

# USE FABRICATION TOOLS AND EQUIPMENT

<b>Duration:</b>	3 days
<b>Target:</b>	Welders / candidates competent in NQF Level 1
<b>Prerequisite:</b>	Basic Literacy and Numeracy [ABET 4]
<b>NQF Info:</b>	NQF Level 2
<b>Qualification:</b>	Towards the National Certificate in Thermoplastic Fabrication NQF Level 2
<b>Credits:</b>	23
<b>Certification:</b>	merSETA-accredited Plastics SA Certification

## Unit Standards

- Read and interpret basic engineering drawings as required for thermoplastic fabrication [14693]
- Select, use and care for engineering hand tools [12216]
- Select, use and care for engineering measuring equipment [12476]
- Select, use and care for power tools used for thermoplastic fabrication [14681]

## Objective of Learning Programme

To know how to interpret engineering drawings, use and care for engineering hand tools, measuring equipment and power tools, recognise problems related to the tools, discuss basic units of measure and symbols and work safely.

## Outcomes

*At the end of the learning programme, learners will be able to:*

- Interpret basic engineering drawings
- Select and use engineering hand tools, engineering measuring equipment and power tools used for thermoplastic fabrication
- Recognise and report problems, changes and/or malfunctions while working with hand and power tools
- Work safely with due care for self, fellow workers, equipment, materials and environment
- Monitor the safety and condition of power supply sources to equipment

## Contents

- Discuss and explain basic engineering drawing concepts and material lists
- Care for and maintain engineering hand tools, engineering measuring equipment and power tools used for thermoplastic fabrication
- Explain and discuss basic units of measure and symbols
- Work safely with tools

## Assessment and Certification

- Workplace Experience Assignments to be submitted within two weeks following training. A Plastics|SA Certificate of Competence is issued to successful candidates.
- Relevant credits may be awarded to successful learners upon merSETA due approval process.