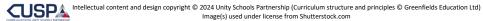
CUSP DT Core Content: Block A and Block B (Autumn Term)

Year	Block A	Block B
1	Core discipline: Mechanisms Key concept:	Core discipline: Structures Key concept:
	Sliders and levers How can you make a picture move?	Freestanding structures How can you stop a tower from toppling over?
2	Core discipline: Textiles	Core discipline: Food and Nutrition
	Key concept: Exploring shape using a template	Key concept: Nutrients and the body
	How can you repurpose an item of clothing?	What does healthy mean?
3	Core discipline: Textiles	Core discipline: Food and Nutrition
	Key concept:	Key concept: Individual diets
	Stiffening and strengthening fabric How can you make a box out of cloth?	What do we mean by a balanced diet?
4	Core discipline: Food and Nutrition	Core discipline: Mechanisms
	Key concept: Ultra-processed food	Key concept: Hinges
	What's really in your food?	How many ways are there to open a door?
5	Core discipline: Food and Nutrition	Core discipline: Systems
	Key concept: Food choices	Key concept: Using technology to design and control
	Why are our diets so different?	How can we keep ourselves safe on the road?
6	Core discipline: Food and Nutrition	Core discipline: Mechanisms
	Key concept: Multicultural influences on food Can street foods save us?	Key concept: Pulleys and gears - rotary and linear movement
	Can street 1000s save us?	How do pulleys and gears let you see the world?

CUSP DT Core Content: Block C and Block D (Spring Term)

Year	Block C	Block D
1	Core discipline: Food and Nutrition Key concept: Exploring food senses How does food affect your senses? CUSP link: Animals, including humans	Core discipline: Understanding Materials Key concept: Selecting materials Can you build with bread? CUSP link: Everyday materials
2	Core discipline: Mechanisms Key concept: Axles and wheels Are bigger wheels always better?	Core discipline: Understanding Materials Key concept: Manipulating materials How can you waterproof a hat? CUSP link: Uses of everyday materials
3	Core discipline: Mechanisms Key concept: Levers and linkages - mechanical advantage How can you do a lot of work with little effort? CUSP link: Forces and magnets	Core discipline: Food and Nutrition Key concept: Food as medicine How does food affect your body and mind? CUSP link: Animals, including humans
4	Core discipline: Textiles Key concept: Fixings and fastenings How do you keep a tea towel from slipping off a hook?	Core discipline: Structures Key concept: Designing structures using a frame to make them stronger and sturdier Which shapes will give a structure stability?
5	Core discipline: Textiles	Core discipline: Food and Nutrition
	Key concept: Durability of fabric Which fabric is ideal for creating a functional and hardwearing lunch bag?	Key concept: Cultural influences on diet What can you learn from different cultures' diets? CUSP link: World countries





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

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

