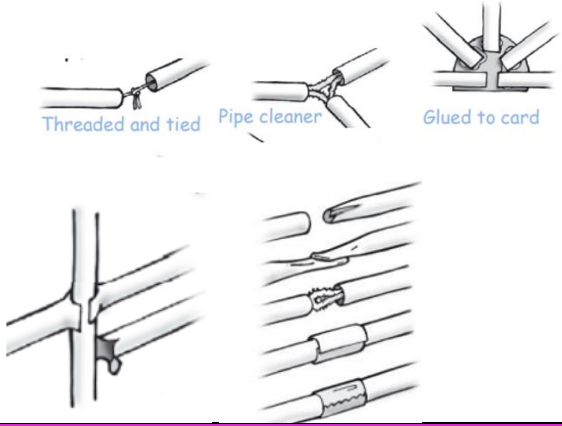





Year 5 : Knowledge Mat-Structures


Key Vocabulary		Technique	Core Knowledge
annotate	add notes to (a text or diagram) giving explanation or comment		<ul style="list-style-type: none"> • I know to use research and develop design criteria to inform the design of functional, appealing products that are fit for purpose, aimed at individuals or groups • I know how to investigate and analyse a range of existing products • I know how to generate, develop, model, and communicate my ideas through discussion, annotated sketches and pattern pieces. • I know how to annotate labelled drawings when designing and planning, showing materials and components. • I know how to select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining, and finishing], accurately select from and use a wider range of materials and components, including construction materials, textiles, and ingredients, according to their functional properties and aesthetic qualities • I know how to apply my understanding of how to strengthen, stiffen and reinforce more complex structures • I know how to evaluate my ideas and products against their own design criteria to improve my work
Design criteria	the explicit goals that a project must achieve in order to be successful		
function	The purpose for which the product is designed		
structure	An object constructed of parts	Products	
evaluate	Assess the success of a design		
sketch	Picture form of a plan, which is annotated to show the measurements and form of the design		
strengthen	To make stronger		
components	Parts of a design		

Year 5 : Knowledge Mat-Mechanisms

Key Vocabulary		Technique	Core Knowledge
Invention	A new process or device		<ul style="list-style-type: none"> I know to use research and develop design criteria to inform the design of functional, appealing products that are fit for purpose, aimed at individuals or groups I know how to annotate labelled drawings when designing and planning, showing materials and components. I know how to generate, develop, model, and communicate my ideas through discussion, annotated sketches and pattern pieces. I know how to select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining, and finishing], accurately select from and use a wider range of materials and components, including construction materials, textiles, and ingredients, according to their functional properties and aesthetic qualities I know how to apply my understanding of how to strengthen, stiffen and reinforce more complex structures I know I can learn about inventors, designers, engineers who have developed ground-breaking products I know and understand how key events and individuals in design and technology have helped shape the world
Design	A clear plan of the explicit goals that a project must achieve in order to be successful		
Chassis	the base frame of a car, carriage, or other wheeled vehicle		
Axle	a rod or spindle (either fixed or rotating) passing through the centre of a wheel or group of wheels	Products	
Power	The drive or force moving parts of a machine		
friction	A force which slows objects down through contact of surface areas.		

<https://www.youtube.com/watch?app=desktop&v=0W9iaB42QDU>

Year 5 : Knowledge Mat-Food and Cooking

Key Vocabulary		Technique	Core Knowledge
Healthy	Promoting good balance for the body		<ul style="list-style-type: none"> • I know and understand what suitable ingredients are to promote a healthy, balanced diet • I know how to apply the principles of a healthy and varied diet to prepare and cook a variety of dishes. • I know how to annotate labelled drawings when designing and planning, showing materials and components. • I know how to use a range of cooking techniques. • I know how to select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining, and finishing], accurately • select from and use a wider range of materials and components, including construction materials, textiles, and ingredients, according to their functional properties and aesthetic qualities • I know about seasonality and which food is best during each season. • • I know where and how a variety of ingredients are grown, reared, caught and processed.
Processed	Food that has been altered during preparation		
Savoury	Food belonging to the category that is salty or spicy rather than sweet		
Varied diet	A wide variety of foods which maintain health		
evaluate	Assess the success of a project		
design	A clear plan of the explicit goals that a project must achieve in order to be successful		
Method	A procedure to achieve a goal		
ingredients	Basic components of a food recipe		

appealing

Looking attractive or interesting.

