

Ponteland Primary School
2025 - 2026 DT Curriculum Overview

Our Rationale

Design and technology is about the design of a range of objects, how things work, how things are made and how to join, fix, make and use materials effectively.

Through D&T children can learn how to design, make, evaluate and use particular skills to achieve an outcome.

Through the DT curriculum, children should be inspired by key events engineers, designers, chefs and architects to enable them to create a range of structures, mechanisms, textiles, electrical systems and food products with a real life purpose.

Our DT lessons are under pinned by 4 key areas which form the cycle and structure to a unit of work

Design	Make	Evaluate	Technical knowledge
The process of researching and planning to create something to a set criteria for a purpose	The process of creating your planned item using particular skills	The process of testing and exploring products against a criteria.	This is the understanding and particular skills we need to learn and apply.

	Autumn	Spring	Summer
Nursery	Developing Fine Motor Skills	Developing ideas	Cooking and Nutrition: Fruit Salad Criteria: healthy and varied, preparing food, where it comes from (KAPOW)
Reception	Structures: Junk Modelling (KAPOW)	Seasonal Projects (KAPOW)	Cooking and Nutrition: Vegetable Soup Criteria: healthy and varied, preparing food, where it comes from (KAPOW)
Year 1	Mechanisms: Levers and Sliders - making celebration cards (eg Christmas) (KAPOW can support)	Structures: Bridges (some things on Kapow will support this)	Cooking and Nutrition: Healthy Eating/Afternoon Tea Criteria: healthy and varied, preparing food, where it comes from
Year 2	Mechanisms: Axels and Wheels - Vehicles (KAPOW) Knowledge Organiser	Cooking and Nutrition: Pastries (MITNE) Criteria: healthy and varied, preparing food, where it comes from, introduce processed / grown / reared	Textiles: Pouches (KAPOW)
Year 3	Cooking and Nutrition: Mince pies Criteria: understanding of traditions, seasonality, processed foods (KAPOW can support cooking seasonally)	Structures: Den building	Textiles: Egyptian Neck Collar (KAPOW)
Year 4	Structures: using a net - Viking Longship	Electrical Systems: Torches (alongside science unit, KAPOW)	Cooking and Nutrition: Greek Food Criteria: healthy, varied, reflects grown reared caught processed, seasonality
Year 5	Structures: using a net - Viking Longship	(MITNE) Cooking and Nutrition: Using a base meal in different ways Mining diets and traditions - Pasties (sweet and savoury half and half) Criteria: healthy, varied, reflects grown reared caught	Electrical Systems: Torches (see year 4 for available planning)

		processed, seasonality	
Year 6	Electrical Systems: Lighthouses/Crumble	Mechanical Systems: Boats	Cooking and Nutrition: Greek Food Criteria: healthy, varied, reflects grown reared caught processed, seasonality