

MYP Construction Foundations

9th - 12th 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 Demonstrate ability to identify and safely use hand tools commonly used by carpenters.
- A4 Identify and model proper Personal Protective Equipment (PPE) safety skills and emergency procedures.
- A5 Pass state mandated safety tests for all power equipment with 100% accuracy.
- A6 Identify and demonstrate techniques to frame a wood floor joist.
- A7 Identify and demonstrate techniques to frame a wall.
- A8 Identify the various parts and types of stairways.
- A9 Identify components of a HVAC system.
- A10 Identify the basic components of concrete construction.
- A11 Identify types and forms of insulation.
- B12 Identify, read, and interpret plans, elevations, schedules, and details contained in construction drawings.
- B13 Identify the basic styles and components used in roof framing.
- B14 Identify and install selected interior building materials.
- B15 Identify types and uses of exterior building materials.
- B16 Identify components in the plumbing system.
- 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 Identify, understand, and apply employability skills and workplace readiness skills as required by employers.
- C19 Demonstrate estimating principles of the industry.
- C20 Demonstrate ability to build a simple circuit.
- C21 Demonstrate ability to identify and safely use power tools commonly used by carpenters.
- D22 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.

- D23 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 Model proper clean up practices by keeping area clean and free of hazards.