



# MYP Construction Apprentice Prep 2

## 9<sup>th</sup> - 11<sup>th</sup> Grade

- A1 9-10.RST.4 - Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 9-10 texts and topics.
- A2 Demonstrate accurate measuring with standard construction tools.
- A3 Identify and model proper Personal Protective Equipment (PPE) safety skills and emergency procedures.
- A4 Pass state mandated safety tests for all portable and stationary power equipment with 100% accuracy.
- A5 Identify and demonstrate techniques to frame a wood floor joist system.
- A6 Identify the components of steel framing.
- A7 Lay out stairs and cut out stringers.
- A8 Frame a gable roof.
- B9 Read, interpret and draw plans, elevations, schedules, and details of construction drawings and blue prints.
- B10 Identify, install and finish selected interior building materials.
- B11 Identify and install selected exterior building materials.
- B12 Demonstrate ability to design and build parts of the plumbing system.
- B13 Sketch an electrical system with multiple circuits.
- B14 Design a simple HVAC system.
- C15 9-10.RST.7 - Translate quantitative or technical information expressed in words in a text into visual form (e.g., a table or chart) and translate information expressed visually or mathematically (e.g., in an equation) into words.
- C16 Demonstrate excellent technical skills when working on a construction project.
- C17 Follow the plan created to construct the project assigned.
- C18 Identify, understand, and apply employability skills and workplace readiness skills as required by employers.
- C19 Demonstrate estimating principles of the industry to figure cost of materials.
- C20 Demonstrate ability to identify and safely use hand tools commonly used by carpenters.
- C21 Demonstrate ability to identify and safely use power tools commonly used by carpenters.
- C22 Install an electrical system with multiple circuits.
- D23 9-10.WHST.6 - Use technology, including the Internet, to produce, publish, and update individual or shared writing products, taking advantage of technology's capacity to link to other information and to display information flexibly and dynamically.

- 9-10.WHST.8 - Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the usefulness of each source in answering the research question; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and following a standard format for citation.
- D24
- D25 Model proper clean up practices by keeping area clean and free of hazards.
- D26 Critically evaluate the success of the construction project against the design specifications.
- D27 Explain how the construction project could be improved.