



**BARBADOS
VOCATIONAL
TRAINING
BOARD**

**SKILLS TRAINING PROGRAMME
in**



WELDING FABRICATION

BARBADOS VOCATIONAL TRAINING BOARD
"Lawrence Green House"
Culloden Road
St. Michael
436-7970

Welding Fabrication

On completion of training, the trainee will be able to:

1. Prepare estimates of materials, labour cost and plans of procedures from building and engineering (working) drawings for the fabrication of metal products to be constructed of plate, hollow section and rebars.
2. Fabricate small and large size metal products using the oxy-acetylene, shielded metal arc and metal inert gas welding gouging and cutting.
3. Straighten, replace, rebuild and repair heavy duty equipment metal parts.

The programme is of nine (9) months duration.

Persons admitted to this programme will receive practical training comprising of:

- Fabricating metal products using oxy-acetylene cutting and welding equipment.
- Fabricating metal products using shielded metal arc and gas Tungsten—arc welding equipment and processes.
- Repairing alloy casting and heavy duty equipment and metal parts using shielded metal arc equipment and processes.

In addition, they will be expected to fabricate four (4) metal products:

1. Tool box made of sheet metal (individual project).
 2. Student's writing desk made of hollow section (individual project).
 3. Five hundred gallon fuel tank and support (group project).
 4. A farm trailer (group project).
 5. Repair alloy casting such as automobile engine heads and blocks; repair heavy duty equipment parts (individual project).
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OCCUPATIONAL/SKILLS PROFILE—WELDING

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| DUTY 1 | Develop Oxy-acetylene Welding and Cutting Techniques and skills |
| DUTY 2 | Fabricate Metal (Steel) Product Employing Oxy-acetylene Welding and Cutting Equipment and Processes (tool box) |
| DUTY 3 | Develop Shielded Metal Arc Welding Techniques and Skills |
| DUTY 4 | Fabricate Metal (Steel) Products (Furniture-Student's Desk) Employing Shielded Metal Arc Welding Equipment & Process |
| DUTY 5 | Develop Gas Metal Arc Welding Techniques & Skills |
| DUTY 6 | Fabricate Metal Products (500 Gallon Storage Tank and Farm Trailer) Employing Gas Metal Arc Shielded Metal Arc Welding Equipment and Processes |