

## What will I study?

There are topics covered in the course:

**Unit 1. Bench Skills:** Candidates develop skills, knowledge and understanding in the use of metalworking hand tools, bench-fitting work, routine sheet-metal work, measuring and marking out, involving complex features. Candidates develop their ability to read and use drawings and diagrams depicting both familiar and unfamiliar metalwork tasks.

**Unit 2. Machine Processes:** Candidates develop skills, knowledge and understanding in the use of metalworking machines, equipment, related processes, materials, measuring and marking out, involving complex features.

**Unit 3. Fabrication & Thermal Jointing:** Candidates develop skills, knowledge and understanding in fabrication, forming and joining of metalwork components with some complex features. Candidates develop skills in thermal joining techniques and in measuring and marking out.

**Note:** Units are awarded individually at National 4 level. National 5 has no individual units awarded. The course topics are covered to prepare candidates with the knowledge and skills for the course assignment/exam.

## What skills will I develop?

Through practical learning candidates will develop skills in :

- The ability to form, cut, shape and assemble work with a range of different metalworking materials.
- Measuring and marking out a range of metal sections and sheet material
- Reading and interpreting information from working drawings
- Knowledge of the basic properties and uses of different metals
- Knowledge of sustainability issues in a metalworking context
- Knowledge and understanding of safe and efficient working practices in a workshop environment
- The safe use of a range of metalworking hand tools
- Enhanced numeracy
- Planning, organising and communicating practical

## How will I be assessed?

### National 4

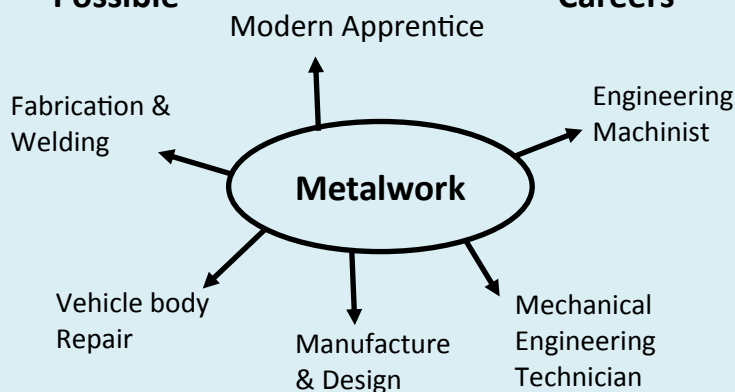
Units are assessed in school by class teachers. National 4 candidates also complete an **Added Value practical project**. This is completed in school and marked by your teacher. All assessments are pass or fail based. To gain National 4 candidates must pass all units and the Added Value.

### National 5

Candidates complete an **assignment** in school, which is marked by the class teachers and sit a final exam which is externally marked. Both marks are added together for a final grade.

## Possible

## Careers



## What can I go on and study in fifth and sixth year?

**National 4** → National 4 Woodwork or progression to National 5 Woodwork.

**National 5** → National 5 Woodwork, Graphic Communication or Design and Manufacture.

## Need more info? -

[Nationals in a Nutshell](#)  
[My World of Work](#)