



## 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

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Trade: Fitter & Turner

Code: FTP1

Course Title: Fitter & Turner 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: Fitter & Turner

Code: FTP2

Course Title: Fitter & Turner Phase 2

Course Duration: 16 Weeks

Course Content: 2nd year Apprentices who have successfully completed the Phase 1 Apprentice Fitter & Turner 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.
- Identify Maintain Lubrication systems.
- Operate and monitor a lathe to produce simple components
- Operate and monitor a milling machine to produce simple components.





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Trade: Fitter & Turner

Code: FTP3

Course Title: Fitter & Turner Phase 3

Course Duration: 18 Weeks

Course Content: 3rd year Apprentices who have successfully completed the Phase 2 Apprentice Fitter & Turner 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.
- 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.
- Produce components by performing engineering turning operations.
- Produce components by performing engineering milling operations.
- Produce complex components using milling machines.
- Produce complex components using lathes.

