

DESIGN & TECHNOLOGY

INTENT – Luddenden CE School is committed to providing an environment which promotes creativity and innovation. We aim to inspire children through a broad range of practical experiences to create innovative designs based on real and relevant contexts. Each unit encourages children to identify problems, critically evaluate existing products and then take risks and innovate when designing their own products. Core values in Design and Technology are curiosity, endurance, compassion and courage.

IMPLEMENTATION: The [Kapow](#) scheme of work will form the core Design & Technology curriculum. Children are given the opportunity across every year group to design, plan, make & evaluate through practical lessons. They will practise skills, utilise prior knowledge and be introduced to new ideas as they move through school. Cooking skills and understanding of nutrition are also developed in every year group.

IMPACT: Children build on their wealth of skills and understanding, now and in the future. Children show competences in improving their resilience and perseverance by continually evaluating and improving their work. Children develop gross and fine motor skills impacting positively on muscle development and coordination.

	Autumn	Spring		Summer
Nursery	Painting & Drawing	Colour & Texture		Cutting, joining & assembling
Reception	Structures - Junk Modelling	Structures - Boats		Making Smoothies
Year 1	Design & make a puppet	Design a moving vehicle with wheels		Making Smoothies
Year 2/3 Cycle A	Design & make a pouch	Mechanisms - Fairground wheel		Making a wrap
Year 2/3 Cycle B	Making a moving monster	Eating Seasonally		Making a castle
Year 4/5 Cycle A		Mechanical Cars	Adapting a Recipe	Electric Poster
Year 4/5 Cycle B		Structures - Bridges	Developing a Recipe	Textiles - Fastenings
Year 6	Textiles - Stuffed Toys	Nutrition - Come Dine with me		Steady hand game