

Howard Community Academy - Design Technology Overview

DT units of work are adapted from the DT Association's *Project on a Page* units of work and the *Eatwell* school cookery guide

Year/Class	Cycle	Autumn	Spring	Summer
Reception	A and B	Structures Homes and Houses – inspired by the story of the Three Little Pigs, children learn about choosing materials for their properties.	Textiles Imaginary Pet – children work with textiles to make their own sock puppet, using various fabrics.	Growing Food Children learn to make a meal or snack with food that has been grown locally
KS1	A 2025/26	Cookery and Nutrition Party time – children learn to use a variety of kitchen equipment safely to make food for a picnic or party.	Textiles Templates and Joining <i>project on a page</i> – children learn to join fabric by stitching to make a bag or apron.	Mechanisms – Sliders and Levers <i>Project on a Page</i> Children design, make and evaluate a moving storyboard for retelling a fairy tale to an audience of younger children.
	B 2026/27	Cooking and Nutrition Bring on Breakfast – children learn about making a 'balanced' meal, and the benefits of healthy eating.	Mechanisms – Wheels and Axles <i>Project on a Page</i> Children design, make and evaluate a small-wheeled trolley for carrying tools or storybook character.	Structures Freestanding Structures <i>project on a page</i> – children learn to join materials and make a model village.
LKS2	A 2025/26	Cooking and Nutrition Lovely lunch – children write their own recipes for making a meal inspired by food from other cultures.	Electrical Simple Circuits and Switches <i>Projects on a Page</i>	Textiles 2D shape to 3D product <i>Project on a Page</i> – children learn different joining techniques for designing, making and evaluating a purse/wallet.
	B 2026/27	Mechanisms Levers and Linkages <i>project on a page</i> – children learn to make a simple moving toy using linkages and levers.	Structures Shell structures <i>project on a page</i> – children use 2D nets to make 3 structures by folding and joining materials	Cooking and Nutrition Get baking – children learn to measure and mix ingredients to follow a recipe and bake bread rolls.
UKS2	A 2025/26	Cooking and Nutrition Grab and Go – Children will prepare food to be eaten on the go, demonstrating food hygiene and safety skills and knowledge.	Textiles Combining different textile shapes <i>Project on a Page</i> Children design and make a fabric container, pouch or holder for a specific audience and purpose, adding pockets or applique, including dye.	Mechanisms Cams <i>Project on a Page</i> Children learn about cam mechanisms before designing and making a moving toy.
	B 2026/27	Electrical More complex switches <i>Project on a Page</i> Children learn to design and make products with electrical components for a given purpose.	Structures Frame Structures <i>Project on a Page</i> Children design and make a small-scale frame structure.	Cooking and Nutrition Serve a salad – children learn to plan, make and evaluate a meal of their own design for a given audience.