


T Level TQs in Onsite Construction and Building Services Engineering – Curriculum Planning Webinar

T-LEVELS

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& Technical Education

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During the webinar



Please post any question in the question section, throughout the webinar and we will endeavour to answer them at the end



All attendees will be in listen only mode



Webinar resources and a CPD certificate will be sent out to all attendees following the webinar.

Agenda

- High level overview of the TQ of the T Level over two years
- High level overview of sequence of delivery over two years
- One and two year Curriculum Planner
- Examples of possible mapping and curriculum plan
- Example of what a weeks delivery could look like
- Q&A by subject expert



- Examples of a possible delivery planner
- Discussion on possible mapping from core and occupational specialism
- Teaching weeks and exam dates



- Individual centre timetabling
- Every occupational specialism
- Delivery and curriculum planning outside of the Technical Qualification E.G additional English and Maths
- Entry requirements
- Progression routes

** If you missed our previous T Level Familiarisation webinars, you can find the recordings and slide deck on our T Level events page [here](#).

Provider approval

In February, we're hosting our first webinar to support providers intending to apply to deliver T Level Technical Qualifications for first teaching in September 2022.

A follow-up webinar is planned for March to get you ready for the approval visits.

Resource Hub



Approval timeline



Approval information guide



T Level Provider Approval webinar:

All routes (1 of 2)

Date: Friday 04 February 2022

Time: 10.00–12.00 GMT

Register [here](#)

Preparing for the approval activity:

Construction, BSE and Engineering (2 of 2)

Date: Monday 01 March 2022

Time: 10.00–12.00 GMT

Register [here](#)

Management and Administration (2 of 2)

Date: Monday 01 March 2022

Time: 13.00–15.00 GMT

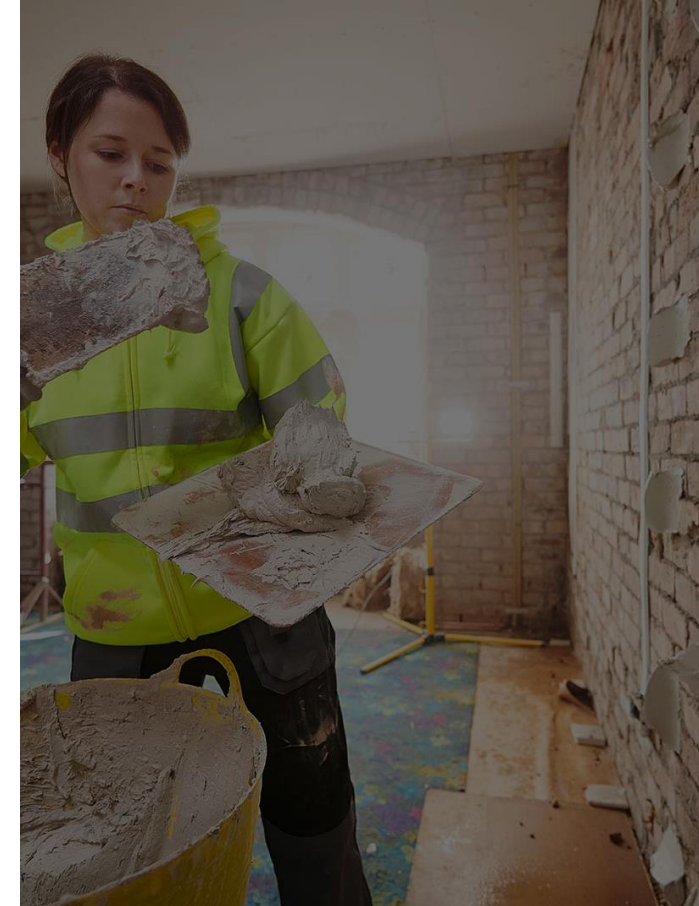
Register [here](#)

T Level Technical Qualifications

On-site construction	
8711 - 30	Core
8711 - 35	Bricklaying
8711 - 36	Carpentry and joinery
8711 - 37	Painting and decorating
8711 - 38	Plastering

Registration information-
Core first before OS

Building Services Engineering	
8710 - 30	Core
8710 - 32	Electrical and electronic equipment engineering
8710 - 33	Electrotechnical engineering
8710 - 34	Gas engineering
8710 - 35	Plumbing and heating engineering
8710 - 36	Heating engineering and ventilation
8710 - 37	Protection systems engineering
8710 - 38	Air conditioning and Refrigeration engineering
8710 - 32	Electrical and electronic equipment engineering



Guided Learning Hours

Onsite Construction and Building Service Engineering								
Onsite Construction Carpentry & Joinery			BSE Electrotechnical Engineering			BSE Plumbing & Heating		
Core (GLH)	OS (GLH)	IP (Hours)	Core (GLH)	OS Stand Alone (GLH)	IP (Hours)	Core (GLH)	OS Combination (GLH)	IP (Hours)
400	600	315	520	650	315	520	840	315
1315+EEP			1485+EEP			1675+EEP		

Core Learning Outcomes

On-Site Construction Core	Building Services Engineering Core
1. Health and safety	1. Health and safety
2. Science	2. Science
3. Design	3. Design
4. Construction & the built environment industry	4. Construction and the built environment industry
5. Sustainability	5. Sustainability
6. Measurement	6 Measurement
7. Building technology	7. Building technology
8. Information and data	8. Information and data
9. Relationship management	9. Relationship management
10. Digital technology	10. Digital technology
11. Commercial/business	11 Commercial/business
	12. Building Services Engineering (BSE) systems
	13. Maintenance principles
	14. Tools, equipment and materials

Key Date Schedule- 2023

Summer 2023 assessment series/results

Onsite Construction Occupational Specialisms	6 February 2023 – 19 May 2023
8711-033 Onsite Construction Employer Set Project (ESP)	3 April 2023 – 12 May 2023
8711-031 Onsite Construction Paper 1	13 June 2023* 09:30 – 11:30
8711-032 Onsite Construction Paper 2	20 June 2023* 09:30 – 11:30
Restricted release of TQ component results data to centres	16 August 2023
Release of results from centres to students	17 August 2023
Deadline for 'review of marking/moderation' requests	21 September 2023
Deadline for appeals submissions	30 calendar days from outcome of review of marking/markings

***Provisional until after General Qualifications (GQs) exam dates confirmed**



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Mapping and example delivery model- Onsite

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Start your career in Onsite Construction
with a T Level

Overview of the Technical Qualification

To achieve the T Level Technical Qualification in Onsite Construction you'll need to complete the two components of the TQ. These are known as the core component and the occupational specialism. You'll have the choice of studying one standalone occupational specialism alongside the core component:

Core

(Assessed by two externally set and marked exams and an employer set project)



Onsite Construction

Group B Combination Occupational Specialisms:

(Assessed by an externally set and moderated practical synoptic assignment)



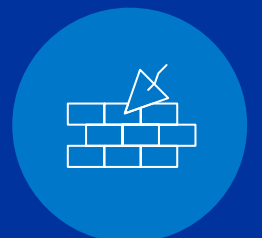
Carpentry & joinery



Plastering



Painting & decorating



Bricklaying

Core and OS Mapping (C&J)

	Construction Core	OS C&J Knowledge Criteria
Year 1	1. Health and safety	Health and Safety 1.1-1.3
	2. Science	
	3. Design	
	4. Construction & the built environment industry	
	5. Sustainability	Wood Science 1.9-1.13
	6. Measurement	Maths 1.16
	7. Building technology	
	8. Information and data	
	9. Relationship management	
	10. Digital technology	
	11. Commercial/business	
Year 1 & 2		Tools and Equipment 1.4-1.8
		Fixings and Ironmongery 1.14-1.15
		Prepare for the production of complex timber-based products and structures components 1.17
		Produce complex timber-based components 1.18-1.19
		Assemble complex timber - based products and components 1.20-1.23
		Install complex timber-based products into complex structures 1.24-1.27
		Prepare for the production of complex timber-based building products and structures 2.1-2.11
		Produce complex timber-based components 3.1-3.10
		Assemble complex timber-based components 4.1-4.7
		Install complex timber-based products into complex structures 5.1-5.10

Key for Deliver/Curriculum Planners (On-Site Carpentry and Joinery)

Induction
Core Component - 300 (400 GLH)
External Theory Exams x2 (2 hours each)
Employer Set Project (17 Hours)
Revision/Recap/Prep (Formative Assessments)-Core Component
Occupational Specialism- Carpentry & Joinery-306 (600 GLH)
Synoptic Practical Assessment-(27 hours) One Series Annually
Preparation for Practical Synoptic (Formative Assessments)
Industry Placement (315 Hours/45 Days)

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Adaptable delivery plan for T Level Onsite Carpentry & Joinery Curriculum Plan

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Mapping and example delivery model- BSE

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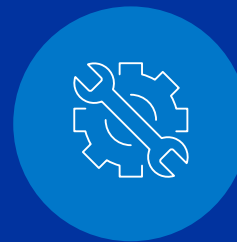
Start your career in Building Services Engineering with a T Level

Overview of the Technical Qualification

To achieve the T Level Technical Qualification in Building Services Engineering (BSE) for Construction you'll need to complete the two components of the TQ. These are known as the core component and the occupational specialism. You'll have the choice of studying one standalone occupational specialism or a combination of specialisms as listed below:

Core

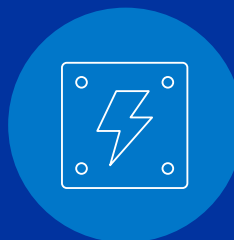
(Assessed by two externally set and marked exams and an employer set project)



Building Services Engineering

Group A Standalone Occupational Specialisms:

Occupational Specialism, either grouped (bottom set) or single (top set) (Which is assessed by a practical assignment for each Occupational Specialism)



Electrotechnical engineering



Electrical and Electronic equipment engineering



Protection system engineering



Gas engineering

Group B Combination Occupational Specialisms:



Plumbing engineering



Heating engineering



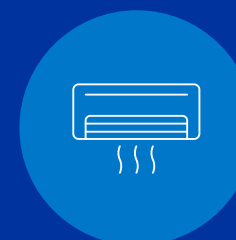
Heating engineering



Ventilation



Refrigeration engineering



Air condition engineering

Core and OS Mapping (Plumbing & Heating)

	Construction Core	OS Plumbing Knowledge Criteria	OS- Heating- Knowledge Criteria
Year 1	1. Health and safety	Health and Safety 1.1-1.3	Health and Safety 1.1-1.3 Regulation, legislation and industry guidance 1.18
	2. Science		
	3. Design		
	4. Construction and the built environment industry		
	5. Sustainability		
	6 Measurement	Measurement 1.22	
	7. Building technology		
	8. Information and data	Information and Data 1.20-1.21	
	9. Relationship management		
	10. Digital technology		
	11 Commercial/business		
	12. Building Services Engineering (BSE) systems	Plumbing Systems 1.5-1.12	Heating Systems 1.4-1.9
	13. Maintenance principles		
	14. Tools, equipment and materials	Tools, equipment and materials 1.3-1.4	Tools, equipment and materials 1.2-1.3
Year 1 & 2		Plumbing Science 1.13-1.17	Heating engineering science 1.10-1.13
		Pipework Technology 1.18-1.19	Pipework Technology 1.14-1.17
		System Installation 1.23-1.25	System Installation 1.19-1.20
		System Commissioning 1.26-1.30	System Commissioning 1.21-1.23
		System Maintenance 1.31-1.34	System Maintenance 1.24-1.26
		System Decommissioning 1.35-1.39	System Decommissioning 1.27-1.28

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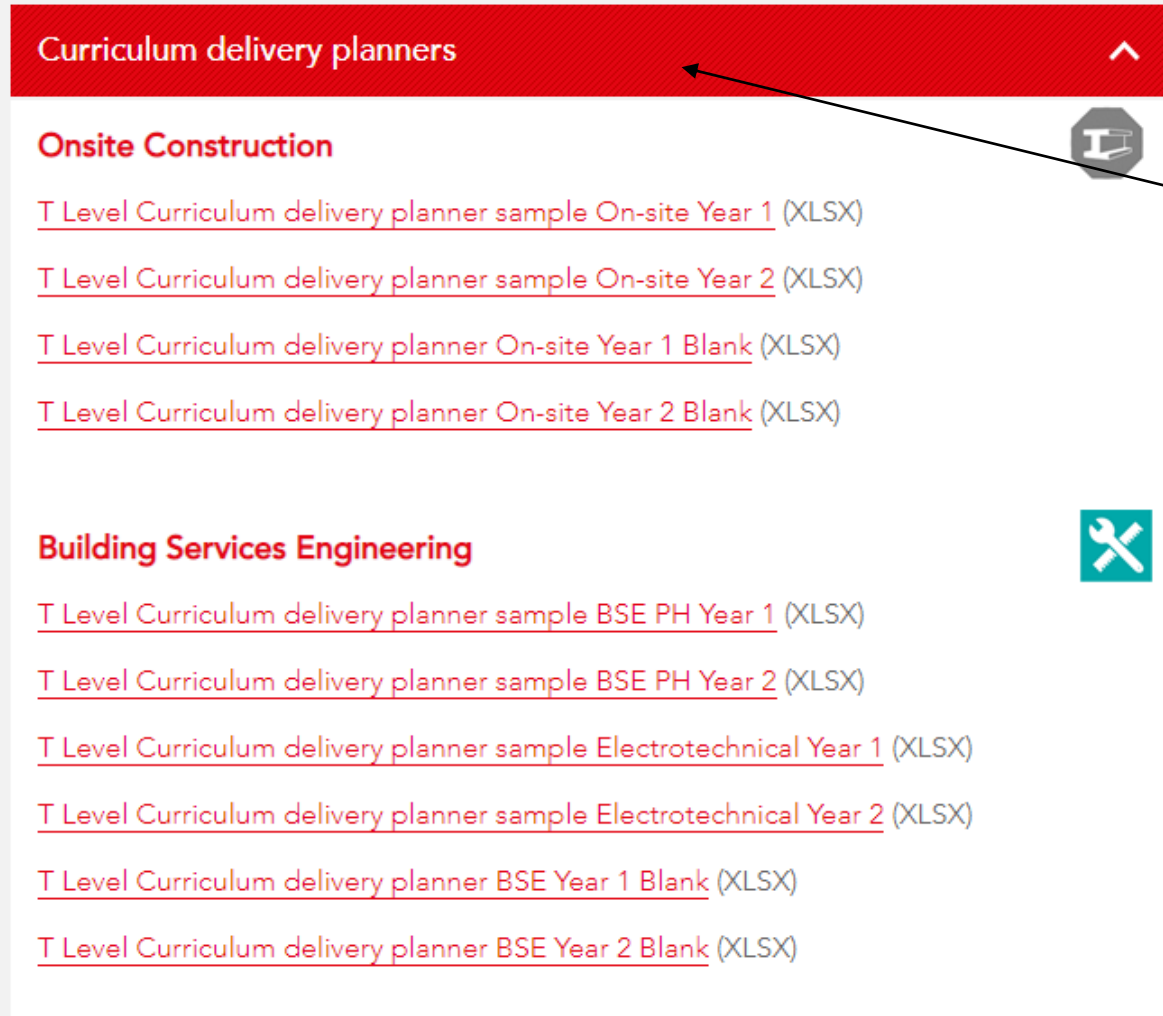
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Where are the delivery planners located

<https://www.cityandguilds.com/tlevels/resources>



The screenshot shows a webpage with a red header bar containing the text "Curriculum delivery planners" and an upward-pointing arrow icon. Below the header, there are two main sections: "Onsite Construction" and "Building Services Engineering". Each section has a list of links to curriculum delivery planner samples and blank templates for Year 1 and Year 2. The "Onsite Construction" section is accompanied by a grey icon of a building, and the "Building Services Engineering" section is accompanied by a teal icon of a wrench and screwdriver.

Curriculum delivery planners

Onsite Construction

- [T Level Curriculum delivery planner sample On-site Year 1 \(XLSX\)](#)
- [T Level Curriculum delivery planner sample On-site Year 2 \(XLSX\)](#)
- [T Level Curriculum delivery planner On-site Year 1 Blank \(XLSX\)](#)
- [T Level Curriculum delivery planner On-site Year 2 Blank \(XLSX\)](#)

Building Services Engineering

- [T Level Curriculum delivery planner sample BSE PH Year 1 \(XLSX\)](#)
- [T Level Curriculum delivery planner sample BSE PH Year 2 \(XLSX\)](#)
- [T Level Curriculum delivery planner sample Electrotechnical Year 1 \(XLSX\)](#)
- [T Level Curriculum delivery planner sample Electrotechnical Year 2 \(XLSX\)](#)
- [T Level Curriculum delivery planner BSE Year 1 Blank \(XLSX\)](#)
- [T Level Curriculum delivery planner BSE Year 2 Blank \(XLSX\)](#)

On the link above click the accordion Curriculum delivery planners


Example timetable

This timetable is a guide based on an average T Level delivered programme. Adaptions and alterations may be required to accommodate combined OS delivery contained within the BSE T Level.

PROGRAMME	BSE/Onsite Construction T Level Year 1								
	9	10	11	12	1	2	3	4	5
Monday	Industry Placement Opportunity (This can be substituted for any day of the week as required)								8 Hours
Tuesday	*Core		*Core	Lunch	*Core		*Core/OS		6 Hours
Wednesday	*Core		*Core	Lunch	OS		OS		6 Hours
Thursday	Pastoral Support		Pastoral Support	Lunch	*Core		*Core		6 Hours (3 Hours T Level)
Friday	Self-Study Time		*Core	Lunch	OS		OS		6.5 Hours (5 Hours T Level)
									20 Hours (Core/OS)

*Each Core session could cover a different underpinning knowledge outcome from the core component, as opposed to the same knowledge outcome delivered across the week.

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Assessment Methods

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Assessment methods for the core

Construction On-Site

Technical Qualification Scheme of Assessment overview

Core Component – Learners must complete all assessment components

Assessment component	Method	Duration	Marks	Weighting	Marking	Grading
Exam paper 1	Externally set exam	2 hours	90	35%	Externally marked	This component will be awarded on the grade scale A* - E
Exam paper 2	Externally set exam	2 hours	90	35%	Externally marked	
Employer set project	Externally set project	17 hours	100	30%	Externally marked	

BSE

Core Component – Learners must complete all assessment components

Assessment component	Method	Duration	Marks	Weighting	Marking	Grading
Exam paper 1	Externally set exam	2.5 hours	110	35%	Externally marked	This component will be awarded on the grade scale A* - E
Exam paper 2	Externally set exam	2.5 hours	110	35%	Externally marked	
Employer-set project	Externally set project	17 hours	100	30%	Externally marked	

Assessment methods for the specialism

Construction On-Site

Occupational Specialism Component - Learners must complete one assessment component						
Assessment component (number)	Method	Duration	Marks	Weighting	Marking	Grading
Bricklaying (305)	Externally set assignment	24 hours	90	100%	Externally moderated	All occupational specialism components will be awarded on the grade scale P, M, D
Carpentry and Joinery (306)	Externally set assignment	27 hours	90	100%	Externally moderated	
Painting and Decorating (307)	Externally set assignment	27 hours	90	100%	Externally moderated	
Plastering (308)	Externally set assignment	26 hours	90	100%	Externally moderated	

Assessment methods for the specialism

BSE standalone specialism


Occupational Specialism Component - Learners must complete one assessment component from the below						
Assessment component (number)	Method	Duration	Marks	Weighting	Marking	Grading
Electrotechnical engineering (353)	Externally set assignment	24 hours	90	100%	Externally moderated	All occupational specialism components will be awarded on the grade scale P, M, D
Electrical and electronic equipment (352)	Externally set assignment	16 hours	90	100%	Externally moderated	
Protection systems engineering (357)	Externally set assignment	15 hours	90	100%	Externally moderated	
Gas engineering (354)	Externally set assignment	24 hours	90	100%	Externally moderated	

Assessment methods for the specialism

BSE paired specialism (2 x synoptic assignments)

Occupational Specialism Component* – Learners must complete both assessment components from one of the combinations below						
Assessment component	Method	Duration	Marks	Weighting	Marking	Grading
Plumbing and Heating engineering						
Plumbing engineering (356)	Externally set assignment	21 hours	90	100%	Externally moderated	All occupational specialism components will be awarded on the grade scale P, M, D
Heating engineering (355)	Externally set assignment	20 hours	90	100%	Externally moderated	
Heating engineering and Ventilation						
Ventilation (359)	Externally set assignment	20 hours	90	100%	Externally moderated	All occupational specialism components will be awarded on the grade scale P, M, D
Heating engineering (355)	Externally set assignment	20 hours	90	100%	Externally moderated	

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Don't miss out...

Sign up for T Level information

To ensure you receive all the latest information and updates regarding the Construction On-Site and BSE T Levels including our events, networks and webinars sign up via the link below adding your details into the relevant areas on the webpage.

<https://www.cityandguilds.com/tlevels/construction-bse>

Sign up here to receive emails with the latest T Levels information

Contact details

First Name *

Last Name *

Job Role *

Email *

Telephone Number *

Next

Paid for resources: supporting delivery with Hodder Education

Hodder Education Resources

Publishing details for the two books are as follows:

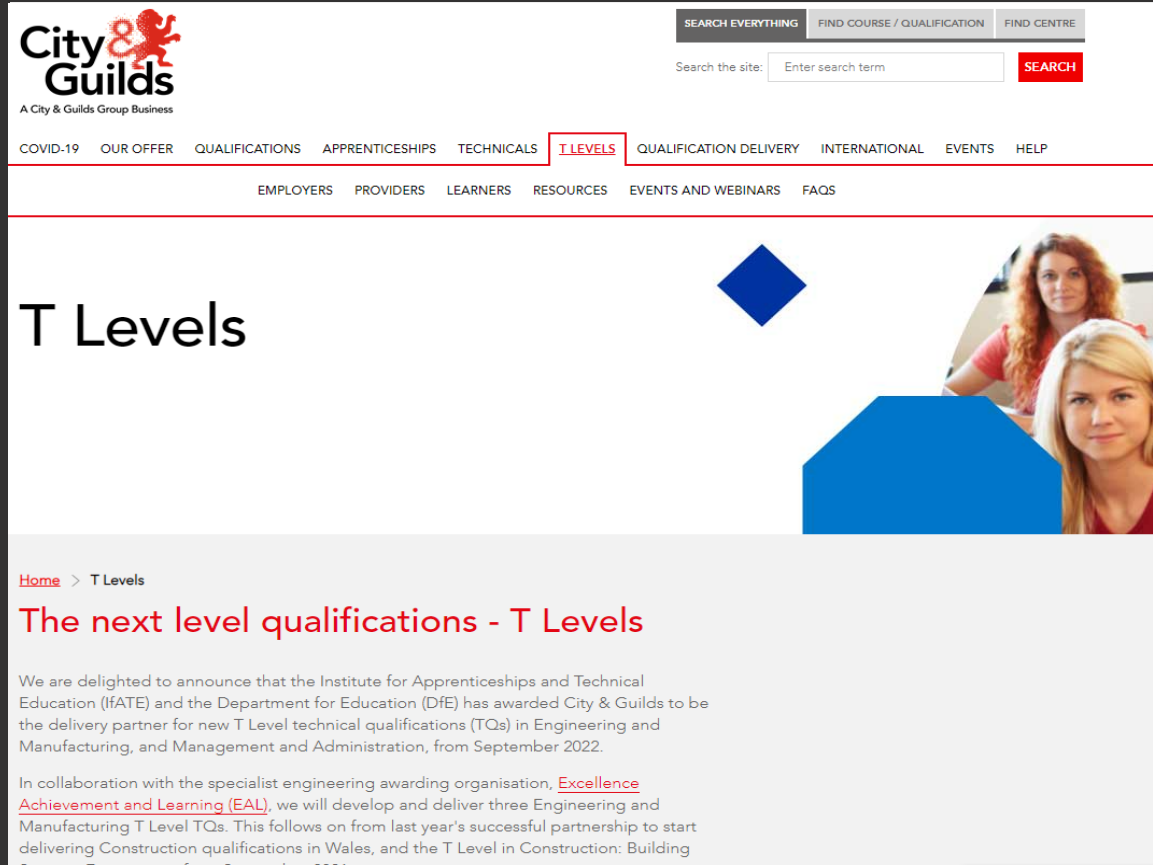
Building Services Engineering for Construction T Level: Core (9781398332874, Spring 2022, 416 pp, £34)

On-site Construction T Level: Core (9781398332904, Spring 2022, 320 pp, £34)

Mapping grids: Current Hodder trade textbooks to Occupational Specialisms. Accessed here.

[Hodder T Level webpage](#)





Support and Guidance

Ready to Support eligible providers and stakeholder engagement

- Delivery Resources
- Updated webpage for T Levels
- Timeline
- Planning and delivery resources
- Provider focus groups
- Employer Industry Boards
- e-bulletins
- Draft specification
- Dedicated Technical Advisors

<https://www.cityandguilds.com/tlevels/providers>

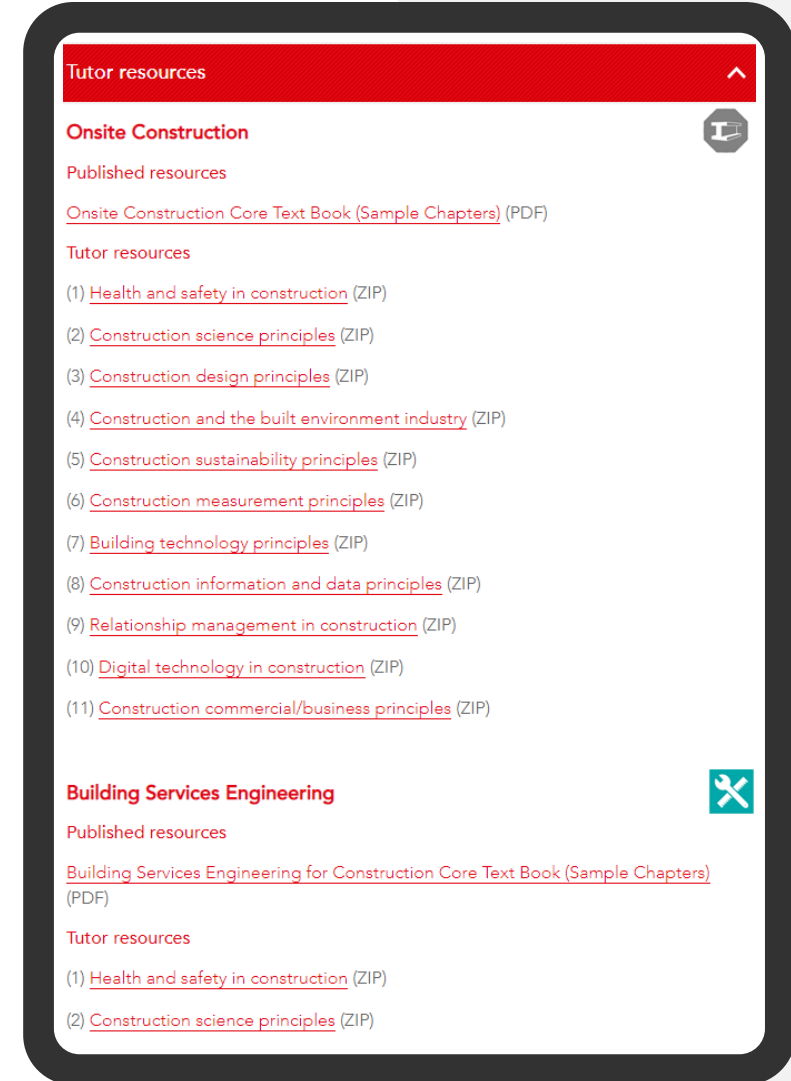
Free Tutor Resources

Content

- Schemes of Work
- Lesson Plans
- PowerPoints
- Learner Activities and Worksheets
- MCQ Assessment

Location link-

<https://www.cityandguilds.com/tlevels/resources>



Associate Vacancies

We have a variety of contracted associate vacancies currently advertised that may be of interest to you, such as:

- TQAs (Technical Qualification Associates)
- Moderators/ Principal Moderators
- Examiners and Assured consultants
- IEPAs (Independent End Point Assessors)

For more information please visit our associate vacancies webpage - [Associate Vacancies | City & Guilds Group Careers \(cityandguildsgroup.com\)](https://cityandguildsgroup.com/careers/associate-vacancies)

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Associate Vacancies

There are a variety of contracted associate roles you may wish to apply for, such as Lead and Independent End-Point Assessors, External Quality Assurers, Moderators, Roles with our T Level Qualifications (Moderators, Principal Moderators, Technical Qualification Associates) Examiners and Assured Consultants.

New roles are added to this site, therefore do visit regularly to see new opportunities as they become available. Find out more about the current opportunities and how to apply. The roles are very different, therefore do read the guidance for each to support your application.

We believe that diversity and inclusion strengthens and enriches us, and that it is the responsibility of everyone at the City & Guilds Group to drive this value. We work hard to be inclusive in our approach to recruitment and associate opportunities, whilst still ensuring we meet our regulatory requirements. We strongly encourage and welcome applications from diverse and underrepresented communities.

[Home](#)[Associate Vacancies](#)[Apply](#)[Independent End-point Assessors](#)[T Level Roles](#)[Moderators](#)[External Quality Assurers \(EQAs\)](#)

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Thank you

January 2022

Let us know your feedback-

<https://forms.office.com/r/crvZbcvthD>



About City & Guilds

Founded in 1878 to develop the knowledge, skills, and behaviours needed to help businesses thrive, we offer a broad and imaginative range of products and services that help people achieve their potential through work-based learning. We believe in a world where people and organisations have the confidence and capabilities to prosper, today and in the future. So we work with likeminded partners to develop the skills that industries demand across the world.

About EAL

EAL is the specialist awarding organisation for engineering and manufacturing [qualifications and apprenticeships](#). We invest in the industries we serve and the careers of those within them. Our unrivalled understanding of employer skills needs stems from decades of experience forging industry partnerships. That's why employers trust our skills solutions to deliver real career benefits for learners.

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