

SUBJECT Construction KS4

Years 10	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Area of Study: Skill Box	Area of Study: Skill Box	Area of Study: Light	Area of Study: Component 2 Practical	Area of Study: Design and build an architectural model	Area of Study: Design and build an architectural model
	<p>Content: Learn how to use a range of measuring, marking & setting out tools to cut a range of joints & then apply them to create a skills box.</p> <p>Learn how to work safely in the workshop, identifying risks and being aware of how to minimise those risks using PPE & Risk Assessments</p>	<p>Content: Learn how to use a range of measuring, marking & setting out tools to cut a range of joints & then apply them to create a skills box.</p> <p>Learn how to work safely in the workshop, identifying risks and being aware of how to minimise those risks using PPE & Risk Assessments</p>	<p>Content: Develop their use of a range of measuring, marking & setting out tools and apply this knowledge to make a light.</p> <p>Learn how to complete a risk assessment by recognise a a wide range of hazards and an accurate calculation of risk.</p>	<p>Content: Complete task set the exam board</p>	<p>Content: Learn how to understand a clients needs & the constraints on design when designing a low rise building.</p> <p>Develop skills to communicate design ideas using concept sketches</p> <p>Understand the performance requirements for low-rise construction</p> <p>Learn how to complete some simple bricklaying tasks</p>	<p>Content: Understanding how buildings are constructed. Sub structure – pre construction, ground works & foundations</p> <p>Consider the purpose of sustainable building & how to achieve it.</p> <p>Develop skills to communicate design ideas using 3D drawing techniques such as 2 point perspective & Isometric</p> <p>Learn how to complete some simple bricklaying tasks</p>

--	--	--	--	--	--	--

Support at home

Text Books / Journals		Websites / Podcasts	
<p><i>Mohyuddin, S.A., Murray-Smith, J., Stokes, A. and Topliss, S., BTEC First Construction and the Built Environment Student Book, (Pearson Education, 2013) ISBN 978-1-44690- 646-0 Pages 146 to 185 provide information that is a relevant to this component.</i></p> <p><i>Carillion– Carpentry and Joinery (Pearson, 2006) ISBN 978-0-435325-70-1. A useful core textbook for carpentry and joinery at level 2. Jackson, A., Day, D., –</i></p> <p><i>Complete Woodworker’s Manual (Collins, 2005) ISBN 0-00-414005- 2. Provides a wealth of information for all aspects of working with wood in the context of a joinery and woodworker’s workshop.</i></p> <p><i>Carillion– Brickwork (Heinemann, 2006) ISBN 978-0-435463-59-4. A useful core textbook for brickwork at level 2. Brick Development Association, The BDA Guide to Successful Brickwork (2nd edition),.(Butterworth-Heinemann), 2000 (ISBN 978-0-34075-899-1) A useful resource for bricklaying learners at all levels Cooper, B. and Dieltz, K.,</i></p> <p><i>Level 1–3 NVQ/SVQ Diploma Brickwork Interactive Drawings, (Heinemann, 2012) ISBN 978-0-43512-735-0 This resource provides ready-made drawings and animations to demonstrate how products and constructions are put together. They can be uploaded onto your VLE and can be used flexibly to teach techniques and explore different construction ideas.</i></p>		<p><i>www.fsc.org The Forest Stewardship Certification – offers information about the logo on products and the chain of custody of products.</i></p> <p><i>www.geoffswoodwork.co.uk Geoff’s Woodwork – a useful site containing lots of resources and information (plans, theory, knowledge) specifically designed for carpentry and joinery learners.</i></p> <p><i>https://youtube.com/c/Stucromptonuk - features an extensive range of bricklaying videos 44 Pearson BTEC Level 1/Level 2 Tech Award in Construction and the Built Environment (2022) © Pearson Education Limited 2022 BTEC LEVEL 1/LEVEL 2 TECH AWARD</i></p> <p><i>www.brick.org.uk. Brick Development Association – provides advice on brickwork design and techniques.</i></p> <p><i>www.hse.gov.uk. Health and Safety Executive – provides information and guidance on health and safety both in general and industry specific. Note whilst this is a UK government website it nevertheless offers excellent guidance on good health and safety practice.</i></p>	
Social Media			
<p>@BritWoodFed - British Woodworking Federation</p> <p>@fwmagazine - Fine Woodworking</p> <p>@britishwoodmag - British Woodworking</p> <p>@Guild_MasterC - The Guild of Master Craftsmen</p> <p>@BricksUK - Brick Development</p>			
<p>Assessments: Low stakes ongoing assessment in all lessons. Assessment of practical skills & understanding of theory work.</p>		<p>Careers in the Curriculum: Discuss possible career progression. Links with Barlow’s Building Maintenance contractors</p>	

Component 2 will be assessed in Spring 2 and is worth 33% of their final grade. AP3 will be based on written mock paper from Component 1	
---	--

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Years 11	Area of Study: Design and build an architectural model	Area of Study: Component 3	Area of Study: Preparation for Component 1	Area of Study: Revision	Area of Study: Revision	Area of Study:
	Content: Explore how superstructures – walls, floors & roofs are constructed Develop skills to communicate design ideas using 2D floor plans	Content: Complete the task set by the exam board Design a building for a client	Content: Understand the performance requirements for low-rise construction And the ways structural forms in low-rise construction are used and their features. Understand the work of the construction industry	Content: Revise for written exam .	Content: Revise for written exam	Content:

Support at home

Text Books / Journals	Websites / Podcasts
<p>Mohyuddin, S.A., Murray-Smith, J., Stokes, A. and Topliss, S., <i>BTEC First Construction and the Built Environment Student Book</i>, (Pearson Education, 2013) ISBN 978-1-44690- 646-0 Pages 146 to 185 provide information that is a relevant to this component.</p> <p>Carillion– <i>Carpentry and Joinery</i> (Pearson, 2006) ISBN 978-0-435325-70-1. A useful core textbook for carpentry and joinery at level 2. Jackson, A., Day, D., –</p> <p>Complete Woodworker’s Manual (Collins, 2005) ISBN 0-00-414005- 2. Provides a wealth of information for all aspects of working with wood in the context of a joinery and woodworker’s workshop.</p> <p>Carillion– <i>Brickwork</i> (Heinemann, 2006) ISBN 978-0-435463-59-4. A useful core textbook for brickwork at level 2. Brick Development Association, The BDA Guide to Successful Brickwork (2nd edition),.(Butterworth-Heinemann), 2000 (ISBN 978-0-34075-899-1) A useful resource for bricklaying learners at all levels Cooper, B. and Diett, K.,</p>	<p>www.fsc.org The Forest Stewardship Certification – offers information about the logo on products and the chain of custody of products.</p> <p>www.geoffswoodwork.co.uk Geoff’s Woodwork – a useful site containing lots of resources and information (plans, theory, knowledge) specifically designed for carpentry and joinery learners.</p> <p>https://youtube.com/c/Stucromptonuk - features an extensive range of bricklaying videos 44 Pearson BTEC Level 1/Level 2 Tech Award in Construction and the Built Environment (2022) © Pearson Education Limited 2022 BTEC LEVEL 1/LEVEL 2 TECH AWARD</p> <p>www.brick.org.uk. Brick Development Association – provides advice on brickwork design and techniques.</p> <p>www.hse.gov.uk. Health and Safety Executive – provides information and guidance on health and safety both in general and industry specific. Note whilst this is a UK</p>

<p><i>Level 1–3 NVQ/SVQ Diploma Brickwork Interactive Drawings, (Heinemann, 2012) ISBN 978-0-43512-735-0 This resource provides ready-made drawings and animations to demonstrate how products and constructions are put together. They can be uploaded onto your VLE and can be used flexibly to teach techniques and explore different construction ideas.</i></p>	<p><i>government website it nevertheless offers excellent guidance on good health and safety practice.</i></p>
<p><i>Social Media</i></p> <p><i>@BritWoodFed - British Woodworking Federation</i> <i>@fwmagazine - Fine Woodworking</i> <i>@britishwoodmag - British Woodworking</i> <i>@Guild_MasterC - The Guild of Master Craftsmen</i> <i>@BricksUK - Brick Development</i></p>	
<p>Assessments: Low stakes ongoing assessment in all lessons. Assessment of practical skills & understanding of theory work. Component 3 will be assessed in Aut 1 and is worth 33% of their final grade. Written paper sat in the summer is worth 33% of the final grade.</p>	<p>Careers in the Curriculum: Discuss possible career progression. Links with Barlow's Building Maintenance contractors</p>