

Curriculum Intent: Pupils will leave Bloxwich Academy having developed a fundamental life skill as they will know basic safety rules and procedures in the workshop. They will be designing and making more sophisticated products and structures. They will also undertake more complex design projects with a focus on problem-solving and creativity.

Curriculum Rationale: We ensure our Resistant Materials & Construction courses enable pupils to learn how to use measuring tools used in industry correctly and complete a practical outcome independently.

Our pupils will have a good understanding of personal safety and explore the role of design in everyday objects and products by developing their skills when using hand and power tools safely.

Our KS4 pupils will learn a range of complex skills to prepare them for a future career in Construction as well as developing a good knowledge of the industry to preparing them for the workplace so that they can be successful in their future career.

What makes the Bloxwich experience unique: Unlike many schools we **do not** expect pupils and parents to provide the tools or materials pupils need for their lessons. We believe that all pupils should learn the vital life skill of construction and so no pupil will be disadvantaged because of the cost of materials. Therefore, we use our funding to buy all materials throughout KS3 & KS4 so that everyone has full access to our curriculum.

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
7	Year 7 Technology Rotation Trinket Box – Health and Safety					
8	Year 8 Technology Rotation Key ring holder – Precision of measurement					
9	Year 9 Technology Rotation Desk tidy – Reading and understanding of Construction plans					
10	Component 2 Learners are taught how to understand hazards and risks for safe production of a practical construction outcome. (The assessment of Risk and Hazard). Learners will develop knowledge of different measuring tools used in industry and correctly interpret Construction specifications.	Component 2 Learners will be taught how to consider materials for carpentry & joinery. Learners will understand how to minimise waste by accurately setting out & cutting materials.	Component 2: PSA window. (Brief/ Assignment set by Pearson)	Component 2: PSA window. (Brief/ Assignment set by Pearson)	Component 3 Learners will be taught the differences and key features of building use, style and aesthetics, architectural impact.	Component 3 Learners will develop freehand sketching techniques, which include; floor plans, dimensions of rooms, graphical representations of windows doors etc.
11	Component 3: PSA window.	Component 3: PSA window.	Component 1 AO1: Demonstrate knowledge of work of the construction industry and the different technology used in low-rise construction projects.	Component 1 AO2: Demonstrate understanding of work of the construction industry and the different technology used in low-rise construction projects.	Component 1 AO3: Be able to make connections between different construction technologies to ensure appropriateness of low-rise construction projects in different scenarios. External exam.	