

West Hill Design Technology Curriculum Map

The 'BIG' Problem:

	Autumn	Spring	Summer
Y1	Mechanisms - creating hinged pictures Can you design, make and evaluate: a moving picture for a friend?	Structures Can you design, make and evaluate: a sturdy lighthouse for the lighthouse keeper?	Cooking and nutrition Can you design, make and evaluate: a healthy salad for the Headteacher's lunchbox?
Y2	Mechanisms and Structures - Wheels and axles Can you design, make and evaluate: a sleigh for Santa for when his reindeers are poorly?	Cooking and nutrition Can you design, make and evaluate: a smoothie for children that helps them to be healthy?	Textiles - Template and joining templates Can you design, make and evaluate: a hand-puppet for children that they can play with?
Y3	Textiles – Sewing Can you design, make and evaluate: a cushion or bag for Daisy from the Beasties to help her with bedtime stories?	Mechanisms – pneumatics Can you design, make and evaluate: a pneumatic monster toy for a young child that they can play with?	Structures (including computer aided design) Can you design, make and evaluate: a marble run rollercoaster for a rollercoaster design team to demonstrate a new rollercoaster for their theme park?
Y4	Cooking and nutrition Can you design, make and evaluate: a baked food which could be used to celebrate Central American culture and ingredients?	Mechanisms – pulleys and gears (Lego systems) Can you design, make and evaluate: A mechanism to make lifting and moving heavy weights easier?	Understand and use mechanical and electrical systems Can you design, make and evaluate: a product to help you read in the dark?
Y5	Mechanisms (levers and linkages) Can you design, make and evaluate: a picture book for a younger child, using levers and linkages to create moving parts.	Textiles - Quilting Can you design, make and evaluate: a fabric case to collect or protect items	Cooking and nutrition Can you design, make and evaluate: a new flavour of bread roll for a teacher to enjoy for their lunch.
Y6	Textiles Can you design, make and evaluate: a Christmas-themed stocking for Tiny Tim?		Electrical systems Can you design, make, program and evaluate: a working model fairground ride for a theme park?