



## TEKmation Training Institute FET College

Engineering Education and Skills Development

Private Further Education and Training College

Company Reg : 2011/002576/07

DHET Reg No : 2011/FE07/078

Trade: Mechanical Fitter

Code: MFP1

Course Title: Mechanical Fitter Phase 1

Course Duration: 11 Weeks

Course Content: This course is designed to enable the learner to receive a good basic grounding and exposure to the skills and equipment that is used in the trade. 1st year Apprentices.

- Induction to Tekmation.
- Occupational Safety.
- Basic First aid.
- Select, Use & Care For Engineering Hand Tools.
- Select, Use & Care For Engineering Workshop Tools.
- Identify And Select Materials.
- Read, Interpret & Produce Engineering Drawings & Sketches.
- Hand Skills - Grind Tools & Drill Bits.
- Measuring Equipment.
- Identify & Maintain Valves.





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Trade: Mechanical Fitter

Code: MFP2

Course Title: Mechanical Fitter Phase 2

Course Duration: 12 Weeks

Course Content: 2nd year Apprentices who have successfully completed the Phase 1 Apprentice Fitter course are eligible or individuals who have been recommended for this course as a result of an evaluation conducted at this Centre. The course is designed to enable the learner to receive the skills and knowledge that is used in the trade.

- Perform Arc Welding.
- Perform Gas Welding & Brazing.
- Perform Gas Cutting & Heating.
- Marking Off - basic engineering shapes.
- Identify Produce & Install Keys and Locking Devices.
- Assemblies – Identify, Repair & Maintain Gearboxes.
- Identify & Maintain Bearings.





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Trade: Mechanical Fitter

Code: MFP3

Course Title: Mechanical Fitter Phase 3

Course Duration: 16 Weeks

Course Content: 3rd year Apprentices who have successfully completed the Phase 2 Apprentice Fitter course are eligible or individuals who have been recommended for this course as a result of an evaluation conducted at this Centre. The course is designed to enable the learner to receive the skills and knowledge that is used in the trade. Individuals how meet the apprentice requirement are eligible to attempt the National Trade Test.

- Identify Maintain & Install Drives.
- Identify Maintain & Install Couplings.
- Identify Maintain Lubrication systems.
- Basic Lifting Techniques.
- Identify Maintain & Install Brakes and Clutches.
- Installation of Machinery.
- Identify Maintain & Install Pumps.
- Hydraulic Systems - Symbols, Identify & Maintain.
- Pneumatic Systems - Symbols, Identify & Maintain.

