

Year 3: Design Technology Knowledge Mat

Subject Specific Vocabulary

Developing, planning and communicating ideas	Tools, equipment and processes
Flowchart: Diagram showing a sequence of operations, that is, the order in which they are carried out.	Cutting mat: Protective surface on which to cut paper or card without scoring through it.
Customer survey: A way of finding out what people think of a product or idea, often by a questionnaire	Glue gun: Electrical device which heats sticks of glue; lowmelt versions are safer for classroom use (safety warning).
Ingredient: A component of a mixture, especially in food technology.	Goggles: Eye protectors, essential for many activities in design and technology and science.
Performance: The way in which a product carries out the task which it is designed to do	Joint: Place where two or more things are joined together, can be rigid or flexible.
Prototype: A model which is made to test whether a design will work.	Linkage: A means of connecting components together usually so they can move.
Specification: Describes what a product has to do.	Structure: A framework made to contain or support something
Synthetic: Made or manufactured, rather than a natural product.	

Materials

Adhesive: Substance which holds materials together.
Cam: Specially shaped wheel, or one with a hole offcentre; when it rotates, anything resting on its edge will bob up and down, as in a pull-along toy.
Chassis: Base frame of a vehicle.
Cog: Single tooth or projection on the rim of a gear wheel
Dowel: Wood cut to a cylindrical shape, available in various widths
Spacer: A component placed between two parts, such as between a wheel and the side of a buggy.
Winch: Device to wind string or rope on to a wheel.

Outcome Ideas

Making bows and arrows

Making volcanoes

Making Roman Chariots