Design and Technology

	Autumn	Spring	Summer
Year 1	**Mechanisms** How can you make a picture move? **Structures** How can you stop a tower from toppling over?	**Nutrition** How does food affect your senses? **Understanding Materials** Can you build with bread?	**Textiles** How can two squares of fabric keep you warm? **Food & Nutrition** Why are vegetables the best?
Year 2	**Textiles** How can you repurpose an item of clothing? **Food & Nutrition** What does healthy mean?	**Mechanisms** Are bigger wheels always better? **Understanding Materials** How can you waterproof a hat?	**Food & Nutrition** How healthy is your food? **Structures** How strong is a piece of paper?
Year 3	**Textiles** How can you make a box out of clothing? **Food & Nutrition** What do we mean by a balanced diet?	**Mechanisms** How can you do a lot of work with little effort? **Food & Nutrition** How does food affect your body and mind?	**Systems** How are things powered? **Structures** What makes a bridge strong?
Year 4	**Food & Nutrition** What's really in your food? **Mechanisms** How many ways are there to open a door?	**Textiles** How do you keep a tea towel from slipping off a hook? **Structures** Which shapes will give a structure stability?	**Electrical Systems** How useful are switches? **Food & Nutrition** Is cheap food always worse for you?

Year 5	**Food & Nutrition** Why are our diets so different? **Systems** How can we keep ourselves safe on the road?	**Textiles** Which fabric is ideal for creating a functional and hardwearing lunch bag? **Food & Nutrition** What can you learn from different cultures' diets?	**Structures** How are frames strengthened, reinforced and made rigid? **Mechanisms** How can you lift a car onto a roof?
Year 6	**Food & Nutrition** Can street foods save us? **Mechanisms** How do pulleys and gears let you see the world?	**Food & Nutrition** Does food affect the way you feel? **Structures** How strong is a piece of spaghetti?	**Electrical Systems** Can switches perform more than one function? **Textiles** How can we reduce, recycle and repurpose?