

# **Design Technology**

## **Statement**

At Cummersdale School we believe that Design Technology is an inspiring, rigorous and practical subject. Design and Technology encourages children to think and intervene creatively to solve problems both as an individual and as a member of a team. At Cummersdale we encourage children to use their imagination to design and make products to solve real and relevant problems.

Where appropriate we try to link work to other disciplines such as Maths, Science, IT and Art. Children are also given the opportunity to reflect upon and evaluate designs, its uses and its effectiveness.

Through a range of creative and practical activities children will consider the function and purpose of designs. When designing and making, they will be taught to:

**Design:** Use research and develop designs that are fit for purpose. Generate, develop, model and communicate their ideas through discussion as well as written work.

**Make:** Select appropriate tools to perform practical tasks. Select from and use a wide range of materials according to their functional properties.

**Evaluate:** Investigate a range of already existing products. Consider the views of others to improve their work and understand how key events and individuals in Design Technology have helped shape the world.

Key skills are mapped across the whole school ensuring progression. Design Technology lessons are taught in rotation with Art, half termly.

# Curriculum Map

	<u>Autumn 1</u>	<u>Autumn 2</u>	<u>Spring 1</u>	<u>Spring 2</u>	<u>Summer 1</u>	<u>Summer 2</u>
<u>Year 1 and 2</u>	Mechanics - moving monsters	Food a balanced diet	Mechanisms Windmills/Moving books		Food - Fruit and Vegetables	
<u>Year 3 and 4</u>		Torches				
<u>Year 5 and 6</u>		Escaping over the Berlin Wall			Healthy Eating- seasonal foods	

	<u>Autumn 1</u>	<u>Autumn 2</u>	<u>Spring 1</u>	<u>Spring 2</u>	<u>Summer 1</u>	<u>Summer 2</u>
<u>Year 1 and 2</u>	Textiles	Mechanisms Fairgrounds	Textiles - Puppets	Structures - Chairs	Mechanisms Wheels and axles	
<u>Year 3 and 4</u>		Slingshot cars				
<u>Year 5 and 6</u>		Gingerbread Houses	Textiles - Designing a Waistcoat			