

CROWN COLLEGE

E2E CONSTRUCTION TRAINING

1 Elm Road, Canvey Island - Tel: 01702-341169

SESSION ONE

Tutor will give an outline of the course structure, of what the learners will be doing and what will be expected of them. This session will involve the students in;-

- *An introduction to health and safety, this will include HASAWA, COSHH, and RIDDOR. Subjects included will be PPE, personnel responsibilities, reporting of accidents.*
- *Filling out risk assessments*
- *The learners will be shown how to read a tape measure correctly*
- *The importance of selecting the correct tools and materials for the task*
- *Storage of tools and equipment*

SESSION TWO

Assembly of the floor area

- *How to recognise different types of wood*
- *Reading plans and drawings*
- *How to mark the timber for cutting*
- *How to use a saw and cut the timber accurately and safely*
- *Fixing floor to joists*
- *How to use a work bench*

SESSION THREE, FOUR, FIVE & SIX

Erection of a stud wall to build a three sided cubicle

- *Introduction to working at height and the dangers*
- *How to check a spirit level for accuracy*
- *To learn the structure and parts of the stud wall and types of fixings used (Noggins, skewing etc)*
- *Safely use tools required i.e. hammers, saws, cordless screwdriver etc.*
- *Preference of using nails or screws*
- *Working in teams to build and erect the walls*
- *Securing the walls with ties*

SESSION SEVEN & EIGHT

Insulation and application of plasterboard

- *How and what to insulate the cubicle with fibrous insulation, foam or Styrofoam*
- *The health and safety implications of using fibrous materials*
- *Preference in the use of plasterboard nails as opposed to screw fixing*
- *Correctly measuring the plasterboard*
- *Selection and safe use of cutting tools (Stanley blades, snap blades) in conjunction with a T-square*
- *Correctly securing the plasterboard in place*

SESSION NINE

Fix window securely

- *Accurately measure the window*
- *Secure the window by means of screwing into place*
- *How to pack the window out in readiness for decoration*
- *The use of expanding foam*

SESSION TEN

Applying scrim tape to the plasterboard joints

- *Accurate placement of the scrim*
- *Safe cutting of the scrim*
- *Application of filler to the scrim joint*

SESSION TEN ELEVEN & TWELVE

Fixing skirting and architrave

- *Learn how to scribe*
- *Use a coping saw*
- *Angle cuts and the use of a mitre box and tenon saw*
- *How, where and when to use glue*
- *Use of fixed angle cutter (manual)*

SESSION THIRTEEN

Fix a dado rail to the wall

As in session ten, eleven and twelve but using dado rail

SESSION FOURTEEN & FIFTEEN

Apply lining paper and make good

- Selection of various adhesives
- How to mix wallpaper adhesive (lump-free)
- Learn about the tools for the task
- Measuring and cutting lengths of paper
- Plumbing the walls using a level
- Pasting the paper
- Applying lining paper (cross lining and drop)
- Smoothing the paper
- Cutting by scissors
- Cutting by the use of snap blade and spatula
- Splicing the paper for reveals and window returns
- Correct use of a seam roller
- Disposing of waste

SESSION SIXTEEN

Application of caulk

- Brief insight into the history of caulking
- How to use a caulking gun
- Application of caulk to skirting, architrave and internal angles to ensure a clean edge

SESSION SIXTEEN AND SEVENTEEN

Painting system for all wood substrates

- Preparation of the timber
- Selection and correct use of abrasives
- Application of knotting
- Thinning and applying water-based primer/undercoat
- Thinning and application of acrylic finishing coat

SESSION EIGHTEEN

Applying emulsion to a walled area

- Sheeting up and protecting surrounding areas
- Preparation of the wall
- Selecting tools for the task
- Correct use of a paint brush for "cutting in"
- Applying a wash coat
- Selecting and using the correct pile sleeve for applying the emulsion
- Laying of techniques by brush and roller

SESSION NINETEEN

Cladding an external wall area

- Introduction of various wall cladding materials
- Batten out
- Cutting the cladding
- Nailing the cladding into position
- Finishing

SESSION TWENTY

Prepare and paint a door

- Abrade the door with the correct abrasive
- Apply by brush acrylic undercoat
- Keying of technique (de-nibbing)
- Apply by brush acrylic topcoat

SESSION TWENTY ONE

Tile a floor area

- Preparing the surface to be tiled (talk on self levelling compounds)
- Selection of correct adhesive
- How to cut into the wall without losing the pattern (reverse cuts)

SESSION TWENTY-TWO

Plumbing in a sink or bath

- Introduction to plumbing regulations
- How to bend pipes without crimping or breaking using plumbers pipe benders
- How to cut the pipe
- Connecting pipes (sweating, push fit and compression joints)
- Connecting taps to the sink and pipes

SESSION TWENTY-TWO

Splash-back tiling

- Introduction to tiling and tiling methods
- Tooling and cutting
- Template usage
- Sawing
- Adhesives and grouts
- Spacing
- Edge finishing