

PRIOR LEARNING: • Creating moods boards for design • Using 2D design for manufacture. • Working with a Design Brief. • Using Design Specifications in design. FUTURE LEARNING: • ways. • Make their own moulds for casting. • Developing their own Brief • Design work.	DESIGN & TECHNOLOGY: YEAR 9 RESIN CASTING DESIGN: • Develop design ideas linked to mood board. • Specification of success criteria • Using CAD: 2D design to produce final design ideas. MAKE: • Make a sample of casting resin to test out. • Use CAM to print out designs in MDF. • Use MDF template to create a vacuum formed mould for casting with. • Make final design in Resin. EVALUATE: • Design Review • Prototype - Peer assessment
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KEY WORD	IMAGE	DEFINITION	KEY WORD	IMAGE	DEFINITION
Jewellery		Personal ornaments, such as necklaces, rings, bracelets, that are typically made from or contain jewels and precious metal.	Thermosetting		Thermosetting polymers undergo a chemical change and can not be re-heated and changed.
Accessory		A thing which can be added to something else in order to make it more useful, versatile, or attractive.	Thermoforming		Thermoforming Polymers can be easily recycled. They can be re-heated and re-shaped many times.
Symbolism		The use of symbols to represent ideas or qualities.	Moulds		Moulding is the process of manufacturing by shaping liquid or pliable raw material using a rigid frame called a mould.
Analysis		An analysis is just the process of breaking something down and figuring out how it works	Injection Moulding		Injection moulding is a manufacturing process for producing parts by injecting molten material into a mould.
Anthropometrics		The science of measuring the size and proportions of the human body	Blow Moulding		Blow moulding is a manufacturing process for forming hollow plastic parts. It is also used for forming glass bottles.
Ergonomics		An applied science concerned with designing and arranging things people use so that the people and things interact efficiently and safely.	Crude Oil		Crude oil is a dark liquid. It is found in reservoirs deep under the ground.
Polymers		Polymers are also known as plastics, Plastics are made from crude oil. Thermosetting polymers undergo a chemical change and can not be re-heated and changed.			