

Hampton Vale Primary Academy

Design & Technology Curriculum Overview

Strands & Concepts

Food	Materials	Electronics (Covered within Digital Literacy)
Hygiene	Structures	Circuits/CAD
Cultural and Seasonal	Mechanisms	Programming
Safety	Textiles	Film
Healthy Lifestyles	Safety	
Design/Make/Evaluate	Properties	
	Design/Make/Evaluate	

Materials

Mechanisms	Automata	Cams/Axels/Levers
	Material Properties	Safety
	Design/Create/Evaluate	
Structures	Free standing	Frame
	Shell	Design/Create/Evaluate
Materials	Properties	Safety
	Textiles	Design/Create/Evaluate

Food

Healthy Lifestyles	Nutrition	Design and Make
	Storage	Balanced Diet/Exercise
Celebrating Culture and Seasonality	Weather and Climate	Festivals and Celebrations
	Farming	Design and Make
Hygiene	Kitchen Safety	Food Hygiene (4C's)
	Handling Food	Making

Electronics

Circuits/CAD	CAD- Design storage (nets)	
	Types of Circuits	Components of Circuits
	Design/Create	
Programming	Coding-Block coding	Coding- HTML
	Design	Create
Film	Greenscreen	Camera angles
	Presenting	Motion/Animation

Reception

Food	Materials
Nutrition/Health	Properties of Materials
Kitchen Safety	Free standing Structures
Design/Make	Design/Make
Food Hygiene	

Year 1

Food

Materials

Preparation

Investigation

Design/Make

Properties

Nutrition

Design/Make

Year 2

Textiles

Investigate

Joining techniques

Design and Make

Materials

Axles and Wheels

Properties

Design/Make

Year 3

Food

Materials

Investigation

Investigation

Health and Hygiene

Construct

Design and Make

Design and make

Year 4

Food

Nutrition

Balance Diet

Design and Make

Food Preparation/Kitchen Safety

Textiles

Investigate

Joining techniques

Design and make

Year 5

Food

Mechanisms

Investigate

Identify

Apply

Apply

Design and Make

Design and Make

Year 6

Textiles

Investigate

Joining techniques

Design and make

Materials

Investigate

Joining and Understanding

Design and Make