DT at The Mead Primary School

Year group	T1	T2	T3	T4	T5	T6
Nursery	Select and explore a variety of art materials in their self-led play e.g. scissors, paint, mark making resources, glue etc Explore different materials and tools		Attempt to cut using scissors Explore different materials freely, to develop their ideas about how to use them and what to make		Hold scissors correctly Use a comfortable grip with good control when holding simple tools such as staplers and hole punchers Join different materials and explore different textures	
YR	Use tools to effect changes to materials Use a variety of tools and brushes of different sizes e.g. paint and sponge brushes, twigs, glue sticks Cut shapes using scissors and other modelling tools Build a construction / sculpture using a variety of resources		Handle tools, objects, construction and malleable materials with increasing control Begin to join materials with a variety of key resources, hole punching, using split pins and treasury tags and tape Design and build a construction / sculpture using an increasing variety of objects e.g. recycled, natural and manmade materials. Deconstructive roleplay making materials to support DT learning Look and talk about what they produce		Use scissors and tools confidently for a variety of purposes Create with intention and share and discuss their processes and evaluate their work	
Y1			**Textiles - Templates and joining** *Making puppets (Dinosaurs linked to reptiles and Mary Anning, or of birds)*		**Food - Preparing fruit and vegetables**	**Mechanisms - Sliders and levers**
Y2	**Mechanisms - Wheels and axles** *To design, make and evaluate a carnival float*		**Structures - Freestanding structures** *Linked to The Great Fire of London*		**Food - Preparing fruit and vegetables** *To make a healthy yoghurt*	
Y3	**Structures - Shell structures** *Special keepsake box for an artefact which has been shared with children*		**Food - Healthy and varied diet** *Design, make and evaluate a pitta pocket (make pitta dough)*		**Mechanisms - Levers and linkages** *Firework safety poster using card, levers and linkages*	
Y4	**Food - Celebrating culture and seasonality** *Pizza (including making dough)*		**Textiles - 2D shape to 3D product**		**Electrical systems - circuits and switches**	

		Article of clothing for a cuddly toy (linked to Edward Tulane)	*Design and create a game with electrical circuits (link to Ancient Egypt)*
Y5	**Mechanical systems - Pulleys or gears** *Create a model of a moving vehicle using pulleys for an alien who has come down from space but cannot travel around in his UFO on ground*	**Food - Celebrating season and culture** *Adapt and make a seasonal recipe (not bread)*	**Structures - Frame structures** *Design and create a trap for a Greek mythical creature*
Y6	**Mechanical systems - pneumatics** *Design, make and evaluate a toy for a younger friend as a Christmas present*	**Food technology** – *design, make and evaluate savoury dish using common ingredients found in WWII*	**Textiles - Combining different fabric shape** *Design, make and evaluate one of a choice of bags / carriers for a friend using repurposed and recycled materials and old clothes*