

## West Green Primary Early Years and KS1 Design Technology Overview

*Topic. Key vocabulary.*

Year group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception	Throughout Reception, children will experience and be taught, a range of technical related knowledge. They will develop and explore their understanding through directed sessions and self-initiated activities, looking at the process of research, design, making and evaluating. Create, cut, stick, join, process, model, thread, research, design, make, evaluate					
1		Mechanisms: Making a moving storybook  Sliders Mechanism Model Assemble	Structures: Constructing a windmill  Axle Model Net Unstable Stable		Smoothie  Ingredients Recipe Chopping board Smoothie Cut Blend	
2	Cooking and nutrition: Balanced diet Carbohydrates Dairy Diet Oils Proteins		Textiles: Pouches Fabric Hand puppet Stencil Template			Mechanisms: Fairground wheel Ferris wheel Pods Axle holder Frame

## West Green Primary KS2 Design Technology Overview

*Topic. Key vocabulary.*

Year group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
3		Structures: Constructing a castle 2D, 3D, net, scoring, stable, stiff, structure, tab		Cooking and nutrition: Eating seasonally Arid, climate, complementary, grate, import, Mediterranean, temperate, texture, tropical	Textiles: Cross stitch and applique: Egyptian collars Appliqué, cross-stitch, running stitch, embellish, cotton, silk, polyester, matt, biodegrade	
4	Digital world: Mindful moments timer Ergonomic, loop, coding, block, variable, bug, debug, net, prototype		Electrical systems: Torches Conductor, circuit, insulator, series circuit, component, LED, aesthetics		Mechanical systems: Making a slingshot car Chassis, energy, kinetic, mechanism, air resistance, graphics	
5		Electrical systems: Doodlers Circuit component, configuration, current, develop, motor, series circuit		Structures: Bridges Beam bridge, arch bridge, truss bridge, corrugation, rigid, joints, reinforce	Textiles: Stuffed toys Accurate, annotate, appendage, blanket- stitch, fabric, stuffing	
6		Mechanical systems: Automata toys Assembly-diagram, automata, bench hook, cam, clamp, component, dowel, exploded-diagram, jelutong, linkage, tenon saw		Structures: Playgrounds Apparatus, design criteria, equipment, playground, landscape features, cladding	Cooking and nutrition: Come Dine with me Bridge method, cross- contamination, farm to fork	