

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Coverage Overview	<p>Technical Knowledge - Mechanisms</p> <p>Wheels and axles mechanism</p> <p>(Design, make, evaluate)</p>	<p>Technical Knowledge - Mechanisms</p> <p>Spring mechanism</p>	<p>Technical Knowledge - Cooking and Nutrition</p> <p>Understand where our food comes from and sort items according to origin.</p> <p>Understand the need for a healthy diet, exploring the 'eat well plate' and '5 a day'.</p>	<p>Technical Knowledge - Cooking and Nutrition</p> <p>Prepare healthy dish, performing a range of food preparation skills.</p> <p>(Design, make, evaluate)</p>	<p>Technical Knowledge - Mechanisms</p> <p>Choose own mechanism to create moving part in a product.</p>	<p>Technical Knowledge – Textiles</p> <p>Join two pieces of fabric together to create product (sewing).</p> <p>(Design, make, evaluate)</p>
Core Knowledge & Application	<p>Technical Knowledge - Mechanisms</p> <ul style="list-style-type: none"> I understand and can explain how wheel and axel mechanisms work. <p>Design</p> <ul style="list-style-type: none"> I know I can use my own ideas to create a product and understand what 'designing' means. I know how to draw simple designs and label parts of products using words. <p>Make</p> <ul style="list-style-type: none"> I understand how wheels and axles work and can use them to make a product move in a certain way (forwards and backwards). <p>Evaluate</p> <ul style="list-style-type: none"> I understand why it is important to evaluate a product. I understand and can explain what 'evaluating' means I can explain how I made my product and how the wheels and axles work. 	<p>Technical Knowledge - Mechanisms</p> <ul style="list-style-type: none"> I can explain how a spring mechanism works. <p>Make</p> <ul style="list-style-type: none"> I understand how a spring mechanism works and can explain what I am doing to create my spring mechanism. I know how to fold card in the correct way to create my spring mechanism. 	<p>Technical Knowledge - Cooking and Nutrition</p> <ul style="list-style-type: none"> I know that food comes from different places and can say where certain foods come from (origins). I can classify foods into groups depending on their origins. I understand what 'Five a Day' is and can describe what it means using examples. I know what the food groups are on the 'Eat Well Plate' and can say which are healthy or not. 	<p>Technical Knowledge - Cooking and Nutrition</p> <ul style="list-style-type: none"> I know why we follow safe procedures for food safety and hygiene and can safely prepare a food product. <p>Design</p> <ul style="list-style-type: none"> I understand how looking at existing products will help me with my own product and can discuss what makes them appealing and purposeful. I can use this knowledge to inform my own design. I can design own packaging/product <p>Make</p> <ul style="list-style-type: none"> I know why it is important to use food preparation tools safely and understand why different tools are needed. I can produce a product by: <ul style="list-style-type: none"> - cutting fruit carefully (bridge grip and claw grip) - measuring ingredients - following recipe. I understand and can demonstrate procedures for food safety and hygiene and explain why this is important. <p>Evaluate</p> <ul style="list-style-type: none"> I know that evaluating a product will help me improve future products. 	<p>Technical Knowledge - Mechanisms</p> <ul style="list-style-type: none"> I understand I can use different mechanisms that I've learnt to create a desired effect. I know which mechanism to use in a product, to create a desired effect and can explain why I have chosen that mechanism. 	<p>Technical Knowledge – Textiles</p> <ul style="list-style-type: none"> I understand how to join two pieces of fabric together to create a product (sewing). <p>Design</p> <ul style="list-style-type: none"> I understand why it is important to create and follow a design. I can design products for myself and others following a design criteria. <p>Make</p> <ul style="list-style-type: none"> I know how to join two pieces of fabric together using stitches. I understand how a 3D textile structure can be made and can create a textile product. I know how to mark out and cut fabric, with support. I can explain what tools I am using and why I am using them. I know how to use finishing techniques that have been modelled to make a product look good. <p>Evaluate</p>

				<ul style="list-style-type: none"> I can explain what went well, thinking about the design criteria. 		<ul style="list-style-type: none"> I know that evaluating a product will help me improve future products and can identify an improvement with my own product. I understand and can explain what went well, thinking about design criteria I can talk about what I would do differently if I were to do it again.
Critical Vocabulary	mechanism, movement, forward, backwards, product, push, pull, wheels, axles, explain, design, materials, evaluate, build, explain, functional, purposeful, build, suitability, joining, (names of tools being used).	mechanism, movement, spring, in, out, fold, attach, create, explain	food groups – fruit, vegetables, carbohydrates, starches, dairy, protein, sugars, fat, eat well plate, 5 a day, origins, classify, healthy, unhealthy, balanced diet	senses – feeling, smelling, tasting, healthy, hygiene, food safety, claw grip, bridge grip, origins, peeling, grating, design, evaluate, prepare, product, criteria, chop, appealing, ingredients, measure, recipe, audience, opinion	All previous mechanism vocabulary + desired effect.	textiles, fabric, needle, eye of needle, thread, cotton, felt, 3D, structure, join, sew, stitches, stuffing, techniques, design make, evaluate, criteria, plan, suitability, purposeful, bink.
Enrichment Opps	Test cars down ramps		Invitation to dinner party – what healthy dinner would you make?	Write recipe.		Sewing materials out during Golden Time.
Assessing Impact	<p>Create a moving mechanism using wheels and axels.</p> <p>Missing word – fill in to show understanding of the use of wheels and axels.</p> <p>Verbal explanation of how I made my product and how the wheels and axels work – record on iPad?</p>	Make a spring mechanism at another point.	Nutrition quiz.	<p>Design product and explain how it is appealing to particular audience.</p> <p>Show a bridge and claw grip when cutting.</p> <p>Evaluate product using given criteria.</p>	Children to create a moving part in a product using mechanism of their choice. Children to explain why they chose that mechanism.	<p>Produce a labelled design and explain the importance of it.</p> <p>Use stitching to join two pieces of fabric together.</p> <p>Written evaluation of product.</p>