YEAR 9 DESIGN AND TECHNOLOGY

KING JAMES'S SCHOOL

KNARESBOROUGH

Name:

Teacher: Class:

During year 9 you will study 4 different units giving you a foundation of skills required to undertake the Design and Technology GCSE:

Drawing/Visual Communication | **Practical Skills** | **CAD/CAM** | **Mini NEA** (Wooden Mirror)

Being able to accurately communicate your design thinking and design ideas is an essential skill for designers and engineers. In this unit you will learn and develop upon your ability to draw accurately and clearly. This will include learning how to produce and read a few standard drawing styles.

CONTENT

You will be able to identify and explain the difference between the following drawing styles:

- 2D Layout Sketching
- Isometric Projection
- Orthographic Drawings

You will also be able to describe when each drawing style is best suited to the task.

SKILLS

Basics:

- Use of a pencil to confidently draw straight lines without a ruler
- Drawing lines of different weight
- Drawing lines at different angles
- Drawing proportions accurately

Advanced:

- Using basic grid lines to produce accurate layout drawings
- Freehand sketching in Isometric projection
- Apply render and tone to increase the realism of your drawings and suggest material properties.
- Understanding how to produce and read Orthographic Drawings

Key Vocab:

Tone	Proportions	Rendering
Isometric	Layout	Dimension
Orthographic	Alignment	Enhancements