

# Theory

# MTM

Statement Code no: 1

Student:

Class:

At Junior Certificate level the student can:

Demonstrate knowledge of engineering materials, equipment, processes, and workshop safety

Date Commenced: / /

Date Awarded: / /

## Learning Targets - This has been demonstrated by your ability to:

- |    |  |                          |                          |                          |
|----|--|--------------------------|--------------------------|--------------------------|
| 1  | State rules for safe and correct use of specified tools and procedures                                   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2  | Observe and comply with workshop rules   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3  | Identify typical measuring tools and measuring devices in everyday classroom use                         | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4  | Recognise common engineering metals and plastics   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5  | Identify plastics and metals in everyday use in the environment  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6  | Suggest different uses for common engineering metals and plastics  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7  | Suggest reasons for choices of material for everyday purposes, e.g. nuts and bolts/cars/drill bits/buses | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8  | Identify basic metalwork hand tools  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9  | Identify workshop machines   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 10 | List different joining methods (nuts and bolts/solder/rivets/ adhesive etc.)                             | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 11 | Suggest reasons for choice of joining method   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 12 | Suggest appropriate finishes for different jobs  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Refer also to: English, Art, Materials Technology: Wood, Technical Graphics, Maths, Science

Work begun    | Work in progress    | Work completed