

Виртуальный практикум: Сантехника и отопление: Plumbing and Heating

Виртуальный практикум

Демо-версия

Структура курса

Safe Working Practices in Building Services Engineering

Aims and Keywords

- Aims and Keywords: Safe Working Practices in Building Services Engineering

i-ACT: Health and Safety Legislation

- Health and Safety Legislation Specific to the Construction Industry
- Health and Safety Legislation Specific to the Construction Industry
- Health and Safety Legislation Specific to the Construction Industry

i-ACT: Safety Notices, Signs and Hazardous Substances

- Safety Notices, Signs and COSHH
- Hazardous Substances Signs
- Identifying Safety and Hazardous Substances Signs
- Understanding the Representation of Safety Notices, Signs and COSHH

i-ACT: Potential Dangers and Working Practices

- Potential Dangers in the Construction Industry
- Working Practices Which Ensure Safety in the Construction Industry
- Potential Dangers in the Construction Industry
- Working Practices Which Ensure Safety in the Construction Industry
- Potential Dangers and Working Practices

i-ACT: Common Site Hazards and Manual Handling

- Common Site Hazards and Manual Handling
- Common Site Hazards
- One Person Lift
- Common Site Hazards and Manual Handling

i-ACT: General Precautions and Procedures for Working with Asbestos

- Types of Asbestos, Asbestos Components and Disposal
- Types of Asbestos, Asbestos Components and Disposal
- Types of Asbestos, Asbestos Components and Disposal

i-ACT: Manual Handling Using Lifting Aids

- Lifting Aids
- Lifting Aids
- Lifting Aids

i-ACT: Accident or Emergency and Requirements for First Aid

- First Aid, Contacting the Emergency Services and Accident Reporting
- How to Treat Minor Injuries, the Recovery Position and CPR
- First Aid, Contacting the Emergency Services and Accident Reporting
- How to Treat Minor Injuries, the Recovery Position and CPR

- Accident and Emergency, First Aid, Treating Minor Injuries, the Recovery Position and CPR
- i-ACT: Working Safely Around Electricity in a Construction Environment**
 - Electrical Supply, Legislation and Safe Operation of Electrical Equipment
 - Procedures in Installation, Inspection, Maintenance and Testing to Ensure Electrical Safety
 - Ensuring Electrical Safety
 - Working Safely Around Electricity in a Construction Environment
 - Procedures in Installation, Inspection, Maintenance and Testing to Ensure Electrical Safety
 - Ensuring Electrical Safety
- i-ACT: Fire, Fire Safety Precautions and Using Fire Extinguishers**
 - Fire, Fire Safety Precautions and Using Fire Extinguishers
 - Fire, Fire Safety Precautions and Using Fire Extinguishers
 - Classifications of Fire and Fire Extinguishers
 - Fire, Fire Safety Precautions and Using Fire Extinguishers
- i-ACT: Basic Working Platforms and Access Equipment**
 - Access Equipment and When to Use It
 - Access Equipment Safety Checks
 - Access Equipment
 - Access Equipment
- i-ACT: Working Safely in Excavations and Confined Spaces**
 - Safe Working Precautions and Practices in Excavations and Confined Spaces
 - Safe Working Precautions and Practices in Excavations and Confined Spaces
 - Safe Working Precautions and Practices in Excavations and Confined Spaces
- i-Practice: Safe Isolation Procedure**
 - Safe Isolation Procedure (Training) Практикум-тренинг.
 - Safe Isolation Procedure Практикум-контроль.
- i-Practice: Application of Temporary Continuity Bonding When Cutting into Fixed Metallic Pipework Systems**
 - Application of Temporary Continuity Bonding When Cutting into Fixed Metallic Pipework Systems (Training) Практикум-тренинг.
 - Application of Temporary Continuity Bonding When Cutting into Fixed Metallic Pipework Systems Практикум-контроль.

Communication Within Building Services Engineering

Aims and Keywords	Демо-версия
- Aims and Keywords: Communication Within Building Services Engineering	✓
i-ACT: Construction Team Members and Roles	Демо-версия
- Key Site Management Team Roles and Trades	✓
- Key Site Visitors	✓
- Key Site Management Team Roles and Trades	✓
- Understanding Management and Trade Roles	✓
- Understanding Key Site Management, Trade and Visitor Roles	✓
i-ACT: Types of Statutory Legislation and Guidance Information Applicable to the Building Services Industry	Демо-версия
- Statutory Legislation and Guidance in the Building Services Industry	✓

- Statutory Legislation and Guidance in the Building Services Industry	✓
- Statutory Legislation and Guidance in the Building Services Industry	✓
i-ACT: Information, Policies, Procedures and Plumbing Roles	Демо-версия
- Information in the Building Services Industry	✓
- Policies, Procedures and Different Graded Roles in the Building Services Industry	✓
- Information, Policies and Procedures in the Building Services Industry	✓
- Information, Policies and Procedures in the Building Services Industry	✓
i-ACT: Communication in the Building Services Industry	Демо-версия
- Communication Methods, Poor Communication and Challenges to Effective Communication	✓
- Disputes and How They are Resolved	✓
- Communication Methods, Poor Communication and Challenges to Effective Communication	✓
- Disputes and How They are Resolved	✓
- Understanding Communication and Resolving Conflict in the Building Services	✓

Application of Environmental Protection Measures Within Building Services Engineering

Aims and Keywords

- Aims and Keywords: Application of Environmental Protection Measures Within Building Services Engineering

i-ACT: Energy Conservation Legislation

- Understanding the Legislation for Energy Conservation and Related Responsibilities
- Understanding the Legislation for Energy Conservation and Related Responsibilities
- Understanding the Legislation for Energy Conservation and Related Responsibilities

i-ACT: Waste Disposal

- Correct Waste Disposal and Waste Disposal Legislation
- Correct Waste Disposal and Waste Disposal Legislation
- Correct Waste Disposal and Waste Disposal Legislation

i-ACT: Energy Sources

- Different Types and Applications of Energy Sources
- The Route from Fossil Fuel to Electricity into Your Home
- Different Types and Applications of Energy Sources
- The Route from Fossil Fuel to Electricity into Your Home
- Different Types and Applications of Energy Sources

i-ACT: Energy Solutions

- Types of Energy Solutions
- Types of Energy Solutions
- Types of Energy Solutions

i-ACT: Energy Conservation and Waste Reduction

- Methods of Reducing Waste and Conserving Energy
- Methods of Reducing Waste and Conserving Energy
- Methods of Reducing Waste and Conserving Energy

i-ACT: Water Conservation and Water Wastage Reduction

- Methods of Water Conservation and Reducing Water Wastage
- Methods of Water Conservation and Reducing Water Wastage

- Methods of Water Conservation and Reducing Water Wastage

Application of Scientific Principles Within Mechanical Services Engineering

Aims and Keywords

- Aims and Keywords: Application of Scientific Principles Within Mechanical Services Engineering

i-ACT: Standard Units of Measurement

- Standard Units of Measurement
- Standard Units of Measurement
- Metric and Imperial Units of Measurement
- Standard Units of Measurement

i-ACT: Properties of Materials

- Properties of Materials Used in the Mechanical Services Industry
- Properties of Materials Used in the Mechanical Services Industry
- Properties of Materials Used in the Mechanical Services Industry

i-ACT: Properties of Gases

- Properties of Gases
- Properties of Gases
- Properties of Gases

i-ACT: Relationship Between Energy, Heat and Power

- Energy, Heat and Power
- Energy, Heat and Power
- Energy, Heat and Power

i-ACT: Principles and Application of Force and Pressure

- Principles of Force and Pressure and Their Application
- Principles of Force and Pressure and Their Application
- Principles of Force and Pressure and Their Application

i-ACT: Simple Mechanical Principles and Their Application

- Mechanical Principles and Their Application
- Mechanical Principles and Their Application
- Mechanical Principles and Their Application

i-ACT: Principles of Electricity

- Principles and Applications of Electricity
- Principle Terms, Equations and Circuit Symbols of Electricity
- Circuits and Circuit Symbols
- Understanding Principles and Applications of Electricity
- Understanding Principles and Applications of Electricity

Site Preparation and Pipework Fabrication for Domestic Plumbing and Heating Systems

Aims and Keywords

- Aims and Keywords: Site Preparation and Pipework Fabrication for Domestic Plumbing and Heating Systems

i-ACT: Hand and Power Tools

- Cutting, Fixing and Fitting Hand Tools Used in Domestic Plumbing and Heating
- Measuring, Bending and Other Tools Used in Domestic Plumbing and Heating
- Power Tools Used in Domestic Plumbing and Heating

- Tools Used in Domestic Plumbing and Heating
- Identifying Tools Used in Domestic Plumbing and Heating
- Understanding Tools Used in Domestic Plumbing and Heating

i-ACT: Pipework Types and Their Jointing Methods

- Pipework Types and Their Jointing Principles
- Jointing Methods for Each Pipework Material
- Jointing Methods for Plastic Pipework Material
- Pipework Types, Grades and Uses
- Understanding Pipework Types, Grades and Their Uses
- Understanding Jointing Methods for Pipework Materials
- Different Types of Pipework and Their Functions

i-ACT: Types of Domestic and Plumbing Work Activities, and Site Preparation Requirements

- Communication with the Customer and Protecting the Customer's Property
- Types of Work Activities
- Communication with the Customer and Protecting the Customer's Property
- Types of Work Activity
- Work Activity Types and Site Preparation

i-ACT: Site Preparation Techniques and Storage of Materials and Equipment

- Site Preparation Techniques
- Storing Materials and Equipment
- Correct Storage and Site Preparation
- Correct Storage and Site Preparation

i-ACT: Using Clips and Brackets to Support Pipework and Components

- Clips and Clipping Distances
- Clips and Fixings
- Clips, Clipping Distances and Fixings
- Clips, Clipping Distances and Fixings

i-ACT: Soundness Testing

- Soundness Testing
- Soundness Testing
- Soundness Testing

i-Practice: Soundness Testing

- Soundness Testing (Training) Практикум-тренинг.
- Soundness Testing Практикум-контроль.

i-Practice: Connecting Pipework

- Connecting Pipework Using a Compression Elbow (Training) Практикум-тренинг.
- Connecting Pipework Using a Compression Elbow Практикум-контроль.
- Connecting Copper Pipework Using Capillary Fittings (Training) Практикум-тренинг.
- Connecting Copper Pipework Using Capillary Fittings Практикум-контроль.
- Connecting Plastic Pipework Using Push-fit Fittings (Training) Практикум-тренинг.
- Connecting Plastic Pipework Using Push-fit Fittings Практикум-контроль.
- Connecting Plastic Waste Pipework Using Solvent Weld Fittings (Training) Практикум-тренинг.
- Connecting Plastic Waste Pipework Using Solvent Weld Fittings Практикум-контроль.

i-Practice: Producing an Offset Bend Using a Bending Machine

- Producing an Offset Bend Using a Bending Machine (Training) Практикум-тренинг.
- Producing an Offset Bend Using a Bending Machine Практикум-контроль.

Cold Water Systems

Aims and Keywords

- Aims and Keywords: Cold Water Systems

i-ACT: Rainwater Cycle

- Key Stages in the Rainwater Cycle
- Water Treatment Process
- Understanding Water Supply Sources
- Features of the Water Treatment Process

i-ACT: Types of Cold Water System and Their Layout Requirements

- Cold Water Systems
- Factors and Protection of Backflow in Cold Water Systems
- Identifying and Understanding Pipework in Relation to Backflow
- Understanding Backflow and Backflow Prevention
- Types of Cold Water System and Their Layout Requirements

i-ACT: Taps and Valves Used in Cold Water Systems

- Cold Water System Taps and Valves
- Cold Water System Components
- Understanding Cold Water System Fittings
- Different Components Used in Cold Water Systems

i-ACT: Positioning, Fixing and Connecting New Cold Water Pipework to Outlets

- Connecting New Cold Water Outlets
- Fixing Requirements for Cold Water System Pipework
- Marking Out a Cold Water Storage Cistern
- Understanding Installation Requirements of Cold Water Systems
- Equipment Used in Installation of Cold Water Systems

i-ACT: Service and Maintenance Requirements of Cold Water Systems and Components

- Carrying Out Routine Checks on Cold Water System Components
- Procedures for Dealing with Defects in Cold Water Components and Pipework
- Understanding the Service Requirements of Cold Water Systems
- How to Deal with Defects in Cold Water Systems
- Understanding Procedures for Defects in Cold Water Components and Pipework

i-ACT: Decommissioning Process of Cold Water Systems and Components

- Decommissioning Process of Cold Water Systems and Components
- Decommissioning Process of Cold Water Systems and Components
- Decommissioning Process of Cold Water Systems and Components

i-Practice: Safely Using Access Equipment in the Building Services Industry

- Demonstrating the Safe Method of Assembly and Use of Ladders (Training) Практикум-тренинг.
- Demonstrating the Safe Method of Assembly and Use of Ladders Практикум-контроль.
- Demonstrating the Safe Method of Assembly and Use of Mobile Scaffolds (Training) Практикум-тренинг.

- Demonstrating the Safe Method of Assembly and Use of Mobile Scaffolds Практикум-контроль.
- i-Practice: Measuring, Marking and Drilling Plastic Storage Cisterns to Receive Pipework Connections**
 - Measuring, Marking and Drilling Plastic Storage Cisterns to Receive Pipework Connections (Training) Практикум-тренинг.
 - Measuring, Marking and Drilling Plastic Storage Cisterns to Receive Pipework Connections Практикум-контроль.
- i-Practice: Making Pipework Connections to Cold Water Storage Cisterns**
 - Making Pipework Connections to Cold Water Storage Cisterns (Training) Практикум-тренинг.
 - Making Pipework Connections to Cold Water Storage Cisterns Практикум-контроль.

Domestic Hot Water Systems

Aims and Keywords

- Aims and Keywords: Domestic Hot Water Systems
- i-ACT: Conventional and Water Heating Boilers**
 - Direct Hot Water Systems
 - Gravity and Pumped Indirect Systems
 - Direct Systems, Boilers and Immersion Heaters
 - Gravity and Pumped Indirect Systems
 - Identifying Direct and Indirect Systems
- i-ACT: Instant Water and Vented Heaters**
 - Identifying Instant Water Heaters
 - Identifying Vented Heaters
 - Understanding Instant Water Heaters
 - Understanding Vented Heaters
 - Instant Water and Vented Heaters
- i-ACT: Choosing a Hot Water System**
 - Choosing a Hot Water System
 - Choosing a Hot Water System
 - Choosing a Hot Water System
- i-ACT: Plastic Feed and Expansion Cisterns**
 - Plastic Feed and Expansion Cisterns
 - Components of Plastic Feed and Expansion Cisterns
 - Plastic Feed and Expansion Cisterns
- i-ACT: Temperature Control of Hot Water Systems**
 - Controlling the Temperature of Hot Water Systems
 - Identifying the Need for Temperature Control of Hot Water Systems
 - Understanding Temperature Control of Hot Water Systems
 - Controlling the Temperature of Hot Water Systems
- i-ACT: Unvented Hot Water Systems**
 - Components of an Unvented Hot Water System
 - Components of an Unvented Hot Water System
 - Components of an Unvented Hot Water System
- i-ACT: Decommissioning Process of Hot Water Systems and Components**
 - Decommissioning Process of Hot Water Systems and Components

- Techniques Required for Decommissioning Hot Water Systems and Components
- Requirements for Decommissioning Hot Water Systems and Components

i-Practice: Decommissioning Hot Water Systems and Components

- Decommissioning Hot Water Systems and Components (Training) Практикум-тренинг.
- Decommissioning Hot Water Systems and Components Практикум-контроль.

i-Practice: Soundness Testing of Hot Water Systems

- Soundness Testing of Hot Water Systems (Training) Практикум-тренинг.
- Soundness Testing of Hot Water Systems Практикум-контроль.

Domestic Central Heating Systems

Aims and Keywords

- Aims and Keywords: Domestic Central Heating Systems

i-ACT: Central Heating Systems

- Types of Space Heating Systems Used in Dwellings
- Purpose of Central Heating Systems Used in Dwellings
- Types of Space Heating Systems Used in Dwellings
- Understanding the Purpose of Central Heating Systems in Dwellings
- Differences Between Central Heating Systems in Dwellings

i-ACT: Working Principles of Basic Heating Systems

- Working Principles of Basic Heating Systems
- Working Principles of Basic Heating Systems
- The Working Principles of Basic Heating Systems

i-ACT: Working Principles of Fully Pumped Systems

- Components and Principles of Fully Pumped Systems
- Components and Principles of Fully Pumped Systems
- Components of Fully Pumped Systems
- Understanding Components and Principles of Fully Pumped Systems

i-ACT: Basics of Sealed Central Heating Systems

- Basics of Sealed Central Heating Systems
- Basics of Sealed Central Heating Systems
- Components of Sealed Central Heating Systems
- Basics of Sealed Central Heating Systems

i-ACT: System and Combination Boilers

- Working Principles of System and Combination Boilers
- Working Principles of System and Combination Boilers
- Working Principles of System and Combination Boilers

i-ACT: Filling and Venting Open Vented and Sealed Central Heating Systems

- Filling and Venting Open Vented and Sealed Central Heating Systems
- Filling and Venting Open Vented and Sealed Central Heating Systems
- Filling and Venting Open Vented and Sealed Central Heating Systems

i-ACT: Microbore Central Heating Systems

- Components and Working Principles of Microbore Central Heating Systems
- Components and Working Principles of Microbore Central Heating Systems
- Components and Working Principles of Microbore Central Heating Systems

i-ACT: Oil Fired Heat Producing Appliances

- Types and Working Principles of Oil Fired Heat Producing Appliances
- Types and Working Principles of Oil Fired Heat Producing Appliances
- Types and Working Principles of Oil Fired Heat Producing Appliances

i-ACT: Gas Fired Boilers

- Types and Working Principles of Gas Fired Boilers
- Types and Working Principles of Gas Fired Boilers
- Types and Working Principles of Gas Fired Boilers

i-ACT: Heat Emitters

- Types and Operating Principles of Heat Emitters
- Types and Operating Principles of Heat Emitters
- Types and Operating Principles of Heat Emitters

i-ACT: Pipework Types, Joints, Fixing Requirements and Considerations

- Pipework Fixing Requirements and Considerations
- Types of Piping and Joint Fittings
- Pipework Fixing Requirements and Considerations
- Types of Joint Fittings
- Types of Piping and Joint Fittings
- Pipework Types, Joints, Fixing Requirements and Considerations

i-ACT: Central Heating System Components

- Central Heating System Components
- Identifying Central Heating System Components
- Understanding Central Heating System Components
- Central Heating System Components

i-ACT: Routine Checks of a Central Heating System

- Routine Checks of a Central Heating System
- Routine Checks of a Central Heating System
- Routine Checks of a Central Heating System

i-ACT: Rectifying Defects in Central Heating Systems

- Rectifying Defects in Central Heating Systems
- Rectifying Defects in Central Heating Systems
- Rectifying Defects in Central Heating Systems

i-ACT: Decommissioning Process and the End User

- Planning, Communication and Precautions in Relation to the End User When Decommissioning
- Planning, Communication and Precautions in Relation to the End User When Decommissioning
- Planning, Communication and Precautions in Relation to the End User When Decommissioning

i-ACT: Filling and Soundness Testing Procedures

- Flushing, Filling and Testing the System
- Flushing, Filling and Testing the System
- Flushing, Filling and Testing the System

i-ACT: Repairing Defective Components and Pipework on Central Heating Systems

- Documents Outlining Repair and Replacement Requirements on Central Heating Systems
- Documents Outlining Repair and Replacement Requirements on Central Heating Systems

- Documents Outlining Repair and Replacement Requirements on Central Heating Systems
- i-Practice: Setting Up and Installing Radiators**
 - Setting Up and Installing Radiators (Training) Практикум-тренинг.
 - Setting Up and Installing Radiators Практикум-контроль.
- i-Practice: Positioning, Fixing and Connecting New Central Heating Pipework to Radiators**
 - Positioning, Fixing and Connecting New Central Heating Pipework to Radiators (Training) Практикум-тренинг.
 - Positioning, Fixing and Connecting New Central Heating Pipework to Radiators Практикум-контроль.
- i-Practice: Decommissioning a Combination Boiler**
 - Decommissioning a Combination Boiler (Training) Практикум-тренинг.
 - Decommissioning a Combination Boiler Практикум-контроль.
- i-Practice: Decommissioning a Vented Central Heating System**
 - Decommissioning a Vented Central Heating System (Training) Практикум-тренинг.
 - Decommissioning a Vented Central Heating System Практикум-контроль.
- i-Practice: Testing and Commissioning a Central Heating System**
 - Testing and Commissioning a Central Heating System (Training) Практикум-тренинг.
 - Testing and Commissioning a Central Heating System Практикум-контроль.

Domestic Rainwater and Above Ground Drainage Systems

Aims and Keywords

- Aims and Keywords: Domestic Rainwater and Above Ground Drainage Systems

i-ACT: Sanitary Pipework Systems

- Types of Sanitary Pipework Systems and System Layout Requirements
- Types of Sanitary Pipework Systems
- Sanitary Pipework System Layout Requirements
- Types of Sanitary Pipework Systems and System Layout Requirements

i-ACT: Sanitary Appliance and Pipework Installation

- Installation and Installation Requirements for Sanitary Appliances and Pipework Systems
- Installation and Installation Requirements for Sanitary Appliances and Pipework Systems
- Installation and Installation Requirements for Sanitary Appliances and Pipework Systems

i-ACT: Suitable Methods for Making New Plastic Pipework Connections to Existing Soil Waste Systems and Below Ground Drainage Systems

- Different Below Ground Drainage Systems
- Sanitary Connections to Existing Soil Waste Systems and the Components Used to Make Them
- Sanitary Connections to Existing Soil Waste Systems and the Components Used to Make Them and Different Below Ground Drainage Systems
- Understanding Sanitary Connections Made to Existing Soil Waste Systems and the Components Used to Make Them

i-ACT: Service and Maintenance Requirements of Sanitary Appliances and Connecting Pipework Systems

- Documentation and Maintenance Records for Working with Sanitary Appliances
- Tools and Components Used in Sanitary System Maintenance
- Dealing with Blockages
- Dealing with Defective Sanitary Systems
- Dealing with Defective Sanitary Systems and Maintenance Documentation

- Sanitary Components and Tools Used to Unblock Sanitary Systems
- Dealing with Defective Sanitary Systems and Maintenance Documentation
- i-ACT: Decommissioning Requirements of Sanitary Appliances and Connecting Pipework Systems**
 - Used Decommissioning Process
 - Used Decommissioning Process
 - Used Decommissioning Process
 - Used Terminology in the Decommissioning Process
- i-ACT: Testing Requirements of Sanitary Appliances and Connecting Pipework Systems**
 - Soundness Testing Equipment
 - Soundness and Performance Testing a Sanitary System
 - Air Testing Equipment
 - Soundness and Performance Testing a Sanitary System
 - Understanding How to Conduct a Soundness Test on a Sanitary System
- i-ACT: Gravity Rainwater Systems**
 - Rainwater Systems, Materials and Profiles
 - Rainwater Systems, Materials and Profiles
 - Understanding Gravity Rainwater Systems
 - Installing a Rainwater Gutter System
- i-ACT: Layout Requirements of Gravity Rainwater Systems**
 - Jointing Procedures for Different Types of Guttering
 - Guttering Components
 - Downpipe Components
 - Understanding Jointing and Components of Gravity Rainwater Systems
 - Guttering and Downpipe Components
- i-ACT: Gravity Rainwater System Maintenance**
 - Maintenance Requirements of Gravity Rainwater Systems
 - Maintenance Requirements of Gravity Rainwater Systems
 - Maintenance Requirements of Gravity Rainwater Systems
- i-Practice: Making Plastic Sanitary Pipework Connections from New Sanitary Appliances into Existing Sanitary Pipework Systems**
 - Making Plastic Sanitary Pipework Connections from New Sanitary Appliances into Existing Sanitary Pipework Systems (Training) Практикум-тренинг.
 - Making Plastic Sanitary Pipework Connections from New Sanitary Appliances into Existing Sanitary Pipework Systems 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: Inspecting and Testing Gravity Rainwater Systems to British Standards 12056 Part 3**
 - Inspecting and Testing Gravity Rainwater Systems to British Standards 12056 Part 3 (Training) Практикум-тренинг.
 - Inspecting and Testing Gravity Rainwater Systems to British Standards 12056 Part 3 Практикум-контроль.