

# Keywords: Spring 1

## Product Design

### Topic Title: Product Design

**Introduction to the topic: Why are you learning it and how does it link to what you've learned before?**

**Manufacturing products.**

**What lessons will you cover during the topic?**

**Materials and their properties, manufacturing tools and processes.**

Keyword	Definition
Tolerance	The maximum and minimum sizes a part or feature can be
Function	A practical use or purpose in design
Scriber	A scriber is a hand tool used in metal work to mark lines on work pieces, prior to machining
Accuracy	How exact something is
Template	Shaped pieces of material used in cutting, drilling and shaping. They ensure an item is accurately made.
Hardwood	A wood from deciduous trees, usually lose their leave in the winter e.g. Ash, beech, oak
Softwood	A wood from a coniferous tree, one that usually has needles or cones e.g. Pine
Manufactured timber	Sheets of processed natural timber waste products combined with adhesive
Dowel	A peg that fits into two corresponding holes to join two parts

Laser cutter	A machine that uses a high intensity laser to cut or engrave a material
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