



NEW

**TECHNICAL QUALIFICATIONS
IN CONSTRUCTION**

NOVEMBER 2016

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CHALLENGES AND OPPORTUNITIES

IN CONSTRUCTION

Planned Government investment of **£379 - £466 billion** by **2030** through the National Infrastructure Plan 2013.

Employment expected to grow over next 5 yrs from **2.48 to 2.75 million**

Annual increase in construction output of **2.9%** and employment growth **1.4% (224,000+)** over the next **5 yrs.**

Apprenticeship numbers have dropped from 20,000 to 13,000

**EMPLOYMENT
TO GROW TO
2.75 MILLION
IN NEXT 5
YEARS**

MEETING THE CHALLENGE

WITH THE CITY & GUILDS TECHBAC

TechBac is a unique combination of:

TECHNICAL SKILLS



WORKPLACE SKILLS

New employer recognised City & Guilds Technical Qualifications;

- Designed to meet the latest education reforms
- Relevant to industry needs
- Rigorous, high quality practical learning with outcomes in mind
- Supporting progress to Further Education, University or employment

City & Guilds Workplace Skills is a blended approach to developing transferable and social skills;

- Develop, accredit and showcase workplace skills, to enrich learners' CVs
- Help learners to feel confident and ready for work
- Track learner engagement and progress to optimise performance
- Aligned to changes in policy and digital delivery
- Support to embed in delivery

To create, recognise and award these attributes and behaviours, we have developed the **Skills Zone**, our gateway to Workplace Skills.

ROUNDED INDIVIDUAL WHO IS:

CONFIDENT, TALENTED, MOTIVATED AND READY TO WORK

THE TECHBAC EXPERIENCE

A HOLISTIC PROGRAMME DESIGNED FOR SUCCESS

KNOWLEDGE & UNDERSTANDING



Technical Skills
Practical learning
(Technical Qualifications)

HANDS-ON EXPERIENCES



Professional Skills
Blended social learning
(Workplace Skills)

ASSESSMENT & CREDENTIALING



- Open badges
- Digital credentialing
- Certified qualification assessments

Branded outcome
TechBac certificate

Online CV
Share and showcase

OUTCOME



Targeted skills
Opening doors
to university,
apprenticeships
or into a job

Work ready
With the skills
employers need

A holistic and experiential approach making young people more employable.

**NEW TECHNICAL
QUALIFICATIONS
IN CONSTRUCTION**

Built to meet industry needs.

EMPLOYER SUPPORT

DESIGNED WITH LEADING EMPLOYERS

The following employers have provided letters of support for our new technical qualifications in Construction:



KS4 WHAT'S AVAILABLE AND WHEN?

KEY STAGE 4: AVAILABLE FOR SEPT 2016 DELIVERY

Key Stage 4 (KS4) - Level 2

- 6720-22: (601/7246/0) Level 2 Technical Award in [Designing and Planning](#) the Built Environment

Now approved to appear on 2018 DfE Performance Tables.

KEY STAGE 4 (14–16) (LEVEL 2) TECHNICAL AWARDS

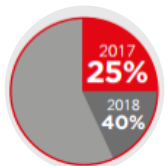


120 GLH (1 x GCSE)
Made up of 30, 60 GLH units

Progression: Provide the foundation for learners to progress to a broad range of academic and vocational qualifications post-16

GRADING: P/M/D/D*

Content: Breadth and depth of study; must not focus on particular occupation



Assessment: 40% of the qualification content will be assessed externally. Must include synoptic assessment.

KS5 WHAT'S AVAILABLE AND WHEN?

KEY STAGE 5, LEVEL 2 - AVAILABLE FOR SEPT 2016 DELIVERY

QAN	TITLE	GLHs
601/1285/2	City & Guilds Level 2 Diploma in Shopfitting Joinery (QCF)	380
600/8047/4	City & Guilds Level 2 Diploma in Site Carpentry (QCF)	452
600/9067/4	City & Guilds Level 2 Extended Diploma in Site Carpentry (QCF)	750
600/8051/6	City & Guilds Level 2 Diploma in Plastering (QCF)	521
600/9233/6	City & Guilds Level 2 Extended Diploma in Plastering (QCF)	858
600/8584/8	City & Guilds Level 2 Diploma in Painting and Decorating (QCF)	445
600/9224/5	City & Guilds Level 2 Extended Diploma in Painting and Decorating (QCF)	777
601/3612/1	City & Guilds Level 2 Diploma in Stonemasonry (QCF)	459
601/3786/1	City & Guilds Level 2 Diploma in Dry Lining (QCF)	440
601/3191/3	City & Guilds Level 2 Diploma in Craft Masonry (QCF)	460
600/8049/8	City & Guilds Level 2 Diploma in Maintenance Operations (Construction) (QCF)	469
600/8054/1	City & Guilds Level 2 Certificate in Construction Operations – General Construction (QCF)	314

Now approved to appear on 2018 DfE Performance Tables.

KS5 WHAT'S AVAILABLE AND WHEN?

KEY STAGE 5, LEVEL 2 - AVAILABLE FOR SEPT 2016 DELIVERY

QAN	TITLE	GLHs
600/7913/7	City & Guilds Level 2 Diploma in Bricklaying (QCF)	448
600/9509/X	City & Guilds Level 2 Extended Diploma in Bricklaying (QCF)	760
600/8048/6	City & Guilds Level 2 Diploma in Bench Joinery (QCF)	435
600/9068/6	City & Guilds Level 2 Extended Diploma in Bench Joinery (QCF)	733
601/7245/9	City & Guilds Level 2 Technical Award in Constructing and Maintaining the Built Environment	150

Now approved to appear on 2018 DfE Performance Tables.

KS5 LEVEL 2 DESIGN PRINCIPLES

EFFECTIVE FROM SEPTEMBER 2017

KEY STAGE 5 (16 - 18) (L2) TECHNICAL CERTIFICATES

360 GLH, 450 GLH
Made up of 30, 60 GLH units

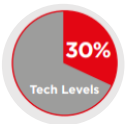
Progression: Enable entry to an apprenticeship, employment or progression to a Level 3 Technical Level Qualification.

GRADING: P/M/D/D*

UCAS points: n/a

Mandatory content and the contribution to overall grade must make up **at least 40%** of the qualification. Where qualifications have one or more pathway, the mandatory content (%) should apply equally to these.

Assessment: A proportion of the qualification content will be assessed externally (**minimum 25% for TCs and 30% Tech Level**). Must also include synoptic assessment.



Employer involvement: in design, recognition, delivery and or assessment, which raises the credibility of the qualification in the eyes of employers, parents and learners

KS5 WHAT'S AVAILABLE AND WHEN?

KEY STAGE 5, LEVEL 3 AVAILABLE FOR SEPT 2016 DELIVERY

Key Stage 5 - Level 3

- 7905-30 (601/7236/8) Level 3 Advanced Technical Diploma in [Bricklaying](#) (450GLH)
- 7906-30 (601/7418/3) Level 3 Advanced Technical Diploma in [Site Carpentry](#) (450GLH)
- 7906-31 (601/7419/5) Level 3 Advanced Technical Diploma in [Architectural Joinery](#) (450GLH)
- 7907-30 (601/7420/1) Level 3 Advanced Technical Diploma in [Painting and Decorating](#) (450GLH)
- 7908-30 (601/7417/1) Level 3 Advanced Technical Diploma in [Plastering](#) (450GLH)
- 6720-30 (601/4510/9) Level 3 Advanced Technical Certificate in Constructing the Built Environment (360 GLH)

Now approved to appear on 2018 DfE Performance Tables.

KS5 LEVEL 3 DESIGN PRINCIPLES

IN LINE WITH DFE QUALIFICATION CHANGES IN ENGLAND

KEY STAGE 5 (16 - 18) (L3) TECH LEVELS

360 GLH, 450 GLH, 540 GLH, 720 GLH, 1080 GLH
Made up of 30, 60, 90 GLH units

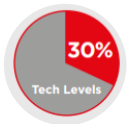
Progression: Enable entry to an apprenticeship or other employment, or progression to a related higher education course.

GRADING: P/M/D/D*

UCAS points: 16 min – 168 max

Mandatory content and the contribution to overall grade must make up **at least 40%** of the qualification. Where qualifications have one or more pathway, the mandatory content (%) should apply equally to these.

Assessment: A proportion of the qualification content will be assessed externally (**minimum 25% for TCs and 30% Tech Level**). Must also include synoptic assessment.



Employer involvement: in design, recognition, delivery and or assessment, which raises the credibility of the qualification in the eyes of employers, parents and learners

KS5 WHAT'S AVAILABLE AND WHEN?

KEY STAGE 5, LEVEL 3 AVAILABLE FOR SEPT 2016 DELIVERY

Key Stage 5 - Level 3

- 6720-30 (601/4510/9) Level 3 Advanced Technical Certificate in Constructing the Built Environment (360 GLH)
- 6720-32 (601/4509/2) Level 3 Advanced Technical Diploma in Constructing the Built Environment (540 GLH)
- 6720-31 (601/4508/0) Level 3 Advanced Technical Extended Diploma in Constructing the Built Environment (720 GLH)
- 6720-33 (601/5640/5) Level 3 Advanced Technical Extended Diploma in Constructing the Built Environment (1080 GLH)

Now approved to appear on 2018 DfE Performance Tables.

UCAS POINTS

ENABLING PROGRESSION TO UNIVERSITY

Grade	Level 3 Advanced Technical Certificate (360)	Level 3 Advanced Technical Diploma (450)	Level 3 Advanced Technical Diploma (540)	Level 3 Advanced Extended Technical Diploma (720)	Level 3 Advanced Technical Extended Diploma (1080)
Distinction*	56	56	84	112	168
Distinction	48	48	72	96	144
Merit	32	32	48	64	96
Pass	16	16	24	32	48

Grade	Level 3 Advanced Extended Project Qualifications	Using And Applying Mathematics (Core Maths)
A*	28	
A	24	20
B	20	16
C	16	12
D	12	10
E	8	6

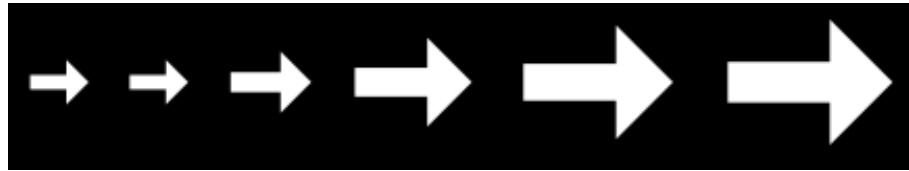
A Level equivalent points

UCAS points	A Level
56	A*
48	A
40	B
32	C
24	D
16	E

- ✓ Adding Core Maths at Level 3 makes TechBac compliant with the Government's new technical baccalaureate measure.
- ✓ Funding uplift may apply

UPCOMING TECHNICAL DEVELOPMENTS

COMING SOON



Construction Level 2 KS5 developments for first teaching in 2017*:

- Technical Certificate in Bricklaying
- Technical Certificate in Site Carpentry
- Technical Certificate in Architectural Joinery
- Technical Certificate in Painting and Decorating
- Technical Certificate in Plastering

*Subject to DfE approval, December 2016

KS5 LEVEL 2 DESIGN PRINCIPLES

IN LINE WITH DFE QUALIFICATION CHANGES IN ENGLAND

KEY STAGE 5 (16 - 18) (L2) TECHNICAL CERTIFICATES

360 GLH, 450 GLH
Made up of 30, 60 GLH units

Progression: Enable entry to an apprenticeship, employment or progression to a Level 3 Technical Level Qualification.

GRADING: P/M/D/D*

UCAS points: n/a

Mandatory content and the contribution to overall grade must make up **at least 40%** of the qualification. Where qualifications have one or more pathway, the mandatory content (%) should apply equally to these.

Assessment: A proportion of the qualification content will be assessed externally (**minimum 25% for TCs and 30% Tech Level**). Must also include synoptic assessment.



Employer involvement: in design, recognition, delivery and or assessment, which raises the credibility of the qualification in the eyes of employers, parents and learners

NEW TECHNICAL QUALIFICATIONS ASSESSMENT

Timeframes, support and examples.

CURRENT TIMELINE AND ASSESSMENT DATES

KS4/KS5 LEVEL 2 TECHNICAL AWARDS / CERTIFICATES

DATE	END EXTERNAL EXAM	SYNOPTIC ASSIGNMENT
FEBRUARY: WK OF: 1st FEB		SYNOPTIC ASSIGNMENTS RELEASED TO CENTRES
APRIL L2-25th	EXTERNAL END EXAM	
MAY: EXAM-WK OF: L2-30th SYN- WK of: 23 MAY	RESULTS OF 1 st EXTERNAL EXAM	SUBMISSIONS OF MARKS FOR SYNOPTIC ASSIGNMENT & OPTIONAL UNIT EVIDENCE
JUNE L2- 27th	2 ND EXTERNAL END EXAM WINDOW	
JULY L2- 4th		SYNOPTIC ASSIGNMENT MARKS CONFIRMED AND GRADES AWARDED
JULY/AUG L2 - 1st AUG	RESULTS OF 2 ND EXTERNAL EXAM	

CURRENT TIMELINE AND ASSESSMENT DATES

LEVEL 3 TECHNICAL LEVEL QUALIFICATIONS

DATE	END EXTERNAL EXAM	SYNOPTIC ASSIGNMENT
FEBRUARY: WK OF: 1st FEB		SYNOPTIC ASSIGNMENTS RELEASED TO CENTRES
APRIL L3-18th	EXTERNAL END EXAM	
MAY: EXAM-WK OF: L3-23th SYN- WK of: 23 MAY	RESULTS OF 1 st EXTERNAL EXAM	SUBMISSIONS OF MARKS FOR SYNOPTIC ASSIGNMENT & OPTIONAL UNIT EVIDENCE
JUNE L3 20th	2 ND EXTERNAL END EXAM WINDOW	
JULY L3 – 4th		SYNOPTIC ASSIGNMENT MARKS CONFIRMED AND GRADES AWARDED
JULY/AUG L3 – 25th JULY	RESULTS OF 2 ND EXTERNAL EXAM	

SUPPORT RESOURCES

WHAT'S AVAILABLE AND WHERE?

DOCUMENTATION AVAILABLE NOW

- Qualification Handbooks
- Sample synoptic assessments
- Sample external end tests

All available on qualification pages at cityandguilds.com

CURRENT QUALIFICATION SUPPORT RESOURCES

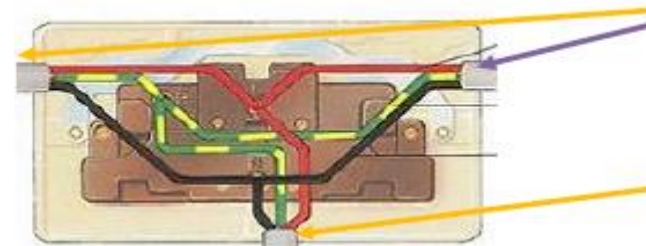
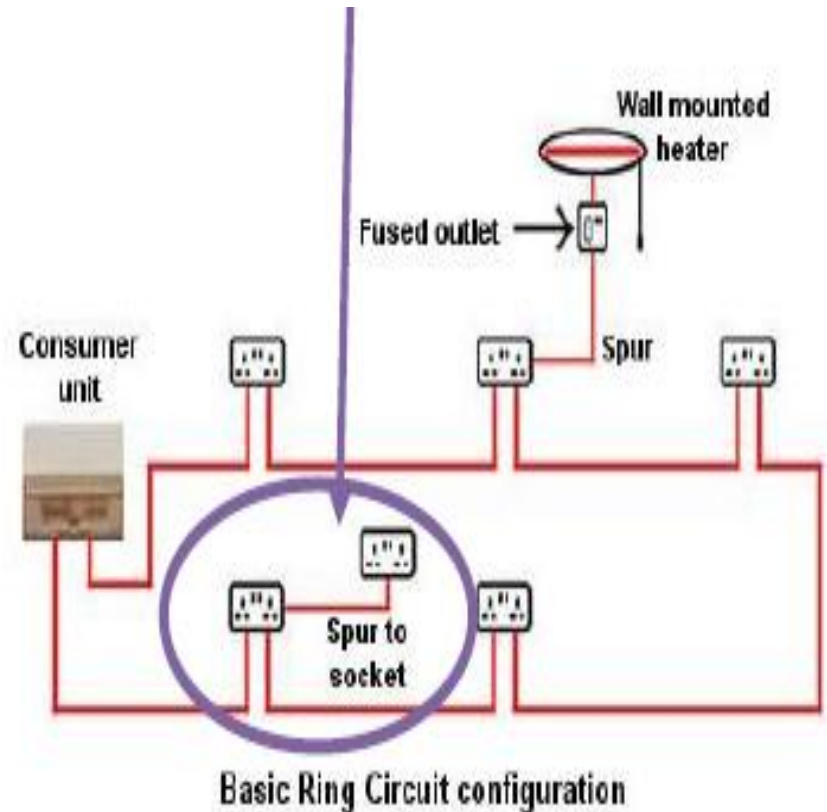
- SmartScreen
- Scheme of work
- Textbooks
- Digital Learning
- E-books

ASSESSMENT EXAMPLE - SYNOPTIC

LEVEL 2 TECHNICAL AWARD

Select two of the following:

- **Carpentry and joinery** - construct a scale model (either 1:5 or 1:10) of a simple roof structure.
- **Bricklaying** – construct a simple straight brick wall in stretcher bond, 0.9 m long and three stretchers high, no requirement for stopped ends, constructed using lime mortar, or a block wall 2.24 m in length and three stretchers high, no requirement for stopped ends.
- **Painting and decorating** - paint old furniture, doors or windows, hang lining paper or woodchip paper to walls with no corners, light switches or sockets.
- **Plastering** - undercoat and finish a block wall of area 2 m x 2 m.
- **Plumbing** - construct watertight pipework grids with two bends, two capillary joints and two compression joints.
- **Electrical installation** – complete a ring final circuit with two socket outlets and a fused spur using surface mounted conduit.



STAY IN TOUCH

TALK TO US

1 TALK TO YOUR BUSINESS MANAGER

2 JOIN THE LINKEDIN COMMUNITY: TECHBAC DEVELOPMENT & DISCUSSION

3 REGISTER FOR AN EVENT (WE RUN SECTOR EVENTS, ADVANCE EVENTS AND CONSULTATIONS)

REGISTER FOR UPDATES AT

[CITYANDGUILDS.COM/TECHBAC](https://www.cityandguilds.com/techbac)