



Thomas Telford  
University Technical College

# Work Related Learning Programme

2021 / 2022 *What makes us different?*



At Thomas Telford UTC we pride ourselves on providing a high quality core curriculum in all of the core subjects students study in any mainstream school. However, for those students interested in Innovation, Design and Construction we go further with qualifications that are selected for the content that will help them 'get ahead'. We truly are focussed upon creating future talent for these sectors that has no equal.



To enable this, we work with a range of Employer Sponsors, to make unique learning experiences come alive and to give students experience of working alongside professionals from the sector.



Not only is the UTC fortunate enough to be a part of the Thomas Telford group of schools, it is also closely affiliated with Wolverhampton University. We also have very strong partnerships with a number of high profile, major construction companies. It is working closely with these companies that allows us to develop a curriculum fine tuned to meet the needs of the industry and provide high quality delivery and experiences.



Strand:		Year(s)	Course	Description		
Unit 1: Sponsored Unit		12	BTEC L3	Construction Principles: Including Lighting, Thermal and Acoustics, material properties and construction techniques.		
Event	Detail	Date	Time	Employer Contact	Agreed	Completed
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Strand:		Year(s)	Course	Description		
Unit 2/4: Sponsored Unit		13	BTEC L3	Construction Technology and Construction Design: Including Site Investigation, Ground remediation, foundations, building elements and systems, utilities and drainage and design processes		
Event	Detail	Date	Time	Employer Contact	Agreed	Completed
1	Guest Lecture OR Site Visit : Ground Remediation	22/09/2021	AM			
2	Guest Lecture: RIBA Plan of Works	08/12/2021	AM	Dan Bridgewater - Baily Garner	Y	
3	Guest Lecture: Site Design (Pre Construction)	26/01/2022	AM	Tom Lynott - St. Modwen Homes	Y	
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Strand:		Year(s)	Course	Description		
Unit 5: Sponsored Unit		12	BTEC L3	Health and Safety: Including Risk assessments, method statements and reporting.		
Event	Detail	Date	Time	Employer Contact	Agreed	Completed
1	Guest Lecture - The need for H&S	16/09/2021	PM	Phil Eves - BAM	Y	
2	Guest lecture - Review of safety systems	07/10/2021	PM	Phil Eves - BAM	Y	
3	Example resources: Method Statements	-	-	BAM	Y	Y
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Strand:		Year(s)	Course	Description		
Unit 6: Sponsored Unit		12/13	BTEC L3	Surveying in Construction, including use of equipment, booking sheets, level and linear surveys.		
Event	Detail	Date	Time	Employer Contact	Agreed	Completed
1	Y12 Guest Lecture / Workshop - Surveying and careers	28/04/2022	AM	Leica		
2	Y12 Guest Lecture / Workshop - Setting Out and careers	12/05/2022	AM	Leica		
3	Y13 Guest Lecture / Workshop - Surveying and careers	17/03/2022	AM	Leica		
4	Y13 Guest Lecture / Workshop - Setting Out and careers	31/03/2022	AM	Leica		
5	Geospatial Demonstration	08/04/2022	AM	Leica		
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Strand:		Year(s)	Course	Description		
Unit 7: Sponsored Unit		12	BTEC L3	Graphic Detailing in Construction		
Event	Detail	Date	Time	Employer Contact	Agreed	Completed
1	Guest Lecture on technical drawings and professionalism in the industry	01/10/2021	AM	Cliff Shepherd - RMD Kwikform	Y	
2	AR/VR/MR Demonstration	10/12/2021	AM	Dave Heesom - University		
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Cliff - RMD Kwikform						

Strand:		Year(s)	Course	Description		
Unit 8: Sponsored Unit		12	BTEC L3	Building Regulations and Control including all regulations, processes and enforcement		
Event	Detail	Date	Time	Employer Contact	Agreed	Completed
1	Guest Lecture: Introduction to Building Regulations	13/01/2022	AM	Stuart Hitchcox - Wolverhampton Building Control	Y	
2	Site Visit: NHBC Compliance at residential housing site	14/01/2022	AM	Josh Golding - NHBC / Lovell	Y	
3	Guest Lecture: Practice application Launch	TBC	TBC	Stuart Hitchcox - Wolverhampton Building Control	Y	
4	Guest Lecture: Practice application Submission and Review	TBC	TBC	Stuart Hitchcox - Wolverhampton Building Control	Y	
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<p>Geoff is happy for you to get in touch directly to discuss:</p> <p>Geoff Mann BSc (Hons), MCIQB, Cert. Ed. Industry Training Manager, NHBC Direct tel: 01827 63021 Mobile: 07733 014772   email: gmann@nhbc.co.uk</p>						

Strand:		Year(s)	Course	Description		
Unit 40: Sponsored Unit		13	BTEC L3	Offsite and Onsite Manufacturing		
Event	Detail	Date	Time	Employer Contact	Agreed	Completed
1	Site Visit to 'Offsite Production Facility'	23/09/2021	AM			
2	Guest lecture: The importance of adopting offsite manufacturing and MMC	30/09/2021	AM			
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Bruce? Space 4? Green Space Accord - Jayne Dan B BG - Phil Eves - BAM / EH Smiths?						



Strand:		Year(s)	Course	Description		
Unit 41: Sponsored Unit		13	BTEC L3	Renewable Energy Use in Residential Developments		
Event	Detail	Date	Time	Employer Contact	Agreed	Completed
1	Site Visit to see good practice sustainable construction of residential properties - focus on sustainable energy and building fabric changes/decisions e.g. insulation, windows...	11/11/2021	AM	Engie?		
2	Guest Lecture: The importance of adopting sustainable design	27/01/2022	AM	Engie - Dale Sager	Y	
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Strand:		Year(s)	Course	Description		
T-Levels (Surveying, Design and Planning for Construction)		12	T-Level	Employer Engagement Opportunities supporting delivery and content of T-Levels		
Event	Detail	Date	Time	Employer Contact	Agreed	Completed
1	HS2: Bailey Garner - Guest Lecture on RIBA DPoW	13/09/2021	AM	Baily Garner	Y	
2	HS2: BAM: Procurement and tendering / CPA and Gantt Charts guest lecture	20/09/2021	AM	BAM	Y	
3	VA: Turner & Townsend - Guest Lecture as Consultants on the Project	20/09/2021	PM	Turner & Townsend	?	
4	HS2: MMA Bridge Design and Procurement	04/10/2021	AM	MMA	Y	
5	HS2: Balfour Beatty Site Visit or Guest Lecture on HS2 Tunneling	11/10/2022	AM	Thames Tideway	Y	
6	VA: Guest Lecture OR Site Visit on Alternative Energy	13/10/2021	PM	Engie		
7	HS2: CWC Planning (Considering Station Designs)	19/10/2021	AM	City of Wolverhampton Council Planning Dept.	Y	
8	VA: BAM Project Management and Monitoring Guest Lecture	20/10/2021	PM	BAM	Y	
9	TT: Morgan Sindall Infrastructure M40/M42 Interchange Visit	08/11/2021	AM	Morgan Sindall	Y	
10	DD: BAM: Guest Lecture Dover Western Docks or similar project	08/11/2021	PM	BAM		
11	DD: BAM: QA and Project Management	18/11/2021	PM	BAM / MS - Joely	Y	
12	TT: Demonstration of Point Cloud Surveying	22/11/2021	AM	Leica / UoW	Y	
13	DD: Structural Engineer Guest Lecture	01/12/2021	PM	Cliff Shepherd - RMD Kwikform	Y	
14	DD: Site Visit Portal Frame and Building Envelope	14/12/2021	PM			
15	TT: BAM: Project Management and Teams / Procurement	05/01/2022	AM	BAM	Y	
16	MB: CWC Planning: Introduction to good housing design. Meeting community needs.	17/01/2022	AM	City of Wolverhampton Council Planning Dept.	Y	

17	DD: Estimator Guest Lecture - Role and Career Opportunities	26/01/2022	PM	Bruce Boughton - Lovell	Y	
18	RICS: RIBA DpoW Stage 0 - Commercial Projects - Case Study Presentation.	01/02/2022	PM	Dan Bridgewater - Baily Garner		
19	RICS: Project Planning / Site management Guest Lecture	09/02/2022	PM			
20	RICS: Architectural Concept Design Case Study / Workshop	16/02/2022	PM			
21	MB: CWC Building Control Guest Lecture	16/02/2022	AM	Wolverhampton Building Control	Y	
22	MB: Production Facility Tour	02/03/2022	AM			
23	RICS: MMC Delivery and Installation / Visit to MMC completed Building	21/03/2022	PM			
24	RICS: Building Handover Example / Talk	06/04/2022	PM	NHBC? Josh Golding		
25	RICS: Demolition Guest Lecture	03/05/2022	PM	University of Wolverhampton		

**Notes**

Activities are a mixture of face to face / remote and site visits as well as access to resources.

Strand:		Year(s)	Course	Description		
Improving Employability Skills		10; 11; 12; 13	GCSE & L3	Employer Led Projects designed to compliment the taught curriculum and support development of the 'soft' employability skills.		
Event	Detail	Date	Time	Employer Contact	Agreed	Completed
1	Site Visits Residential (4 groups of 15) (10)	21/09/2021	AM	Lovell, St.Modwen	N	
2	Site Visits Commercial (4 groups of 15) (12)	30/09/2021	PM	LinkedIn Open Doors w/c 4th Oct ? MMA,	N	
3	Project Launch: Architectural (11/13)	20/09/2021	15.30-16.30	Engie - Leanne Poole	Y	
4	Interim Presentations: Architectural (11/13)	11/10/2021	15.30-17.00	Engie - Leanne Poole	Y	
5	Final Presentations: Architectural (11/13)	06/12/2021	15.30-17.00	Engie - Leanne Poole	Y	
6	Project Launch: Infrastructure (12)	03/01/2022	15.30-16.30	MMA - Rose Rees or MS Infrastructure	Y	
7	Interim Presentations: Infrastructure (12)	28/02/2022	15.30-17.00	MMA - Rose Rees or MS Infrastructure	Y	
8	Final Presentations: Infrastructure (12)	04/04/2022	15.30-17.00	MMA - Rose Rees or MS Infrastructure	Y	
9	Project Launch: Residential (10)	05/05/2022	15.30-16.30	Bruce Boughton - Lovell	Y	
10	Interim Presentations: Residential (10)	13/06/2022	15.30-17.00	Bruce Boughton - Lovell	Y	
11	Final Presentations: Residential (10)	11/07/2022	14.00-17.00	Bruce Boughton - Lovell	Y	
12	UTC Showcase (7/8)	07/07/2022	14.00-17.00	St.Modwen Homes / Turner & Townsend	Y	
13	School Awards and Presentation Evening	18/07/2022	17.00-20.00		Y	
14	Site Visit T-Levels	02/09/2021	14:00-15:30	Rose Rees - MMA	Y	Y
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**Notes**

I am pleased to confirm Lovell will be happy to host a site visit for 15 students on 21/09/2021. Earl Patrick (copied) will host the visit alongside the Site Manager. Please contact him directly to let him know the exact timings when you have them.

The site address is:  
 Lovell Site Office  
 off Ivy House Lane  
 Brewood  
 Staffordshire  
 ST19 9JE

Strand:		Year(s)	Course	Description		
Careers Advice and Guidance		10; 12	GCSE & L3	Visiting Speakers and Visits to relevant institutions and shows designed to raise aspirations and inform students about their next steps.		
Event	Detail	Date	Time	Employer Contact	Agreed	Completed
1	Labour Market Presentation: Opportunities and breadth of the construction sector. (10/12)	20/09/2021	PT	Black Country Hub / DWP	Y	
2	Apprenticeships Assembly - Levels and Employer Support (10/12)	11/10/2021	PT	Rose Rees - MMA	Y	
3	What's My Line - Employers quizzed by students in small groups to establish roles. (Students then go on to produce 'job cards') (10/12)	03/11/2021	AM	Dan - Baily Garner Cliff - RMD Turner and Townsend		
4	Mock Interview Workshop - Prep (10) / CV	24/11/2021	AM	Carol Codner - EBP	Y	
5	Introduction to Apprenticeships (12)	24/11/2021	AM	DWP	Y	
6	Launch Wex (10/12)	29/11/2021	PT	LFL/CGL	Y	
7	Mock Interviews	02/12/2021	AM	Turner and Townsend		
8	Work Experience (10/12)	14/03/2022	ALL DAY	ALL	Y	
9	1:1 Careers Guidance	04/05/2022	-	LFL	Y	
10	Employer Mentor Meetings (Introduction) with groups of up to 6 (10/12)	13/06/2022	-	ALL	Y	
11	Choose Uni / Real Degree, Fake Degree	13/06/2022	PM	Angela Hind - UoW	Y	
12	University Finance (12)	28/06/2022	PT	Angela Hind - UoW	Y	
13	Work Experience (10/12)	04/07/2022-08/07/2022	ALL DAY	ALL	Y	
Notes						

Strand:		Year(s)	Course	Description		
Careers Advice and Guidance		11; 13	GCSE & L3	Visiting Speakers and Visits to relevant institutions and shows designed to raise aspirations and inform students about their next steps.		
Event	Detail	Date	Time	Employer Contact	Agreed	Completed
1	We Want You Event with employers and university representatives (11/13)	21/09/2021	AM	Dan - Baily Garner Turner & Townsend	Y	
2	Personal Statement Surgery (Y13)	28/09/2021	AM	Angela Hind - UoW	Y	
3	One to One Careers Interviews Begin (11/13)	01/10/2021	ONGOING	LFL	Y	
4	Visit to UK Construction Week (13)	07/10/2021	PM			
5	Work Experience (11/13)	18/10/2021	ALL DAY	ALL	Y	
6	CV and Interview Prep Skills Workshop and Support (11)	03/11/2021	AM	DWP	Y	
7	Mock Interview Workshop (13)	03/11/2021	AM	Carol Codner - EBP Turner & Townsend	Y	
8	Employer Mentor Meetings (Second Meeting) (11/13)	08/11/2021	ALL DAY	ALL	Y	
9	Mock interviews (13)	11/11/2021	AM	Turner & Townsend	Y	
10	Introduction to Apprenticeships	24/11/2021	AM	DWP	Y	
11	CV and Reference Workshop (13)	24/11/2021	AM	Barclays?		
12	Mock Interviews (11)	03/03/2022	AM	Turner & Townsend	Y	
13	Employer Mentor Meetings (Final Meeting) (11/13)	21/03/2022	ALL DAY	ALL	Y	
14	Career Story Event with carousel of 5 minute presentations from a variety of roles. (11/13)	29/03/2022	AM	Dan - Baily Garner Cliff - RMD		

15	Careers Fayre - Large event with employers and FE/HE providers presenting to students on opportunities	29/03/2022	PM	Cliff - RMD		
16	World Skills Live Visit (11/13)	TBC				
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**Notes**

Event	Detail	Date	Time	Employer Contact	Agreed	Completed
1	Introduction to Jobs and Careers	13/06/2022	AM	Carol Codner	Y	
2	Why University?	27/06/2022	PT	Angela Hind	Y	
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