

Keywords: Yr10

Autumn 1

Engineering

Topic Title: Engineering introduction.

Introduction to the topic: Introduction to GCSE, drawing styles and planning for projects.

What lessons will you cover during the topic? Orthographic/ isometric drawing, drawing tools, creativity and design.

Keyword	Definition
Orthographic	A drawing style that shows 3 elevations of a product
Isometric	A 3D drawing style with lines projected vertically or at an angle of 30 degrees
Dimension	The measurements shown on an engineering drawing
Construction line	A faint line used to set out a drawing
Hidden detail	A dashed line to show a feature on a drawing that cannot be seen
Set Square	A triangular drawing tool used when creating engineering drawings
Parallel rule	The ruler that slides up and down on a drawing board
Drawing board	A precision board used to hold paper in place when producing engineering drawings
Line weight	The amount of pressure put on a pencil to create faint or dark lines
Compass	A drawing tool used to draw circles of different radii