3D Design Key Words Year 7

Pewter Casting

A process of heating up pewter to liquid form before pouring it into a shaped mould.

Specification

A list of success criteria explaining what a product/ design should have, be or do

Annotate

Adding notes around your work explaining your design decisions.

CAD

Computer Aided Design- Using computer software to produce design ideas

Art Deco

A style of design which first appeared in France in the 1910s and flourished in USA and Europe during the 1920s.

Finger Joint

A wood-working joint made by cutting a set of interlocking pieces into two pieces of wood which are then glued. .

3D Design Key Words Year 8

Memphis

Memphis is a design movement that began in 1981. This is a design style which went against the norm. The use of bold, bright colours and geometric shapes were a common feature.

Quality Control

The checks carries out to make sure work is as high quality as possible.

Tenon Saw

A small saw with strong steel teeth used to cut straight lines in precise work.

Soldering

A process used for joining metal parts to form an electronic bond/circuit.

Pop Art

Pop Art is a design movement that emerged in the UK and USA during the mid-to late 1950s.

Prototype

A prototype is an early sample or model of a product which is ready to test the concept, process or design.

3D Design Key Words Year 9

Vacuum Forming

A process involving heating a plastic sheet until soft and then applying a vacuum to suck the air out, resulting in the plastic draping over the mould.

Riveting

A process used to join sheet aluminium together giving a semi-permanent finish

Jig

A device that holds a piece of work and guides the tool operating on it. It helps to produce identical outcomes.

Dowel Joint

A tyle of joint used to connect two pieces of wood by drilling holes in each piece and using a wooden peg (the dowel) to attach them.

Isometric

A drawing of a three-dimensional shapes where all horizontal lines are projected back to a 30-degree angle.

Orthographic

A drawing in which a three-dimensional object is represented in two dimensions.

3D Design Key Words Year 10

Critical Studies

Looking at wider contexts within a design brief such as artists/designers and themes

Development

Adapting and refining design ideas to make improvements

Isometric

A drawing of a three-dimensional shapes where all horizontal lines are projected back to a 30-degree angle.

Annotation

Adding notes around your work explaining your design decisions.

Ergonomics

The relationship between the product and it's user. Features that make the product easy to use or more comfortable

CAD

Computer Aided Design- Using computer software to produce design ideas

3D Design Key Words Year 11

Design Movement

A design movement is a style in art or design with a specific comment philosophy or goal.

Prototype

A prototype is an early sample or model of a product which is ready to test the concept, process or design.

Manufacture

Producing a final outcome or prototype using suitable materials and processes.

Scale

An enlarged or reduced drawing that is proportional to the original object. All of the ratios between the original and drawing are equal.

Development

Adapting and refining design ideas to make improvements

Innovation

Generating ideas that are humanly desirable, technologically feasible and financially viable