

**Y8 Design Technology:
Metals & CAD/CAM**

1

Pre Assessment

How do I create a range of ideas using speed sketching?

2

Home Learning & Key Words Spellings Test

DRD, TnT techniques and use of colour

3

Peer Assessment

How well have I produced a range of ideas using organic shapes

6

Application of Skills and Knowledge

Reflection & evaluation

Teacher PINS Assessment
How well have I manufactured my keyring

5

Finishing techniques – buffing machine

Use of workshop tools & machines

Pewter casting process

4

Self Assessment

How well have I used 2D design to draw and develop my design?

What is CAD/CAM

Types of metals

2D Design Key tools and their uses

Monitoring my Progress

Task	Date Completed
1	
2	Score:
3	
4	
5	
6	

Links to Prior Learning

- **Design** – developing sketching skills from Y7 to generate creative ideas. To develop and communicate design ideas using computer-based tools (CAD).
- **Make** – to select from and use specialist tools, techniques, processes, equipment and machinery precisely, developing use of workshop tools introduced in Y7.
- **Evaluate** – to investigate new and emerging technologies. To understand developments in design and technology, its impact on society and the environment.

Key Words

Design, manufacture, CAD, CAM, automation, ferrous, non-ferrous, alloy, pewter, casting, organic