MYP Construction Apprentice Prep 1

9th - 11th 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 and demonstrate techniques to frame a wall.
A7	Identify the sizes and quantities of risers and treads in a stairway.
A8	Lay out a common rafter.
A9	Identify the components of concrete construction.
A10	Identify types and forms of insulation.
B11	Identify, read, and interpret plans, elevations, schedules, and details contained in construction drawings.
B12	Identify and install selected interior building materials.
B13	Identify types and uses of exterior building materials.
B14	Sketch a simple plumbing system.
B15	Sketch a simple electrical system.
B16	Compare different HVAC systems.
C17	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.
C18	Demonstrate excellent technical skills when working on a construction project.
C19	Follow the plan created to construct the project assigned.
C20	Identify, understand, and apply employability skills and workplace readiness skills as required by employers.
C21	Demonstrate estimating principles of the industry.
C22	Demonstrate ability to identify and safely use hand tools commonly used by carpenters.
C23	Demonstrate ability to identify and safely use power tools commonly used by carpenters.
C24	Demonstrate ability to build an electrical system.

D25	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.
D26	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.
D27	Model proper clean up practices by keeping area clean and free of hazards.
D28	Critically evaluate the success of the construction project against the design specifications.
D29	Explain how the construction project could be improved.