

Year 2: Design Technology Knowledge Mat

Subject Specific Vocabulary

Developing, planning and communicating ideas	Tools, equipment and processes
Bar Chart: Type of graph with horizontal or vertical bars representing the values.	Axle: Rod on which one or more wheels can turn.
Brittle: Able to break easily.	Chassis: Base frame of a vehicle.
Components list: List of parts needed to make a product.	Mouldable material: A material which can be shaped, such as plasticine, clay or Plastazote.
Design brief: A statement of what needs to be designed and/or made.	Wheel: Circular frame or disc which rotates about a centre, enabling linear (straight-line) movement from circular motion.
Dismantle: To take a product apart.	
Graphics: Use of pictures and words to communicate ideas and information.	
Ingredient: A component of a mixture, especially in food technology.	
Malleable: Able to be worked into different shapes or bent without cracking.	
Mock up: A model which allows you to try out ideas using cheaper materials/temporary joints.	
Research: In design and technology, the part of the design process which involves finding information.	

Materials

Compression: The application of pressure to squeeze an object
Framework: A structure made by joining together a number of pieces of wood, metal, card or plastic.
Friction: The resistance trying to prevent two surfaces moving against each other.
Lever: A mechanism which allows a greater force to be exerted, such as a spoon used as a lever on the lid of a tin.

Outcome Ideas

Build Structures and Explore and use mechanisms eg: Moving pictures with sliders and levers, moving cannon with wheels and axles, castle structures
Design, Make and Evaluate based on design criteria eg: Make an inuit boat, Design and make a sledge.
Food Technology: Seaside snacks eg: edible boat, fruit sculpture, frozen pop, picnic