

Year 6: Design Technology Knowledge Mat

Subject Specific Vocabulary

Developing, planning and communicating ideas	Tools, equipment and processes
Ergonomics: Study of how artefacts and environments can be matched to the needs of people.	Conductor: A material which allows heat or electricity to pass through it.
Ingredient: A component of a mixture, especially in food technology.	Gearing: A gear train set up to increase or decrease speed.
Orthographic: In an orthographic projection, an object is drawn from three views: front, end and aerial.	
Pie Chart: Type of graph which show the proportion of parts to the whole.	

Outcome Ideas

Design and make an artefact with relevance to leisure enterprise, industry and the wider environment.
To design and make an artefact with relevance to culture
Design and make an artefact using technical knowledge A Study of WW2

Materials

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.
Drive belt: The belt which connects and transfers movement between two pulleys.
Follower: Device which rests on and follows the movement of the cam.
Gear: A wheel with teeth around its edge, usually fixed to a shaft.
Pulley: A grooved wheel over which a rope can run
Ratchet: Toothed wheel which a pawl fits in, ensuring that motion is in one direction only.
Shaft: A rod which transmits motion.