

Виртуальный практикум: Столярно-плотницкие работы: Carpentry and Joinery

Виртуальный практикум

Демо-версия

Структура курса

Health and Safety in Construction and Associated Industries

Aims and Keywords

- Aims and Keywords: Health and Safety in Construction and Associated Industries

i-ACT: Roles, Responsibilities and Legislation Around Health and Safety

- Roles and Responsibilities
- Health and Safety Legislation
- Health and Safety
- Health and Safety Legislation
- Health and Safety Legislation

i-ACT: Dealing with Accidents and Illnesses

- Accidents and Illnesses — Descriptions and Symptoms
- Responding to Accidents and Illnesses
- How to Treat Minor Injuries, the Recovery Position and CPR
- Accidents and Illnesses — Descriptions and Symptoms
- Responding to Accidents
- Responding to Accidents

i-ACT: Reporting Accidents, Related Legislation and First Aid Requirements

- Reporting Accidents, Related Legislation and First Aid
- Reporting Accidents, Related Legislation and First Aid
- Reporting Accidents, Related Legislation and First Aid

i-ACT: Identifying Hazards in a Construction Environment

- Risk Assessment
- Hazards, Risks and Good Housekeeping Practice in a Construction Environment
- Conducting a Risk Assessment
- Risk Assessment
- Hazards, Risks and Good Housekeeping Practice
- Hazards, Risks and Good Housekeeping Practice

i-ACT: Health and Hygiene in a Construction Environment

- Hazards and Precautions That Should Be Taken
- Welfare and Hygiene
- Hazards, Health Risks and Hygiene
- Welfare Requirements
- Health and Hygiene in a Construction Environment

i-ACT: Safely Storing and Handling Construction Equipment and Materials

- Manual Handling Legislation, Procedure and Responsibilities
- Waste Disposal

- Storing Materials and Equipment
- Manual Handling Legislation, Procedure and Responsibilities
- Storage and Handling
- Safely Storing and Handling Construction Equipment and Materials
- i-ACT: Access Equipment and Basic Working Platforms**
 - Access Equipment and Basic Working Platforms
 - Access Equipment Safety Checks
 - Access Equipment and Basic Working Platforms
 - Access Equipment and Basic Working Platforms
- i-ACT: Working Safely Around Electricity**
 - Electric Supply, Legislation and Safe Operation of Electrical Equipment
 - Procedures in Installation, Inspection, Maintenance and Testing to Ensure Electrical Safety
 - Ensuring Electrical Safety
 - Electrical Safety
 - Safe Isolation Procedure
 - Ensuring Electrical Safety
 - Electrical Safety
- i-ACT: Purpose of Personal Protective Equipment (PPE) — Importance and Legislation**
 - Employer's and Employee's Responsibilities in Regards to PPE
 - Different Types of PPE
 - Different Types of PPE
 - PPE at Work Regulations
- i-ACT: Fire and Emergency Procedures**
 - Fire and Emergency Procedures
 - Fire and Emergency Procedures
 - Fire and Emergency Procedures
- i-ACT: Signs, Symbols and Safety Notices**
 - COSHH Signs and Symbols
 - Machinery Labels and Emergency Signs
 - Signs and Safety Notices
 - Signs and Safety Notices

Documents, Pricing and Communication in Construction and Associated Industries

Aims and Keywords

- Aims and Keywords: Documents, Pricing and Communication in Construction and Associated Industries
- i-ACT: Interpreting and Completing Construction Documents**
 - Equipment, Understanding and Checks Needed in Order to Complete a Construction Drawing
 - Construction Documents and Their Purposes
 - How to Interpret Abbreviations Used in Construction Documents
 - Construction Documents and Their Purposes
 - Drawing Hatchings and Symbols
 - Construction Documents and Their Purposes
- i-ACT: Calculating and Pricing for Resources and Jobs**

- Calculating Work Space and Resource Quantities
- Choosing Materials and Labour Rates
- Pricing Jobs
- Calculating Work Space and Resource Quantities
- Choosing Material, Labour Rates and Job Pricing
- Calculating and Pricing for Resources and Jobs

i-ACT: Communicating Within Construction Environment

- Communication Methods
- Effects of Communication
- Various Roles and Responsibilities Within Construction Environment
- Methods of Communication
- Roles and Responsibilities in the Construction Environment
- Communication, Equality and Personnel

Methods and Materials in Construction and Associated Industries

Aims and Keywords

- Aims and Keywords: Methods and Materials in Construction and Associated Industries

i-ACT: Fundamentals of Foundation Construction

- Foundation Purpose, Factors and Materials
- Foundation Types
- Foundation Purpose, Factors and Materials
- Foundation Types
- Fundamentals of Foundation Construction

i-ACT: Floor Construction Methods and Materials

- Floor Factors
- Floor Types and Materials
- Floor Construction Methods and Materials
- Floor Construction Methods and Materials

i-ACT: Wall Construction Methods and Materials

- Wall Materials
- Wall Types and Methods of Construction
- Wall Materials
- Wall Types and Methods of Construction
- Wall Construction Methods and Materials

i-ACT: Roof Construction Methods and Materials

- External Roof Features
- Roof Coverings
- Roof Types
- Identifying Roof Types and Coverings
- Roof Types and Coverings
- Roof Types and Coverings

i-ACT: Sustainable Construction, Energy Efficiency, Utilities and Services

- Sustainability and Energy Efficiency

- Utilities and Services
- Sustainability and Energy Efficiency
- Sustainability and Supply of Utilities

Woodworking Joints

Aims and Keywords

- Aims and Keywords: Woodworking Joints

i-ACT: Conversion, Storage, Types and Defects of Timber

- Timber Conversion and Seasoning
- Different Types of Timber Storage and Protection
- Characteristics of Hardwoods
- Characteristics of Softwoods
- Characteristics of Man-made Boards
- Different Woodwork Materials
- Timber Defects
- Timber Conversion, Seasoning and Timber Defects
- Characteristics of Hardwoods, Softwoods and Man-made Boards
- Timber Conversion, Seasoning, Types and Defects

i-ACT: Tools and Equipment

- Hand Tools, Power Tools and Machinery
- Holding and Securing Equipment
- General Maintenance, Common Faults and Repair of Woodworking Hand Tools
- Identifying Tools
- Tools and Securing Equipment
- Tools and Securing Equipment
- Tools and Equipment

i-ACT: Working Drawings and Setting Out a Rod

- Working Drawings and Setting Out a Rod
- Working Drawings and Setting Out a Rod
- Working Drawings
- Working Drawings and Setting Out a Rod

i-ACT: Forming an A-Frame Using Woodworking Joints

- A-Frame, its Joints and How They are Put Together
- Woodworking Joints, Their Variations and Relative Pros and Cons
- Identifying Woodworking Joints
- Identifying Woodworking Joints

First Fix Roofing and Flooring

Aims and Keywords

- Aims and Keywords: First Fix Roofing and Flooring

i-ACT: Roof Structures and Components

- Roof Types, Structures and Trusses
- Methods of Anchoring, Single Roofs, Double Roofs and Tank Stands
- Roof Structures and Trusses

- Roof Types, Structures and Trusses
- Roof Structure Components
- i-ACT: Constructing Roof Structures**
 - Calculating Pitch and Rafter Lengths
 - Constructing Flat and Traditional Pitch Roofs
 - Identifying Measures and Parts of Roof Constructs
 - Constructing Flat and Pitched Roofs
 - Roof Calculations and Roof Constructions

- i-ACT: Flooring Support and Floor Coverings**
 - Flooring Support Components
 - Flooring Support Components
 - Types of Floor Coverings and How They are Fixed
 - Flooring Support Components and Floor Coverings
 - Joist Fixing and Floor Coverings

- i-Practice: Laying Floor Joists**
 - Laying Floor Joists — 1 (Training) Практикум-тренинг.
 - Laying Floor Joists — 1 Практикум-контроль.
 - Laying Floor Joists — 2 (Training) Практикум-тренинг.
 - Laying Floor Joists — 2 Практикум-контроль.

- i-Practice: Installing Floor Covering**
 - Installing Floor Covering (Training) Практикум-тренинг.
 - Installing Floor Covering Практикум-контроль.

First Fix Frames, Stud Partitions and Stairs

Aims and Keywords

- Aims and Keywords: First Fix Frames, Stud Partitions and Stairs

- i-ACT: Fixing Frames and Linings**
 - Door and Window Frames and Linings
 - Different Types of Frame and Lining Materials
 - Frame and Lining Fixing Methods
 - Door and Window Frames and Linings
 - Door and Window Frames and Linings

- i-ACT: Stud Partition Construction**
 - Materials and Fixings
 - Openings and Service Related Information for Stud Partition Walls
 - Stud Partition Corners and Junctions
 - Different Stud Partition Corners and Junctions
 - Erecting a Stud Partition Wall — In Situ Method
 - Stud Partition Components
 - Calculating a Door Opening
 - Fixing a Prefabricated Stud Partition and a Stud Partition In Situ
 - Stud Partition Walls

- i-ACT: Fixing a Straight Flight of Stairs**

- Balustrade Components
- Staircase Components
- Types of Staircases and Building Regulations
- Staircase Components
- Understanding Staircase Components, Construction and Installation

i-Practice: Constructing Stud Partitions Including Door Opening and Return Wall

- Constructing Stud Partitions Including Door Opening and Return Wall — 1 (Training) Практикум-тренинг.
- Constructing Stud Partitions Including Door Opening and Return Wall — 1 Практикум-контроль.
- Constructing Stud Partitions Including Door Opening and Return Wall — 2 (Training) Практикум-тренинг.
- Constructing Stud Partitions Including Door Opening and Return Wall — 2 Практикум-контроль.

i-Practice: Fixing Door Lining in CLS Stud Partition Wall Opening

- Fixing Door Lining in CLS Stud Partition Wall Opening (Training) Практикум-тренинг.
- Fixing Door Lining in CLS Stud Partition Wall Opening Практикум-контроль.

i-Practice: Fixing a Straight Flight of Stairs

- Fixing a Straight Flight of Stairs (Training) Практикум-тренинг.
- Fixing a Straight Flight of Stairs Практикум-контроль.

i-Practice: Cutting and Fitting a Timber Balustrade to String and Handrail

- Cutting and Fitting a Timber Balustrade to String and Handrail (Training) Практикум-тренинг.
- Cutting and Fitting a Timber Balustrade to String and Handrail Практикум-контроль.

Second Fix Operations

Aims and Keywords

- Aims and Keywords: Second Fix Operations

i-ACT: Doors and Ironmongery

- Types of Doors, Their Purposes and How They are Constructed
- Screws, Hinges, Locks and Latches
- Types of Bolts, Miscellaneous Ironmongery and Equipment Used to Create Door or Door Frame Recesses
- Guidance Measures and Positions of Door Ironmongery
- Doors and Ironmongery
- Identifying Ironmongery
- Doors and Ironmongery
- Guidance Measures and Positions of Doors and Ironmongery

i-ACT: Purpose and Methods of Fixing Mouldings

- Methods of Transferring Datums
- Types and Purpose of Mouldings
- Methods of Scribing, Jointing and Fixing Mouldings
- Datum Lines and Mouldings
- Fixing Architrave
- Datum Lines and Mouldings

i-ACT: Service Encasements and Panelling

- Methods of Encasing Services

- Methods of Fixing Panelling to Grounds
- Methods of Encasing Services
- Grounds and Panelling
- Methods of Encasing Services

i-ACT: Kitchen Unit Components, Fitments and Worktops

- Kitchen Fitments
- Kitchen Unit Components
- Important Kitchen Installation Considerations and Methodologies
- Kitchen Unit Components and Fitments
- Kitchen Installation Considerations and Methodologies
- Kitchen Unit Components and Fitments

i-Practice: Hanging a Door

- Hanging a Door — 1 (Training) Практикум-тренинг.
- Hanging a Door — 1 Практикум-контроль.
- Hanging a Door — 2 (Training) Практикум-тренинг.
- Hanging a Door — 2 Практикум-контроль.

i-Practice: Installing Doors and Ironmongery

- Fitting Mortice Lock to a Door (Training) Практикум-тренинг.
- Fitting Mortice Lock to a Door Практикум-контроль.
- Installing Door Handles and a Striking Plate (Training) Практикум-тренинг.
- Installing Door Handles and a Striking Plate Практикум-контроль.

i-Practice: Fixing Architraves to a Door Lining

- Fixing Architraves to a Door Lining (Training) Практикум-тренинг.
- Fixing Architraves to a Door Lining Практикум-контроль.

i-Practice: Installing Kitchen Units, Worktops and Fitments

- Installing Kitchen Corner Base Units and Worktops (Training) Практикум-тренинг.
- Installing Kitchen Corner Base Units and Worktops Практикум-контроль.
- Installing Kitchen Wall Unit and Fitments to All Installed Units (Training) Практикум-тренинг.
- Installing Kitchen Wall Unit and Fitments to All Installed Units Практикум-контроль.

i-Practice: Enclosing a Service Pipe with Encasement and Cladding

- Enclosing a Service Pipe with Encasement and Cladding (Training) Практикум-тренинг.
- Enclosing a Service Pipe with Encasement and Cladding Практикум-контроль.

Carpentry Repair Work and Maintenance

Aims and Keywords

- Aims and Keywords: Carpentry Repair Work and Maintenance

i-ACT: Timber Decay, Disposal and Preservation of Affected Areas

- Timber Decay, Disposal of Affected Timber and Preservation
- Repairing Affected Timbers
- Timber Decay
- Timber Decay, Disposal of Affected Timber and Preservation
- Repairing Affected Timbers
- Timber Decay, Disposal, Preservation and Repairing Affected Areas

i-ACT: Gutters and Downpipes

- Guttering Damage, Types, Profiles and Assembly
- Components Which Make Up Guttering and Downpipe Installations
- Guttering Damage and Types of Guttering
- Gutter Profiles and Components
- Guttering and Downpipe Assembly
- Guttering and Downpipe Damage, Types, Components and Assembly

i-ACT: Replacing Sash Cords

- Identifying Damage and Components of Sash Windows
- Identifying Components of Sash Windows
- Identifying Damage and Components of Sash Windows

i-Practice: Splice Repair to a Sill

- Splice Repair to a Sill (Training) Практикум-тренинг.
- Splice Repair to a Sill Практикум-контроль.

i-Practice: Installing a Gutter and a Downpipe

- Installing a Gutter and a Downpipe (Training) Практикум-тренинг.
- Installing a Gutter and a Downpipe Практикум-контроль.

i-Practice: Replacing Cords on a Box Sash Window

- Replacing Cords on a Box Sash Window (Training) Практикум-тренинг.
- Replacing Cords on a Box Sash Window Практикум-контроль.

Set-Up and Safe Operation of Circular Saws

Aims and Keywords	Демо-версия
- Aims and Keywords: Set-Up and Safe Operation of Circular Saws	✓
i-ACT: Safe Use of Circular Saws	Демо-версия
- Circular Saw Components	✓
- Safe Practice, Aids and Features of Circular Saws	✓
- Fault Checking and Operating Circular Saws with Jigs	✓
- Principles Underlying Safe Use of Circular Saws	✓
- Circular Saw Components	✓
- Safe Practice, Aids and Features of Circular Saws	✓
i-ACT: Saw Blade Components and Maintenance	Демо-версия
- Saw Blade Components and Types of Hooks	✓
- Blade Contamination, Maintenance and Peripheral Speed	✓
- Saw Blade Components	✓
- Blade Contamination, Maintenance and Peripheral Speed	✓
- Saw Blades Hooks	✓
- Saw Blade Components and Their Maintenance	✓
i-ACT: Cutting with Table Saws	Демо-версия
- Cutting Process Requirements and Setting Up	✓
- Cutting Process Requirements and Setting Up	✓
- Cutting Process Requirements and Setting Up	✓

i-Practice: Changing Circular Saw Blades and Cutting Timber and Manufactured Boards Демо-версия

- Changing a Circular Saw Blade (Training) Практикум-тренинг. ✓
- Changing a Circular Saw Blade Практикум-контроль. ✓
- Cutting Timber Using a Circular Saw (Training) Практикум-тренинг. ✓
- Cutting Timber Using a Circular Saw Практикум-контроль. ✓