Introduction to Architecture & Construction
Course Number: 17006

Rationale Statement:

- This course will meet the students individual needs by examining related curriculum used to fabricate wood products.

Suggested Grade level: 9^{th} – 12^{th}

Topics covered:

- Safety
- Wood identification
- Project Assembly
- Equipment
- Math and Reading skills
- Proper terms and definitions

Core Technical Standards & Examples

Indicator #1: Observe rules and regulations to comply with personal and shop safety.	
Bloom's Taxonomy Level	**Standard and Examples**
Application	**IAC1.1** Apply hand/power tool and shop safety Examples: • Identify proper safety procedures in the lab • Select materials to enhance hand/power tool and lab safety • Examine the proper hand/power tool and lab safety.
Knowledge	**IAC1.2** Identify basic first aid procedures in emergency situations. Examples: • Demonstrate Basic first aid procedures on a manikin. • Choose a mock demonstration using proper safety techniques.
Analysis	**IAC1.3** Identify proper terminology and examine career possibilities Examples: * Prepare a report about the area of study

	* Design a questionnaire for an interview. * Write a biography about a historic person in the field.
Indicator #2: Study principles, characteristics and standards pertaining to woodworking materials.	
Analysis	**IAC2.1** Select variations of wood materials. Examples: • Differentiate the differences between hardwoods and softwoods • Define the various grades of material • Translate wood terminology
Knowledge	**IAC2.2** Describe the basics of math principles. Examples: • Discuss the use of the tape measure • Identify the correct procedure for figuring bd. Ft. • Explain the procedure in calculating bd. Ft. • Define Bill of Materials and Project estimating
Indicator #3: Integrate woodworking technology to achieve finished woodworking project.	
Synthesis	**IAC3.1** Design a blueprint for the finish project. Examples: • Complete a drawing of what you are going to construct • Examine the size of project • Show a model of your project
Synthesis	**IAC3.2** Construct a project using the assigned design process. Examples: • Classify the materials used for the project • Identify the joinery and assembly • Create a finish project