
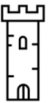
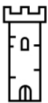



**CUSP DT Core Content:
Block E and Block F (Summer Term)**

Year	Block E	Block F
1	<p>Core discipline: Textiles</p> <p>Key concept: Joining techniques</p> <p>How can two squares of fabric keep you warm?</p> <p>CUSP link: Hot and cold places</p> 	<p>Core discipline: Food and Nutrition</p> <p>Key concept: Vitamins in food</p> <p>Why are vegetables the best?</p> 
2	<p>Core discipline: Food and Nutrition</p> <p>Key concept: Processed food</p> <p>How healthy is your food?</p> 	<p>Core discipline: Structures</p> <p>Key concept: Developing strength in structures</p> <p>How strong is a piece of paper?</p> 
3	<p>Core discipline: Systems</p> <p>Key concept: How things are powered</p> <p>How are things powered?</p> 	<p>Core discipline: Structures</p> <p>Key concept: Spanning gaps</p> <p>What makes a bridge strong?</p> 
4	<p>Core discipline: Electrical Systems</p> <p>Key concept: Switches and circuits revisited</p> <p>How useful are switches?</p> <p>CUSP link: Electricity</p> 	<p>Core discipline: Food and Nutrition</p> <p>Key concept: Benefits of fresh food</p> <p>Is cheap food always worse for you?</p> <p>CUSP link: Animals, including humans</p> 
5	<p>Core discipline: Structures</p> <p>Key concept: Developing structures that are fit for purpose</p> <p>How are frames strengthened, reinforced and made rigid?</p> 	<p>Core discipline: Mechanisms</p> <p>Key concept: Pulleys and gears - transferring rotational force</p> <p>How can you lift a car onto a roof?</p> <p>CUSP link: Forces</p> 
6	<p>Core discipline: Electrical Systems</p> <p>Key concept: Complex switches and circuits</p> <p>Can switches perform more than one function?</p> <p>CUSP link: Electricity</p> 	<p>Core discipline: Textiles</p> <p>Key concept: Sustainable materials</p> <p>How can you reduce, recycle, repurpose?</p> 