YEAR 9 DESIGN AND TECHNOLOGY

KING JAMES'S SCHOOL

KNARESBOROUGH

Name:

Teacher: Class:

During year 9 you will study 4 different unit giving you the skills to undertake the Design and Technology GCSE:

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

This unit of work builds on the knowledge and practical skills developed in Years 7 and 8. Through a series of mini projects, you will gain hands-on experience working with hardwoods, plastics, and aluminium. You will learn a range of manufacturing techniques, including how to shape, join, and finish materials to a high standard, producing quality outcomes throughout the course.

CONTENT

For the following materials:

- Timbers
- Polymers
- Metals

You will learn the following subject specific theory:

- Classifications
- Sources and origins
- Processing
- Stock forms
- Disposal and environmental footprint

SKILLS

In the workshop, you will gain hands-on experience working with timbers, polymers, and metals.

You will develop the skills and confidence to independently carry out a range of practical processes and techniques, enabling you to produce high-quality outcomes. These activities will include:

- Joining with various adhesives
- Shaping with hand tools / abrasives
- Cutting using various hand saws
- Drilling setting up of pillar drill
- Finishing to achieve a professional look

Key Vocab:

Ferrous	Stock Form	Adhesive
Thermoset	Acylic Cement	Conversion
Thermoform	Abrasive	Polymer