



Year 1

- **MIG WELDING – STRUCTURAL LEVEL**

Duration: 2 Weeks

Weld carbon steel work pieces using the MIG (CO₂) in all positions.

- **TIG WELDING / ARGON WELDING – STRUCTURAL LEVEL**

Duration: 2 Weeks

Weld carbon steel work piece using TIG argon process demonstrating flat, horizontal, and vertical positions on a structural level.

- **POWER TOOLS COURSE (GRINDER, DRILL, USE OF MEASURING EQUIPMENT)**

- Regulations and safety requirements
- Tool hazards, identification, and control
- Common accidents
- Introduction to proper use of different types of hand tools and usage
- Type of safety guarding and controls
- Use of proper PPE.

- **ARC WELDING – STRUCTURAL LEVEL**

Duration: 2 Weeks

Weld carbon steel work piece using the ARC welding process in all positions (structural level)