration – studying the life journey of the founder of CAD - Douglas Ross.		Food **Dips** *(Unit 2.9)* Link to healthy eating	
Y5	Electricity **Motorised car using electric motors, axles, pulleys and gears** *(Unit 3.3)*		Arch structures **Building a roof with an arch structure** *(Unit 3.4)* Culture and diversity link – arch structures around the world - https://jtcroofing.co.uk/news/famous-roofs-around-world/		Food **Food throughout the year** (culture) – 1 day *(Unit 3.8)* Link to healthy eating **Bread** *(Unit 3.9)*	
Y6	Structures **Tetrahedral kites** *(Unit 3.5)* Aspiration link - studying the life of Moona Whyte – kite surfer.		Cams **Automatic toy boards** *(Unit 3.7)* Text - Spy Toys by Mark Powers *(addressing gender stereotypes)*		Food **Food throughout the year** (culture) – 1 day *(Unit 3.8)* Link to healthy eating **Bolognese** *(Unit 3.10)*	

KEY:

Structures – frame, solid, shell, arch, could be wood, straws, lolly sticks etc…

Mechanisms – slider, lever, wheel and axle, linked lever, pulleys, gears and cams

Food – food preparation, sources of food, seasonal foods, safety and hygiene, health

Electrical systems – paper circuits, electronic motors