



Progression Document for KS1 Design & Technology



Unit: Mechanisms: Making a Moving Monster					
Big Question	National Curriculum Links	Core Knowledge	Disciplinary Knowledge	Key Vocabulary	Outcomes
How can we use mechanisms to make a monster move?	Design purposeful and functional products, generate and communicate ideas, select and use appropriate tools and materials, explore and use mechanisms, evaluate existing products and finished designs.	Mechanisms make objects move, linkages connect moving parts, pivots allow parts to rotate, levers can create movement, different linkage arrangements produce different movements, design criteria help ensure a product meets its purpose.	Explore mechanisms, identify pivots and linkages, experiment with different movements, develop design criteria, create labelled designs, construct mechanisms, test movement, evaluate and improve a finished product.	mechanism, linkage, lever, pivot, movement, input, output, design, criteria, evaluate	Design and make a moving monster using levers, linkages and pivots to create the intended movement.
Unit: Cooking and Nutrition: Balanced Diet					
Big Question	National Curriculum Links	Core Knowledge	Disciplinary Knowledge	Key Vocabulary	Outcomes
How can we design and make a healthy, balanced meal?	Use the basic principles of a healthy and varied diet, understand where food comes from, design purposeful products for a user, generate and communicate ideas, select and use appropriate tools and ingredients, evaluate finished products.	A balanced diet includes different food groups, foods provide different nutrients, ingredients can be combined to create balanced meals, food must be prepared hygienically and safely, recipes can be adapted for different users.	Explore and evaluate foods, identify food groups, develop design criteria, plan a balanced meal, select ingredients, use preparation skills safely, follow a design, taste and evaluate a finished product.	balanced, diet, nutrients, ingredients, carbohydrates, protein, dairy, fruit, vegetables, hygiene	Design, prepare and evaluate a healthy wrap that includes ingredients from different food groups.
Unit: Structures: Baby Bear's Chair					
Big Question	National Curriculum Links	Core Knowledge	Disciplinary Knowledge	Key Vocabulary	Outcomes
How can we design and make a strong and stable chair?	Design purposeful and functional products, generate and communicate ideas, select appropriate tools and materials, build structures, explore how structures can be made stronger, stiffer and more stable, evaluate products against design criteria.	Structures can be stable or unstable, shape affects stability, materials can be strengthened in different ways, strong and stiff materials improve structures, design criteria help ensure a product meets the user's needs.	Explore existing structures, test shapes for stability, investigate ways to strengthen materials, develop design criteria, create designs, select materials, construct accurately, test, evaluate and improve a finished product.	structure, stable, unstable, strong, stiff, shape, design, criteria, test, strengthen	Design, make and evaluate a strong, stiff and stable chair that can support Baby Bear.