

DT Overview						
Cycle A 2024- 2025	Autumn		Spring		Summer	
	Autumn Units Core Disciplines	Core Concepts	Spring Units Core Disciplines	Core Concepts	Summer Units Core Disciplines	Core Concepts
Monkey	Mechanisms Structures	Sliders and levers How can you make a picture move?	Food and nutrition Understanding Materials	Exploring food senses How does food affect your senses?	Textiles Food and nutrition	Joining techniques How can two squares of fabric keep you warm?
		Freestanding structures How can you stop a tower from toppling over?		Selecting materials Can you build with bread? Manipulating materials How can you waterproof a hat?		Vitamins in food Why are vegetables the best?
Lemur	1. Textiles 2. Food and Nutrition	Stiffening and strengthening fabric How can you make a box out of cloth?	1. Mechanisms 2. Food and nutrition	Levers and linkages – mechanical advantage How can you do a lot of work with little effort?	1. Systems 2. Structures	How things are powered How are things powered?
		Individual diets What do we mean by a balanced diet?		Food as medicine How does food affect your body and mind?		Spanning gaps What makes a bridge strong?
Jaguar	1. Food and nutrition 2. Mechanisms	Ultra-processed food What's really in your food?	1. Textiles 2. Structures	Fixings and fastenings How do you keep a tea towel from slipping off a hook?	1. Electrical systems 2. Food and nutrition	Switches and circuits revisited How useful are switches?

		Hinges How many ways are there to open a door?		Designing structures using a frame to make them stronger and sturdier Which shapes will give a structure stability?		Benefits of fresh food Is cheap food always worse for you?
Toucan	<ol style="list-style-type: none"> Food and nutrition Mechanisms 	Ultra-processed food What's really in your food?	<ol style="list-style-type: none"> Textiles Structures 	Fixings and fastenings How do you keep a tea towel from slipping off a hook?	<ol style="list-style-type: none"> Electrical systems Food and nutrition 	Switches and circuits revisited How useful are switches?
		Hinges How many ways are there to open a door?		Designing structures using a frame to make them stronger and sturdier Which shapes will give a structure stability?		Benefits of fresh food Is cheap food always worse for you?

Cycle B 2025- 2026	Autumn		Spring		Summer	
	Autumn Unit Core Discipline	Core Concepts	Spring Unit Core Discipline	Core Concepts	Summer Unit Core Discipline	Core Concepts
Monkey	Textiles Food and nutrition	Exploring shape using a template How can you repurpose an item of clothing?	Mechanisms Understanding materials	Axles and wheels Are bigger wheels always better?	Food and nutrition Structures	Processed food How healthy is your food?
		Nutrients and the body What does healthy mean?		Selecting materials Can you build with bread? Manipulating materials How can you waterproof a hat?		Developing strength in structures How strong is a piece of paper?
Lemur	1. Textiles 2. Food and Nutrition	Stiffening and strengthening fabric	1. Mechanisms 2. Food and nutrition	Levers and linkages – mechanical advantage.	1. Systems 2. Structures	How things are powered.
		Individual diets		Food as medicine		Spanning gaps
Jaguar	1. Food and nutrition 2. Systems	Food choices Why are our diets so different?	1. Textiles 2. Food and nutrition	Durability of fabric Which fabric is ideal for creating a functional and hardwearing lunch bag?	1. Structures 2. Mechanisms	Developing structures that are fit for purpose How are frames strengthened, reinforced and made rigid?
		Using technology to design and control How can we keep ourselves safe on the road?		Cultural influences on diet What can you learn from different cultures' diets?		Pulleys and gears - transferring rotational force How can you lift a car onto a roof?

Toucan	1. Food and nutrition	Food choices Why are our diets so different?	1. Textiles 2. Food and nutrition	Durability of fabric Which fabric is ideal for creating a functional and hardwearing lunch bag?	1. Structures 2. Mechanisms	Developing structures that are fit for purpose How are frames strengthened, reinforced and made rigid?
	2. Systems	Using technology to design and control How can we keep ourselves safe on the road?		Cultural influences on diet What can you learn from different cultures' diets?		Pulleys and gears - transferring rotational force How can you lift a car onto a roof?

Cycle C 2026- 2027	Autumn		Spring		Summer	
	Autumn Unit Core Discipline	Core Concepts	Spring Unit Core Discipline	Core Concepts	Summer Unit Core Discipline	Core Concepts
Monkey	1. Mechanisms 2. Structures	Sliders and levers How can you make a picture move?	1. Food and nutrition 2. Understanding Materials	Exploring food senses How does food affect your senses?	1. Textiles 2. Food and nutrition	Joining techniques How can two squares of fabric keep you warm?
		Freestanding structures How can you stop a tower from toppling over?		Selecting materials Can you build with bread? Manipulating materials How can you waterproof a hat?		Vitamins in food Why are vegetables the best?
Lemur	Textiles Food and Nutrition	Stiffening and strengthening fabric How can you make a box out of cloth?	Mechanisms Food and nutrition	Levers and linkages – mechanical advantage How can you do a lot of work with little effort?	Systems Structures	How things are powered How are things powered?
		Individual diets What do we mean by a balanced diet?		Food as medicine How does food affect your body and mind?		Spanning gaps What makes a bridge strong?

Jaguar	<ol style="list-style-type: none"> 1. Food and nutrition 2. Mechanisms 	<p>Multicultural influences on food Can street foods save us?</p>	<ol style="list-style-type: none"> 1. Food and nutrition 2. Structures 	<p>Food and mood Does food affect the way you feel?</p>	<ol style="list-style-type: none"> 1. Electrical systems 2. Textiles 	<p>Complex switches and circuits Can switches perform more than one function?</p>
		<p>Pulleys and gears – rotary and linear movement How do pulleys and gears let you see the world?</p>		<p>Designing structures revisited – combining skills and knowledge How strong is a piece of spaghetti?</p>		<p>Sustainable materials How can you reduce, recycle, repurpose?</p>
Toucan	<ol style="list-style-type: none"> 1. Food and nutrition 2. Mechanisms 	<p>Multicultural influences on food Can street foods save us?</p>	<ol style="list-style-type: none"> 1. Food and nutrition 2. Structures 	<p>Food and mood Does food affect the way you feel?</p>	<ol style="list-style-type: none"> 1. Electrical systems 2. Textiles 	<p>Complex switches and circuits Can switches perform more than one function?</p>
		<p>Pulleys and gears – rotary and linear movement How do pulleys and gears let you see the world?</p>		<p>Designing structures revisited – combining skills and knowledge How strong is a piece of spaghetti?</p>		<p>Sustainable materials How can you reduce, recycle, repurpose?</p>