

Design & Technology Long Term Sequence @ SML

Working as a Designer

Design The art or process of deciding how something will look or work.	Make Create something by combining materials or putting parts together.	Evaluate Form an opinion of the value or quality of something after careful thought.	Apply Use something or make something work in a particular situation.
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EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
EAD – Creating with materials Range of materials Tools & fixings Sharing and evaluating creations; discussing processes	Mechanisms Moving pictures Using levers, sliders & wheels to design and make a class book.	Mechanisms Wheels & axles Are bigger wheels always better?	Mechanisms Mechanical display Using levers, sliders and more complex linkages to design and make a Science Museum poster.	Systems Electrical circuits How useful are switches? Making products using switches.	Mechanisms Cam-driven toys Using cams and nets to design and make a space-themed toy.	Systems Electrical circuits perform more than one function? Combining switches with electrical components in different ways
	Structures Towers How can you stop a tower from toppling over?	Structures Bridges Using tabs and triangles to design and make a bridge for the 3 Billy Goats Gruff.	Systems Exploring LEGO coding to create computer controlled systems	Structures Shelters Using joining straws and wood to design and make emergency shelters.	Systems Exploring BBC Microbit to create computer controlled systems	Structures Bridges Using construction kits, wood, saws and glue guns to design and make bridges for a competition.
	Textiles Bookmark Using a running stitch to design and make an animal bookmark.	Food Smoothies Learning about how food grows and how tastes combine to make a healthy smoothie.	Textiles Monster keyring Using backstitch and overcast stitch to design and make a rucksack keyring.	Food Tacos Using knives safely to make salsa and taco fillings for a Mexican buffet.	Textiles Carrier belt Using blanket stitch to design and make a carrier belt.	Food Curry Using a range of chopping skills to design and make a range of curries for a party.