

## Construction Skills (Carpentry, Painting and Decorating and Bricklaying) Curriculum Intent: Key Stage 4 2025 - 2026

The BTEC Level 1 Construction course aims to provide learners with a foundational understanding of the construction industry, with a particular focus on the core trades of Painting and Decorating and Bricklaying. The intent is to develop practical skills, vocational knowledge, and personal qualities that prepare students for further study, apprenticeships, or entry-level employment in the construction sector. Through hands-on experience in real workshop environments, learners build confidence and competence in using tools, materials, and safe working practices. The curriculum also supports the development of transferable skills such as teamwork, communication, and problem-solving, ensuring students are well-equipped to progress within a dynamic and vital industry.

### Skills and Knowledge Key Stage 4

Every half term, we ensure that we offer cross curricular (Cc) opportunities to our pupils as well as covering Social, Moral, Spiritual and Cultural (SMSC) elements.

These are detailed below using the following codes, enabling us to track what is delivered in each subject:

Cross Curricular Links include: M (Maths), Eng (English), Sc (Science), PS (PSHE), FT (Food Tech), CR (Craft), AD (Art & Design), C (Computing), G (Geography), H (History), En (Engineering), R (Reading), Ec (Economics)

SMSC Links include: B (British Values), Sp (Spiritual aspects), M (Moral aspects), So (Social aspects), C (Cultural aspects), R (Religious aspects), Rel (Relationships), P (Prevent), E (E-Safety), I (Individual Advice & Guidance & Careers), H (Healthy Lifestyle including wellbeing)

	Key Stage 4 Topics	Key Stage 4 Skills	Key Stage 4 Knowledge
HT1	<p><b>Developing a personal progression plan</b></p> <p><b>Making a carpentry Joint</b> Working with timber to produce a simple wooden frame</p> <p><b>CC - M, Eng, R</b></p> <p><b>SMSC - So, I</b></p>	<p><b>Progression Plan</b> To identify the skills and behaviours needed to meet progression plan goals To review own skills against progression plan goals</p> <p><b>Carpentry</b> Reading Planning Designing Problem Solving Measuring Sawing Drilling Joining Planning and sanding Fixing using screws, pins, glue, nails and hinges</p> <p><b>Health &amp; Safety</b> To be able to use a basic range of tools and equipment safely To identify basic hazards and risks when using carpentry tools</p>	<p><b>Progression Plan</b> To understand the benefits and purpose of developing a progression plan To understand the aim of the progression plan goals and opportunities and being able to set them</p> <p><b>Carpentry</b> To know different types of timber To understand how to use a basic range of carpentry tools including a tenon saw, square, ruler, marking gauge, bench vice, saw bench and drill To understand how to measure timber accurately using a ruler To understand how to transfer dimensions from a drawing to construct a wooden frame To be able to identify the correct tools and equipment for each task To understand the different types of joints that can be used to construct a timber frame</p> <p><b>Health &amp; Safety</b> To understand the role of each tool and select the correct tools for each task To know how to use a basic range of tools and equipment safely To understand the basic hazards posed when using carpentry tools</p>
	Key Stage 4 Topics	Key Stage 4 Skills	Key Stage 4 Knowledge
HT2	<p><b>Developing a Personal Progression Plan</b></p> <p><b>Making Carpentry Joints</b> Working with timber to produce a simple wooden frame</p> <p><b>CC - M, Eng, R</b></p> <p><b>SMSC - So, I</b></p>	<p><b>Progression Plan</b> Reviewing own skills and behaviours against progressions goals</p> <p><b>Carpentry</b> Reading Planning Designing Problem Solving Measuring Sawing Drilling Joining Planing and sanding Fixing using screws, pins, glue, nails and hinges Staining/Finishing Refining and improving</p> <p><b>Health &amp; Safety</b> To be able to use a greater range of carpentry tools and equipment safely To identify a range of hazards and risks when using carpentry tools</p>	<p><b>Progression Plan</b> To be able to explore progression opportunities To understand how to set a progression goal To understand how to create a progression plan To understand how to reflect and review their goals, the progress towards them and amend them if needed</p> <p><b>Carpentry</b> To understand how to use a greater range of carpentry tools including a tenon saw, square, ruler, marking gauge, bench vice, saw bench and drill To understand how to measure timber accurately using a ruler and tape measure and to mark cuts To understand how to transfer dimensions from a drawing to construct a wooden frame To be able to identify the correct tools and equipment to make a wooden frame To understand the different types of joints and to be able to select the correct one for their timber frame To know the different types of stains and finishes for timber.</p> <p><b>Health and Safety</b> To understand the role of a greater range of carpentry tools and to be able to select the correct tool for each task To know how to use a greater range of tools and equipment safely To understand a range of hazards posed in a when using carpentry tools and be able to resolve them</p>

	Key Stage 4 Topics	Key Stage 4 Skills	Key Stage 4 Knowledge
HT3	<p><b>Painting</b> To include: The inside of a Wall Skirting Boards</p> <p><b>CC - M, Eng, R</b></p> <p><b>SMSC - So, I</b></p>	<p><b>Painting</b> Planning and preparation Sanding/Filling Mixing Painting (walls, skirting boards) Measuring/Estimating Cutting Pasting Decision Making Refining/Improving</p> <p><b>Health and Safety</b> To be able to use a basic range of decorating tools and equipment safely To identify a range of hazards and risks when using carpentry tools</p>	<p><b>Painting</b> To understand how to use a basic range of painting tools To be able to identify the correct tools and equipment to paint a wall To understand the different types of paints and their purposes and to be able to select the correct type of paint for the task eg gloss, vinyl To understand how to measure/estimate how much paint is needed for the task</p> <p><b>Health and Safety</b> To understand the role of a range of decorating tools and to be able to select the correct tool for each task To know how to use a range of decorating tools and equipment safely To understand a range of hazards posed in a when using carpentry tools and be able to resolve them To understand the role and importance of wearing of protective equipment (PPE) To understand the importance of preparing the environment eg dust covers To understand how to work safely with others</p>
	Key Stage 4 Topics	Key Stage 4 Skills	Key Stage 4 Knowledge
HT4	<p><b>Painting and Decorating</b> To include: The inside of a Wall Skirting Boards Dado Rails Coving</p> <p><b>CC - M, Eng, R</b></p> <p><b>SMSC - So, I</b></p>	<p><b>Decorating</b> Planning and preparation Sanding/Filling Mixing Painting (walls, skirting boards, coving, dado rails) Measuring/Estimating Cutting Pasting Hanging wallpaper Decision Making Refining/Improving</p> <p><b>Health and Safety</b> To be able to use a greater range of decorating tools and equipment safely To identify a range of hazards and risks when using carpentry tools</p>	<p><b>Painting and Decorating</b> To understand how to use a greater range of painting and decorating tools To understand how to measure a wall accurately using a tape measure To understand how to transfer dimensions from a wall to the wallpaper To understanding how to hang wallpaper accurately and evenly To be able to identify the correct tools and equipment to paint/decorate a wall To understand the different types of paints and their purposes and to be able to select the correct type of paint for the task eg gloss, vinyl, emulsion</p> <p><b>Health and Safety</b> To understand the role of a greater range of decorating tools and to be able to select the correct tool for each task To know how to use a greater range of decorating tools and equipment safely To understand a range of hazards posed in a when using carpentry tools and be able to resolve them To understand the role and importance of wearing of protective equipment (PPE) To understand the importance of preparing the environment eg dust covers To understand how to work safely with others</p>
	Key Stage 4 Topics	Key Stage 4 Skills	Key Stage 4 Knowledge
HT5	<p><b>Building a Simple Wall</b></p> <p><b>CC - M, Eng, R</b></p> <p><b>SMSC - So, I</b></p>	<p><b>Bricklaying</b> Measuring/Calculating Planning Problem Solving Maintaining a Plumb Line Extract and interpret information Hand – eye coordination Pointing (both vertical and horizontal joints) Redesigning/Improving</p> <p><b>Health and Safety</b></p>	<p><b>Bricklaying</b> To understand basic bricklaying methods which will build a strong wall To understand the use of a basic range of materials that can be used to build a simple wall eg free standing walls, double skinned walls To understand how to use a basic range of bricklaying tools To understand how to measure accurately using a tape measure/ gauge lat To understand how to transfer dimensions from a drawing to construct a simple wall To be able to identify the correct tools and equipment for each task To understanding the importance of pointing a wall</p> <p><b>Health and Safety</b> To understand the role of a basic range of bricklaying tools and to be able to select the correct tool for each task To know how to use a basic range of bricklaying tools and equipment safely To understand a range of hazards posed in a when using bricklaying tools and be able to resolve them To understand the role and importance of wearing of protective equipment (PPE) To understand the importance of preparing the environment eg dust covers To understand how to work safely with others</p>

	Key Stage 4 Topics	Key Stage 4 Skills	Key Stage 4 Knowledge
HT6	<p style="text-align: center;"><b>Building a Simple Wall</b></p> <p style="text-align: center;">CC - M, Eng, R</p> <p style="text-align: center;">SMSC - So, I</p>	<p style="text-align: center;"><b>Bricklaying</b></p> <p style="text-align: center;">Measuring/Calculating Planning Problem Solving Maintaining a Plumb Line Extract and interpret information Hand – eye coordination Pointing (both vertical and horizontal joints) Redesigning/Improving</p> <p style="text-align: center;"><b>Health and Safety</b></p>	<p style="text-align: center;"><b>Bricklaying</b></p> <p>To understand more advanced bricklaying methods which will build a strong wall</p> <p>To understand the use of a greater range of materials that can be used to build a simple wall eg free standing walls, double skinned walls</p> <p>To understand how to use a greater range of bricklaying tools</p> <p>To understand how to measure accurately using a tape measure/ gauge lat</p> <p>To understand how to transfer dimensions from a drawing to construct a simple wall</p> <p>To be able to identify the correct tools and equipment for each task</p> <p>To understanding the importance of pointing a wall</p> <p style="text-align: center;"><b>Health and Safety</b></p> <p>To understand the role of a basic range of bricklaying tools and to be able to select the correct tool for each task</p> <p>To know how to use a basic range of bricklaying tools and equipment safely</p> <p>To understand a greater range of hazards posed in a when using bricklaying tools and be able to resolve them</p> <p>To understand the role and importance of wearing of protective equipment (PPE)</p> <p>To understand the importance of preparing the environment eg dust covers</p> <p>To understand how to work safely with others</p>