

Rainford High School – Department: Art & Design Technology

Subject: Design and Technology: Construction and the Built Environment

Year 10 Curriculum						
	Half-Term 1	Half-Term 2	Half-Term 3	Half-Term 4	Half-Term 5	Half-Term 6
Topic	Introduction to Design and Technology: Construction and the Built Environment. Focussed practical tasks to build skills and knowledge covering various trades.					Begin Non-Examination Assessment (NEA) 60% of the qualification.
Essential knowledge, skills and understanding	<p>Introduction to the course, the values of each component and timeline.</p> <p>Developing skills used within the carpentry and joinery trade.</p> <p>Theory focus: Unit 1: Introduction to the Built Environment 1.1: The sector. 1.8: Health and safety.</p>	<p>Further development of skills used within the carpentry and joinery trade.</p> <p>Theory focus: Unit 1: Introduction to the Built Environment 1.2: The built environment life cycle. 1.7: Trades, employers and careers. 1.8: Health and safety.</p>	<p>Developing skills used within the electrical installation trade.</p> <p>Theory focus: Unit 1: Introduction to the Built Environment 1.3: Types of building and structure. 1.4: Technologies and materials. 1.7: Trades, employers and careers. 1.8: Health and safety.</p>	<p>Further development of skills used within the electrical installation trade.</p> <p>Developing skills used within the painting and decorating trade.</p> <p>Theory focus: Unit 1: Introduction to the Built Environment 1.5: Building structures and forms. 1.7: Trades, employers and careers. 1.8: Health and safety.</p>	<p>Further development of skills used within the painting and decorating trade.</p> <p>Theory focus: Unit 1: Introduction to the Built Environment 1.6: Sustainable construction methods. 1.7: Trades, employers and careers. 1.8: Health and safety.</p>	<p>Demonstrating skills to meet the Non-Examination Assessment (NEA) brief.</p> <p>Understanding how to interpret technical sources of information. Plan and organise work. Identify resource requirements. Calculating the materials required. Write and set success criteria. Prepare for construction tasks. Carry out techniques. Remove and dispose materials. Promote health and safety. Evaluate construction tasks.</p>

<p>Assessments and assessment focus</p>	<p>Retrieval testing of essential knowledge.</p> <p>Homework: Flash Cards covering the theory focus.</p> <p>Assessment Objectives: AO1 Demonstrate knowledge and understanding. AO2 Apply skills. AO3 Analyse and evaluate information.</p>	<p>Retrieval testing of essential knowledge.</p> <p>Homework: Flash Cards covering the theory focus.</p> <p>Assessment Objectives: AO1 Demonstrate knowledge and understanding. AO2 Apply skills. AO3 Analyse and evaluate information.</p>	<p>Retrieval testing of essential knowledge.</p> <p>Homework: Flash Cards covering the theory focus.</p> <p>Assessment Objectives: AO1 Demonstrate knowledge and understanding. AO2 Apply skills. AO3 Analyse and evaluate information.</p>	<p>Retrieval testing of essential knowledge.</p> <p>Homework: Flash Cards covering the theory focus.</p> <p>Assessment Objectives: AO1 Demonstrate knowledge and understanding. AO2 Apply skills. AO3 Analyse and evaluate information.</p>	<p>Retrieval testing of essential knowledge.</p> <p>Homework: Flash Cards covering the theory focus.</p> <p>Assessment Objectives: AO1 Demonstrate knowledge and understanding. AO2 Apply skills. AO3 Analyse and evaluate information.</p>	<p>Mock exam.</p> <p>Homework: Flash Cards covering the theory focus.</p> <p>Assessment Objectives: AO1 Demonstrate knowledge and understanding. AO2 Apply skills. AO3 Analyse and evaluate information.</p>
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