

Design and Technology Unit Overviews Crumpsall Lane

Year	Unit	Research	Teach	Design	Make	Evaluate
1	Cooking & Nutrition <i>Create a fruit dish</i>	Can I research existing fruit dishes to help consider the components needed?	Can I analyse how to cut, peel and grate safely with support?	Can I design a fruit dish by choosing a method and ingredient list?	Can I create a fruit dish?	Can I evaluate a finished product?
	Construction & Use of Materials <i>Create a house</i>	Can I research different types of houses and identify shapes and features?	Can I analyse how to join and combine shapes to make a house?	Can I design a house?	Can I create a house? Can I tinker when creating the features of a house?	Can I evaluate a finished product?
	Mechanisms <i>Create a moving picture</i>	Can I research the different ways that pictures move?	Can I analyse how levers and sliders work to create a moving mechanism?	Can I design a picture with a moving mechanism?	Can I create a moving picture?	Can I evaluate a finished product?

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2	Cooking & Nutrition <i>Create a hand-held Asian dessert</i>	Can I research existing Asian desserts? Can I analyse the benefits and downsides of existing Asian desserts?	Can I analyse safe techniques to cut, peel and grate with increasing confidence?	Can I design an Asian dessert? Can I tinker with my design to ensure that the success criteria achieved?	Can I create an Asian dessert?	Can I evaluate a finished product?
	Textiles <i>Create a puppet</i>	Can I research a range of puppets and analyse their features?	Can I compare and contrast the different techniques needed to create different types of puppets?	Can I design a puppet?	Can I create a puppet? Can I tinker with my puppet to ensure the success criteria is met?	Can I evaluate a finished product?

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3	Mechanisms <i>Create a moving toy</i>	Can I research existing moving toys? Can I analyse the benefits and downsides of existing moving toys?	Can I analyse how to join materials using rolling and folding to make a product stronger?	Can I design a moving toy?	Can I create a moving toy? Can I tinker to create a moving part?	Can I evaluate a finished product?
	Construction & Use of Materials <i>Create a photo frame</i>	Can I research existing free-standing structures and how they are made stable?	Can I analyse different ways of strengthening and joining paper and card?	Can I design a photograph frame for a particular purpose?	Can I create a stable photograph frame from a design? Can I tinker with different ways of making stable free-standing structures?	Can I evaluate a finished product?

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4	Cooking & Nutrition <i>Create an afternoon tea cake</i>	Can I research a selection of different Victorian cakes? Can I analyse the benefits and downsides of various Victorian cakes?	Can I analyse different techniques used in cooking? E.g. slicing, mixing, spreading, baking.	Can I communicate with my group to choose a recipe and method? Can I tinker with the original recipe to make it unique to our group?	Can I collaborate with my group to create a Victorian Afternoon Cake?	Can I evaluate a finished product?
	Textiles <i>Create a fabric money container</i>	Can I research a range of money containers and examine their features?	Can I analyse how to sew using a range of different stitches?	Can I design a money container?	Can I create a money container using textiles?	Can I evaluate a finished product?

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5	Cooking & Nutrition <i>Create a ration pack for a WW1 soldier</i>	Can I research the function, purpose and user of the high protein spread?	Can I analyse how to safely and hygienically prepare food using a heat source?	Can I design a high protein spread? Can I tinker with my design to ensure that the success criteria achieved?	Can I create a high protein spread?	Can I evaluate a finished product?
	Mechanisms <i>Create a moving vehicle</i>	Can I research a variety of vehicles and their uses and features?	Can I analyse how using cams, pulleys and gears can create movement?	Can I design a moving vehicle? Can I tinker with ways of making the vehicle move?	Can I create a moving vehicle based on a design?	Can I evaluate a finished product?

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6	Construction & Use of Materials <i>Create a bomb shelter</i>	Can I research the function, purpose and user of bomb shelters?	Can I analyse the benefits and downsides of Anderson shelters?	Can I collaborate with a group to create success criteria? Can I design a bomb shelter according to success criteria?	Can I create a bomb shelter?	Can I evaluate a finished product?
	Textiles <i>Create a cushion cover</i>	Can I research existing cushions with cushion covers?	Can I compare and contrast different ways to join fabric using sewing skills? (hidden or visible stitching) Can I analyse different ways to decorate fabric?	Can I design a cushion cover?	Can I create a cushion cover?	Can I evaluate a finished product?