

MATHIOYA TECHNICAL & VOCATIONAL COLLEGE

BUILDING AND CIVIL ENGINEERING DEPARTMENT

| PLUMBING FULL COURSE | BUILDING FULL COURSE | PLUMBING SHORT COURSE |
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| LEVEL 4 & 5 TOOLS AND EQUIPMENTS | LEVEL 4,5 & 6 TOOLS AND EQUIPMENTS | REQUIREMENTS |
| <ol style="list-style-type: none"> 1. Dustcoat-Navy blue 2. Scientific Calculator 3. Safety boots leather 4. Tape measure(5M) 5. Spirit level 6. Metallic square 7. Hacksaw frame and blades 8. Pipe wrench 12" 9. Pliers <p>DRAWING:</p> <ol style="list-style-type: none"> 1.T-Square (1m long) 2.Set- square (60,45) 3.Drawing set 4.Pencil (HB, H,2H,2B) 5.Eraser 6.1 roll of masking tape 7 Drawing board/MDF (60x 50 cm) <p>STATIONERY:</p> <ul style="list-style-type: none"> • 5 pcs A4 200 pages exercise books • Drawing books A3 or drawing papers A3 size | <ol style="list-style-type: none"> 1. Dustcoat-Navy blue 2. Scientific Calculator 3. .Safety boots leather 4. Tape measure(5METRES) 5. Spirit level 6. .Metallic square 7. wooden float 8. Steel float 9. mason trowel 10. plumb bob 11. mason string 12. mason hammer 13. cold chisel <p>DRAWING:</p> <ul style="list-style-type: none"> • .T-Square(60 CM long) • .Set- square(60,45) • Drawing set • .Pencil (HB,H,2H,2B) • 1 roll of masking tape & ERASER • Drawing board/MDF (60x 50 cm) <p>STATIONERY:</p> <ul style="list-style-type: none"> • 5 pcs A4 200 pages exercise books • Drawing books A3 or drawing papers A3 size | <p>TOOLS AND EQUIPMENT:</p> <ol style="list-style-type: none"> 1. Dustcoat-Navy blue 2. Safety boots leather 3. Tape measure(5M} 4. .Spirit level 5. .Metallic square 6. Hacksaw frame and blades 7. Pipe wrench 12" 8. Pliers <hr/> <p>BUILDING SHORT COURSES</p> <hr/> <p>REQUIREMENTS</p> <hr/> <p>TOOLS AND EQUIPMENT:</p> <ol style="list-style-type: none"> 1. Dustcoat-Navy blue 2. .Safety boots leather 3. Tape measure(5M) 4. Spirit level 5. Try square 6. wooden float 7. Steel float 8. mason trowel 9. plumb bob 10. mason string 11. mason hammer 12. cold chisel / Wood chisel 13. claw hammer |

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| PLUMBING SHORT COURSE | | |
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| COURSES | PLUMBER PIPE FITTER | SHEET METAL AND FABRICATION |
| TOPICS | | |
| 1. | Sanitary appliances | Caulking tool's |
| 2. | Water supply | Soldering |
| 3. | pipework and treatment | Sheet metal joints |
| 4. | pipe joints | Welding--Arc - |
| 5. | Above and below ground drainage | |
| 6. | Tools and equipment | |

| BUILDING SHORT COURSE | | | |
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| COURSES | CARPENTRY AND JOINERY | MASONRY | FLOOR TILING |
| TOPICS | | | |
| 1. | Framing | Introduction to masonry work | Tiles types |
| 2. | Joinery | Building foundation | Adhesive materials |
| 3. | Measurements and calculations | Overfooting construction | Tools and equipment used |
| 4. | Tools equipment and materials | Wall construction | Procedure of tile flooring |
| 5. | Woodwork and cabinetry | Column setting | Tile leveling system |
| 6. | Work health and safety | Slab beam construction | Floor tiles layout |
| 7. | | Finishing | |