Wood Arts Honors - Unit 5 - Advanced Cabinetry and Furniture Making

Content Area: **Arts**
Course(s):
Time Period: **Semester 1**
Length: **Year**
Status: **Published**

Student Learning Standards:

- Standard 9.3.8.A.3: Analyze and interpret technical drawings and blueprints related to woodworking projects.
- Standard 9.3.8.B.1: Demonstrate knowledge of various woodworking materials and their properties.
- Standard CS.K–12.3.5.1.A: Apply spreadsheet software to create a materials inventory and cost estimation for cabinetry and furniture projects.
- Standard 1.4.8.B: Collaborate with peers to plan and execute complex woodworking projects, considering both functional and aesthetic aspects.

Enduring Understandings:

1. Students will understand that technical drawings and blueprints serve as indispensable guides, providing all the crucial information required for the successful planning and execution of cabinetry and furniture projects.
2. Students will understand that a deep comprehension of the unique properties of various woodworking materials is essential for making informed decisions that impact the structural integrity, aesthetic quality, and longevity of cabinetry and furniture.
3. Students will understand that the successful creation of cabinetry and furniture integrates precise interpretation of technical documentation with an insightful understanding of material science to achieve both functional excellence and design integrity.

Essential Questions:

1. How do technical drawings and blueprints serve as indispensable guides, informing every stage of planning and execution for successful cabinetry and furniture projects?
2. What critical factors, including material properties and intended use, should be thoroughly considered when selecting the most appropriate woodworking materials for cabinetry and furniture making?
3. How does the precise interpretation of technical documentation, combined with an insightful understanding of material science, lead to both the functional excellence and design integrity of finished cabinetry and furniture?

Knowledge & Skills:

- Proficiency in analyzing and interpreting technical drawings .
- Knowledge of various woodworking materials and their properties.
- Application of digital tools to create materials inventories and cost estimations.
- Collaboration with peers to plan and execute complex woodworking projects.

Resources:

- Technical drawings and blueprints for cabinetry and furniture projects.
- Reference materials on woodworking materials and their properties.
- Collaborative resources for planning and executing complex woodworking projects.

Transfer Goals:

1. Interpret and utilize technical drawings and blueprints for cabinetry and furniture projects.
2. Demonstrate knowledge of woodworking materials and their properties in cabinetry and furniture making.

Assessments

Assessments

Modifications

Modifications