



THE
DIOCESE OF
SHEFFIELD
ACADEMIES
TRUST



Aston All Saints C of E Primary School

Design & Technology Long Term Overview

Structures		Food		Mechanisms		Textiles	
Electrical Systems							
	FS2	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
AUTUMN	Mechanisms - Hinges (e.g. Pet carrier)	Food - preparing fruit and vegetables (e.g. Smoothies	Mechanisms - Sliders and Levers	Mechanical Systems - Levers and linkages	Food - Healthy and varied diet (e.g. Healthy meal, enterprise	Mechanical Systems - Pulleys or gears; Cams	Food - Celebrating culture and seasonality (Savoury dishes)
SPRING	Structures - Houses (e.g. link to reading of 3 little pigs)	Mechanisms - Wheels and axles	Food - Preparing fruit and vegetables (e.g. Making bread)	Textiles - 2D shape to 3D products (e.g. cushions, enterprise)	Electrical Systems - Simple circuits and switches; Simple programming and control)	Structures - Frame structures	Mechanical Systems -Cams
SUMMER	Food - Bread, soup, pizza	Structures - Freestanding structures (winding mechanism/toy)	Textiles - Templates and joining)	Food - Healthy and varied diet (e.g. Healthy meal, enterprise)	Structures - Shell structures and Shell structures using computer-aided design	Textiles -, Combining different fabric shapes (including computer-aided design)	Electrical Systems - Monitoring and control and More complex switches