

Constructing the build environment – Vocational – Level 1/2

Two-year course planner/outline scheme of work

https://www.wjec.co.uk/qualifications/constructing-the-built-environment-level-1-2/#tab_overview

Yr 10 - Autumn term 1				
Indicative Content				
Week	Lesson 1	Lesson 2	Links / Documents	Homework Task
1	Introduction to course, time plan and outline of content. Permission letters, requirement for overalls and PPE.	Introduction to Health & Safety element of course. Booklet and LOs for this unit. Introduction safety signs and types.	Safety signs introduction.pdf www.hse.gov.uk Unit 1 Health 7 Safety SIGNS	
2	Health & Safety responsibilities & legislation. HASAWA, RIDDOR Role of the HSE. Powers and purpose of HSE.	COSHH – Introduction and COSHH datasheets exercise.	Unit 1 booklet COSHH datasheets exercise. COSHH symbols worksheet	Identify hazardous substances around the house – draw hazard symbols.
3	PUWER Regulations.	PPE. Pyramid of hazard management. (PPE is least effective control measure.)	PUWER Worksheet	
4	Manual Handling Operations.	Working at heights. Asbestos	www.hse.gov.uk Online videos from HSE.	Research weights of common building materials.
5	Fire hazards. Fire extinguisher types. Fire triangle. Correct use of fire extinguisher.	Identifying hazards on and off site.	Youtube video – use of extinguishers.	
6	Risk assessment – how to and thinking about control measures.	Impact & effects of hazards. Security in Construction.	Chernobyl worksheet – write up as HSE inspector.	Research the Chernobyl disaster and write up short and long term impacts.

Two-year course planner/scheme of work

7	REVISION of Health & Safety topic.	END OF UNIT test & trial exam questions. Peer mark and feedback. Plan revision content for next ½ term.		
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Yr 10 - Autumn term 2				
Indicative Content				
Week	Lesson 1	Lesson 2	Links / Documents	Homework Task
1	Taught input – mortise joint cutting. Pupils complete a practice piece joint and repeat as necessary.	Continuation of practice joints. Planing exercise and/or application to practice work.	CAD Drawings for mortise joints.	
2	Application of mortise skills to marking out real parts for door structure.	Cutting mortise joints for door exercise.	CAD Drawings for door.	Write up process record with materials, tools and techniques used.
3	Continue and complete mortise joint cutting.	Assembly of completed door.	CAD drawings for door.	Write up process record with materials, tools and techniques used.
4	Marking out and cutting of infill panel. Rebate rear of door. Teacher to use router after pupils have completed setup.	Complete infill panel work ready to assemble into shaker style door.	CAD drawings for door.	Write up process record with materials, tools and techniques used.
5	Taught input – plane work. Sharpening, use and care.	Use plane to shape and smooth edges and faces of door.	CAD drawings for door.	Write up process record with materials, tools and techniques used.
6	Taught input – mitre work to create door frame.	Measuring, marking out, cutting of door frame.	CAD drawings for door.	Write up process record with materials, tools and techniques used.

Two-year course planner/scheme of work

7	Taught input – components of a door frame. Frame (correct part names), architrave and trim.	Assembly of door frame to suit door size constructed.	CAD drawings for door.	Write up process record with materials, tools and techniques used.
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Yr 10 - Spring Term 1				
Indicative Content				
Week	Lesson 1	Lesson 2	Links / Documents	Homework Task
1	Mock Exams	Mock Exams		
2	Mock Exams	Mock Exams		
3	Taught input – setting hinges. Pupils to practise on scrap wood.	Continue and repeat insetting of door hinges. Progress to own door if ready.	CAD drawings for door – inc. measurements.	Write up process record with materials, tools and techniques used.
4	Taught input – correct finishes for timber and their application. (Water based, gloss, varnish etc) Pupils create a 'sample board' of various finishes as though to show a client.	Pupils select 2 finishes for their door project and apply after appropriate preparation work.		Write up process record with materials, tools and techniques used.
5	Taught input – selecting materials for practical tasks. (Timber.) Checking for defects.	Write up pro-forma for timberwork skill section.	Writing frame - WOOD	
6	Taught input - Intro to electrical work. AC theory and common circuit types including ring, spur, lighting and fusing of circuits.	Labelling and drawing electrical layout diagrams.	Electrical layout diagrams.	

Two-year course planner/scheme of work

7	Taught input – preparing for construction tasks.	Writing up preparation section of Electrical and Wood work.	Preparation writing frame.	
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Yr 10 - Spring Term 2

Indicative Content				
Week	Lesson 1	Lesson 2	Links / Documents	Homework Task
1	Stages in building a house 1 -4	Area costing starter tasks / Maths cross-curricular	Stages in building 1 worksheet	
2	Stages in building a house 5 & 6	Areas and volume	Stages in building 2 worksheet Areas Volume.pptx	
3	Stages in building a house 7 & 8	Practical – SELECTED tasks.	Stages in building 3 worksheet	
4	Stages in building a house 9 & 10	CAD exercises – applying knowledge in technical specific drawings.	Stages in building 4 worksheet CAD Bungalow exercise.pptx	Stages in building a house Test 1
5	Stages in building a house 11 & 12	Sequencing materials.	Stages in building 5 worksheet MaterialsSequenceStarter.doc x	
6	Stages in building a house 13 & 14	Practical – SELECTED tasks.	Stages in building 6 worksheet	

Two-year course planner/scheme of work

7	Stages in building a house 15 & 16	Floor area exercises.	Stages in building 7 worksheet Floor construction.docx	
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Yr 10 - Summer Term 1

Indicative Content				
Week	Lesson 1	Lesson 2	Links / Documents	Homework Task
1	Stages in building a house 17 & 18	Practical – SELECTED tasks.	Stages in building 8 worksheet	Stages in building a house test 2
2	Stages in building a house 19 & 20	Practical – SELECTED tasks.	Stages in building 9 worksheet	
3	Stages in building a house 21 & 22 & 23	Practical – SELECTED tasks.	Stages in building 10 worksheet	Catch up – complete any outstanding worksheets.
4	Costing of Unit 1 tasks.	Presentation of costings.		
5	Roles and responsibilities in construction	Roles and responsibilities in construction		Real life costing of relevant project – e.g. bathroom revamp with stud wall.
6	Folder catch up and presentation	Folder catchup and presentation		
7	End of unit test	End of unit test assessment & feedback		

Two-year course planner/scheme of work

Yr 10 - Summer term 2				
Indicative Content				
Week	Lesson 1	Lesson 2	Links / Documents	Homework Task
1	Intro mini construction sample project	Sample project scope, costing and planning		Complete tasks and keep project diary.
2	Project planning, tools, equipment, costs, timing	Project planning, tools, equipment, costs, timing		Complete tasks and keep project diary.
3	Practical project work	Practical project work		Project diary
4	Practical project work	Practical project work		Project diary
5	Practical project work	Practical project work		Project diary
6	Evaluation and summary of project	Evaluation, assessment and summary.		
7	Activities week.	Activities week.		n/a

Two-year course planner/scheme of work

Year 11 - Autumn term 1				
Indicative Content				
Week	Lesson 1	Lesson 2	Links / Documents	Homework Task
1	Practical Skill 1 – Decorating (Papering)	Writing up planning, tools, process, safety and costing of practical work. (NB – Last ½ hour of double session only)	Writing frame / support presentations (Independent learning.)	n/a
2	Practical Skill 1 – Decorating (Papering)	Writing up planning, tools, process, safety and costing of practical work. (NB – Last ½ hour of double session only)	Writing frame / support presentations (Independent learning.)	n/a
3	Practical Skill 1 – Decorating (Painting)	Writing up planning, tools, process, safety and costing of practical work. (NB – Last ½ hour of double session only)	Writing frame / support presentations (Independent learning.)	n/a
4	Practical Skill 1 – Decorating (Painting)	Writing up planning, tools, process, safety and costing of practical work. (NB – Last ½ hour of double session only)	Writing frame / support presentations (Independent learning.)	n/a
5	Practical Skill 2 – Woodwork (Skirting boards)	Writing up planning, tools, process, safety and costing of practical work. (NB – Last ½ hour of double session only)	Writing frame / support presentations (Independent learning.)	n/a
6	Practical Skill 2 – Woodwork (Skirting boards)	Writing up planning, tools, process, safety and costing of practical work. (NB – Last ½ hour of double session only)	Writing frame / support presentations (Independent learning.)	n/a
7	Practical Skill combination – painting skirting boards and tidy up of visual appearance or assessment area.	Writing up planning, tools, process, safety and costing of practical work. (NB – Last ½ hour of double session only)	Writing frame / support presentations (Independent learning.)	n/a

Two-year course planner/scheme of work

Year 11 - Autumn term 2				
Indicative Content				
Week	Lesson 1	Lesson 2	Links / Documents	Homework Task
1	Practical skill 3 – Plumbing (Fresh water supply – copper)	Writing up planning, tools, process, safety and costing of practical work. (NB – Last ½ hour of double session only)	Writing frame / support presentations (Independent learning.)	Revision tasks
2	Practical skill 3 – Plumbing (Fresh water supply – copper)	Writing up planning, tools, process, safety and costing of practical work. (NB – Last ½ hour of double session only)	Writing frame / support presentations (Independent learning.)	Revision tasks
3	Practical skill 3 – Plumbing (Fresh water supply – copper)	Writing up planning, tools, process, safety and costing of practical work. (NB – Last ½ hour of double session only)	Writing frame / support presentations (Independent learning.)	Revision tasks
4	Practical skill 3 – Plumbing (Grey water – sink waste)	Writing up planning, tools, process, safety and costing of practical work. (NB – Last ½ hour of double session only)	Writing frame / support presentations (Independent learning.)	Revision tasks
5	Practical skill 3 – Plumbing (Grey water – sink waste)	Writing up planning, tools, process, safety and costing of practical work. (NB – Last ½ hour of double session only)	Writing frame / support presentations (Independent learning.)	Revision tasks
6	Practical skill 3 – Plumbing (Grey water – sink waste)	Writing up planning, tools, process, safety and costing of practical work. (NB – Last ½ hour of double session only)	Writing frame / support presentations (Independent learning.)	Revision tasks
7	Practical skill 3 – Plumbing (Wrap up, tidying and presentation)	Writing up planning, tools, process, safety and costing of practical work. (NB – Last ½ hour of double session only)	Writing frame / support presentations (Independent learning.)	Revision tasks

Two-year course planner/scheme of work

Year 11 - Spring term 1				
Indicative Content				
Week	Lesson 1	Lesson 2	Links / Documents	Homework Task
1	Mock Exams	Mock Exams		
2	Mock Exams	Mock Exams		
3	Practical skill 4 – Electrical (Socket ring-main, light fitting, switch, junction box)	Writing up planning, tools, process, safety and costing of practical work. (NB – Last ½ hour of double session only)	Writing frame / support presentations (Independent learning.)	Electrical theory
4	Practical skill 4 – Electrical (Socket ring-main, light fitting, switch, junction box)	Writing up planning, tools, process, safety and costing of practical work. (NB – Last ½ hour of double session only)	Writing frame / support presentations (Independent learning.)	Electrical regulations task
5	Practical skill 4 – Electrical (Socket ring-main, light fitting, switch, junction box)	Writing up planning, tools, process, safety and costing of practical work. (NB – Last ½ hour of double session only)	Writing frame / support presentations (Independent learning.)	Electrical regulations task
6	Practical skill 4 – Electrical (Socket ring-main, light fitting, switch, junction box)	Writing up planning, tools, process, safety and costing of practical work. (NB – Last ½ hour of double session only)	Writing frame / support presentations (Independent learning.)	Electrical regulations task
7	Practical skill 4 – Electrical (Socket ring-main, light fitting, switch, junction box)	Writing up planning, tools, process, safety and costing of practical work. (NB – Last ½ hour of double session only)	Writing frame / support presentations (Independent learning.)	Electrical regulations task

Two-year course planner/scheme of work

Year 11 - Spring term 2				
Indicative Content				
Week	Lesson 1	Lesson 2	Links / Documents	Homework Task
1	Revision – Unit 1	Practice exam questions	Tbc	Health & safety worksheets
2	Revision – Unit 1	Practice exam questions	Tbc	Security in construction worksheet
3	Revision – Unit 1	Practice exam questions	Tbc	Cyber security worksheet
4	Revision - Unit 3	Practice exam questions	Tbc	Costing worksheet
5	Revision - Unit 3	Practice exam questions	Tbc	Costing worksheet 2
6	Revision - Unit 3	Practice exam questions	Tbc	Roles & responsibilities worksheet
7	Practice exam questions.	Assessment and feedback on progress.		