

	Topic	Topic link	Subject Rationale
Year 5	Cooking and Nutrition Mini Cakes	Victorians	By Y5 children have identified, tasted and prepared a range of ingredients and healthy recipes, reflecting cultural diversity. They will build on this knowledge by researching and developing criteria to inform the design of dishes and menus that are fit for purpose, aimed at particular individuals or groups. They will select and use a range of ingredients according to their functional properties and aesthetic qualities.
	Mechanisms and Mechanical Systems Space themed toys	Space	Children will already be aware of different ways of creating systems to cause movement. In Y5 they will be introduced to using different types of cam mechanisms and think about the shapes they will produce. After investigating the effect of different types of cams, children will design and create a space themed toy for a younger child based on feedback from focus groups. They will evaluate their design taking into account feedback from their audience.
	Structures Building Bridges		This topic develops children's understanding of secure structures from Y3 and Y4. They learn about different types of bridges and also explore how the strength of structures can be affected by the shapes used. Children create their own bridge and test its durability. Children will use their knowledge in Y6 when designing and choosing materials for their bird box project.
	Textiles		