

**D+T Curriculum****Newstead Primary School  
Design and Technology Cycle A****IMPLEMENTATION**

DATA units of work are used to implement D+T.

	<b>Autumn Term</b>	<b>Spring Term</b>	<b>Summer Term</b>
<b>Year 1/2</b>	Mechanisms – Wheels and Axles Designing and making a moving toy.	Mechanisms – Sliders and Levers Designing and making a moving picture.	Textiles – Templates and Joining Techniques Designing and making a tiger puppet.
<b>Year 3/4</b>	Food – Healthy and Varied Diet Designing and making a chickpea dip and flatbread.	Electrical Systems – Simple circuits and switches Designing and making an illuminated poster / card with a light-up feature	Structures – Shell Structures Designing and making a keep sake box
<b>Year 4/5</b>	Food – Healthy and Varied Diet Designing and making a chickpea dip and flatbread.	Electrical Systems – Simple circuits and switches Designing and making an illuminated poster / card with a light-up feature	Structures – Shell Structures Designing and making a keep sake box
<b>Year 6</b>	Structures – Frame Structures - Design and make a Viking longboat. Food – Celebrating culture and seasonality Research, design and make a Viking meal	Electrical Systems – More complex switches and circuits. Mechanical Systems – Cams. Design and make a moving toy that requires water.	Electrical Systems – Monitoring and Control. Design and make a model Mayan pyramid with a security circuit.

**Design and Technology Cycle B**

DATA units of work are used to implement D+T.

	<b>Autumn Term</b>	<b>Spring Term</b>	<b>Summer Term</b>
<b>Year 1/2</b>		Structures – Freestanding Structures Make a house for the 3 Little Pigs.	Food – Preparing Fruit and Vegetables Design and make a fruit salad using fruit from Africa.
<b>Year 3/4</b>	Mechanical Systems – Levers and Linkages Designing and making a moving history book	Mechanical Systems – Pneumatics Making a model dinosaur with a pneumatic part.	Textiles – 2D Shape to 3D Product Fancy a bag? Design and make a bag for a specific user.
<b>Year 4/5</b>	Textiles – combining different fabrics Designing and making a funky cushion cover	Shell Structures using computer aided design (CAD) Making a pyramid with a secret compartment.	Mechanical Systems – Pulleys and Gears Designing and making a Space Buggy.
<b>Year 6</b>	Structures – Frame Structures - Design and make a Viking longboat. Food – Celebrating culture and seasonality Research, design and make a Viking meal	Electrical Systems – More complex switches and circuits. Mechanical Systems – Cams. Design and make a moving toy that requires water.	Electrical Systems – Monitoring and Control. Design and make a model Mayan pyramid with a security circuit.

