

## Year 9 Design and Technology – Resistant Materials Vocabulary List

(Tier 2 and Tier 3)



**Addition** – manufacturing processes that involve the addition of materials, for example, 3D printing, soldering and welding.

**Brief** – a couple of sentences that explain very briefly what you are designing or making.

**Datum** – a fixed starting point from which all measurements should be taken.

**Evaluation** – analysis of the good and bad features of a designed product, with the aim of identifying how it could be improved.

**Fabrication** – constructing or manufacturing an item from a number of different parts.

**Finish** – this is related to the overall finish of the product in terms of quality but also to the application of a finish such as paint, wax, stain etc.

**Joint** – this is where component parts of a product are modified so that they can be joined together.

**Manufacturing specification** – A final drawing of your product with sizes and details of how it will be made.

**Process** – a series of actions or steps required to achieve an outcome.

**Quality** – this refers to the production standards of the product and is related to accuracy, materials, manufacturing and finish.

**Rendering** – shading a drawing to make it look like it is made from a certain material.

**Specification** – a list of criteria that a designed product should achieve.

**Wasting** – manufacturing processes that produce waste, for example, drilling, cutting, sanding etc.