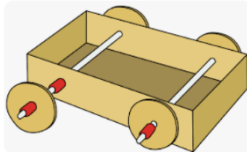




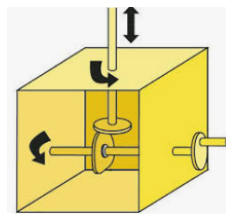



Summer Civilisations	Engages with debate	Vocabulary	Technical Knowledge	Research	Design	Make	Evaluate
<b>KS1</b> Mechanisms	How can we improve the speed of a vehicle?	Lever Slider Wheel Axle Mechanism Design criteria Product	How to create products using mechanisms, such as levers, sliders, wheels, axles. 	Research a range of wheeled vehicles  Identify which what makes a vehicle fast and reliable	Design a product that has a clear purpose and an intended user.	Make a product, refining the design as work progresses. 	Evaluate their product against a design criteria.
<b>LKS2</b> Food & packaging	Does where you live affect the foods you eat? 	Seasonality Ingredients Processed Hygienic Utensils Recipes Accurate Assemble Temperature Oven Hob	Know how to prepare ingredients hygienically using appropriate utensils.  Know where and how a variety of ingredients are grown, reared, caught and processed  Understand how different packaging materials protect our food.  Know how to assemble or cook ingredients (controlling the temperature of the oven or hob, if cooking).	Research and identify existing products, packaging, ingredients & recipes from around the world, identifying nutritional properties  	Design a healthy pizza using ingredients related to a specific country or region. Design a suitable brand name and packaging.	Make a recipe using seasonal ingredients. Make protective packaging using brand name and suitable labelling. 	Identify and evaluate their product in relation to ingredient choice and packaging
<b>UKS2</b> Mechanical systems	What uses do cams and cranks have? 	Aesthetic qualities Functional properties Innovative Durable Cams Crank Moving element Construction Materials Components	How to strengthen materials using suitable techniques.  How to use a wider range of materials and components, including construction materials according to their functional properties and aesthetic qualities.	Research existing cam and crank products and toys.	Design a product with a moving element. 	Make a product using innovative designs that use cams and cranks to create movement.  Refine the design as work progresses	Evaluate the design of the product in relation to movement and durability.