

## Design and Technology Vocabulary Progression

	Milestone 1	Milestone 2	Milestone 3
<b>General</b>	Product, purpose, intended users, inspiration, features, materials, techniques, annotate, labelled diagram, automatically, fluency, accurate, adapt, refine, prototype	Product, purpose, intended users, inspiration, features, materials, techniques, annotate, prototype, automatically, fluency, enhance, pioneer, cross - section, accurate, modify	Product, purpose, intended users, inspiration, features, materials, techniques, annotate, describe, automatically, fluency, combine, arrange, prototype, modify, organise, demonstrate, test, analyse, adapt, investigate, organise
<b>Structures</b>	<p><b>Frame structures</b> Structure, nature, combined, manufactured, protect, span, connected, balanced, centre of gravity, stable, free-standing, anchor, brace, base, rigid, properties, construct, beam, column, slab</p> <p><b>Solid structures</b> solid, mortar, hollow, dam, arranged, bond, remove, balanced, earthquake, architects, foundations</p>	<p><b>Frame structures</b> Rigid, truss, distribute, strut, joining plate, chord, pier,</p> <p><b>Shell structures</b> Variety, purpose, contain, conjunction, external, aspects, component parts, coordinates, assemble,</p>	<p><b>Frame Structures</b> Assemble, technique, construct, extend, tetrahedron, lightweight, shell</p> <p><b>Arch structures</b> Perfected, ellipse, parabola, keystone, voussoir, impost, pier</p>
<b>Mechanisms</b>	<p><b>Slider mechanisms</b> Rear, guide bridge, rotating, horizontal, vertical, diagonal, attach, transparent, opaque,</p> <p><b>Wheel and axle mechanisms</b> mechanism, rotate, force, attach, chassis</p>	<p><b>Linked leavers</b> pivot, fulcrum, linear, rotary, reciprocating, oscillating</p> <p><b>Pneumatics</b> Pneumatic, compressed, pressure, hydraulic, piston, hollow cylinder, reciprocating</p>	<p><b>Pulleys and gears</b> Circumference, mechanical advantage, physical, gear train, interlock, mitre gear, framework, cable</p> <p><b>Cams</b></p>

			Linear reciprocating, vice versa, dwell, eccentric circle, automation, fixed pulley, pulley
<b>Food and Nutrition</b>	<p><b>Portable snacks</b> Weighing, snipping, stirring, portable,</p> <p><b>Couscous dish</b> nutritious, couscous, garnish, colourful, seasonal ingredients, pulses, vegetarian</p> <p><b>Things to remember</b> grown, reared, caught, processed food, seasonal food, harvest, food poisoning, prepare, stored</p>	<p><b>Vegetable soup</b> Juicing, crushing, blending</p> <p><b>Dips</b> Seasonality, colour, nutrition, garnish, dairy-free</p> <p><b>Things to remember</b> Nutrients, pulses, wholegrain, starchy foods, protein, vitamins, carbohydrates, fibre, fat, bacteria, preserve, refrigerated</p>	<p><b>Bread</b> Kneading, carbohydrate, sourdough</p> <p><b>Bolognese</b> Sautéing, season, substitute, lentils, pulses</p> <p><b>Things to remember</b> Perishable, infectious</p> <p><b>Food throughout the year</b> Seasonal food, nutrients, comfort food</p> <p><b>Cultural events</b> Dumplings, longevity, glutinous, Buche de Noel, Wigilla, Panettone, samosa, chawal ki kheer, Dal makhani, Rava laddu, Kaju barfi, lentils, basmati rice, garnished, semolina, oozle, mezze, baklava, latkes, blintzes, beef brisket, gelt</p>
<b>Artificial Intelligence and App Control</b>		<p><b>App Control</b> Device, app-enabled, respond, Bluetooth, control, response</p>	<p><b>Artificial Intelligence</b> Artificial Intelligence, sensor, inputs, processes, outputs, smart device, component, detect, motor, force sensor, distance sensor, Bluetooth control hub, chassis, friction,</p>

Electrical systems		<b>Paper circuits</b> LED, conductive, adhesive, exploded diagram, illuminate, cell, flexible	<b>Electronic Motors</b> Rotary, propeller, combined, chassis, axle, pulley,
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