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**Knowledge Rich Curriculum Plan**

Construction

Unit 2: Developing Construction Projects (Controlled Assessment)



| **Year**  **Construction** | **Unit 2: Developing Construction Projects (Controlled Assessment)** |  |  |  |
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| **Lesson/Learning Sequence** | **Intended Knowledge:**  *Students will know that…* | **Tiered Vocabulary** | **Prior Knowledge:**  *In order to know this students, need to already know that…* | **Assessment** |
| **Setting Out** | * Students will know how to set out materials in readiness for a construction project * Students will know how to choose appropriate tools * Students will know how to select appropriate materials | Preparation – The ability to be ready for a given task | * ***Students will need to know what is meant by the term 'interpret' (translate or explain the meaning of)*** * ***Students need to already know what a design brief and specification is*** | Informal  Coursework Moderation |
| **Marking out the stud work** | * Students will know how to measure and cut stud frames * Students will know a header is the top joining component of a stud wall * Students will know the sole plate is the bottom component of a wall * Student will know how the noggin secures the frame by using a push pull force | Component – A small part of in a machine or project  Secures – Joins permanently | * ***Students need to already know what is meant by the term 'sequence' (a particular order in which related things follow each other)*** * ***Students need to already have a basic understanding of completing a construction task in order (plan, prepare, complete task and close down procedure)*** | Informal  Coursework Moderation |
| **Joining the framework** | * Students will know how to join timber using a 3 point process (pilot hole, countersink, screw) * Students will know a pilot hole is used to avoid splitting the material * Students will know how to add strength to a frame using strategically placed noggins | Integrity – The condition of being sound of construction | * ***Students will already have a basic knowledge of construction material properties*** * ***Students will already be able to identify appropriate tools and PPE associated to a given construction task*** | Informal  Coursework Moderation |
| **First fix electrical** | * Students will know that electrical cables must run directly above or horizontally from the box for safety purposes * Students will know how to secure an electrical back box to a frame * Students will know how to prepare and dress three core cable * Students will know how to join three core cable to a face plate | Terminal – a point of connection  Dress – strip insulation from a cable and prepare the copper braid | * ***Students will already know the live, neutral and earth colours from science*** * ***Students will have a basic understanding of electrical safety*** | Informal  Coursework Moderation |