

**URBANDALE COMMUNITY SCHOOL DISTRICT
CURRICULUM FRAMEWORK OUTLINE**

SUBJECT:	Vocational Education
COURSE TITLE:	Cabinetmaking and Millwork
PREREQUISITES:	C or above in Woodworking Technology and instructor approval
	1 Semester

COURSE DESCRIPTION:

Cabinetmaking & Millwork is a course that provides students the opportunity to continue their studies in types of wood materials, hand and portable tools, industrial machines, joinery, fastening techniques, finishing, terminology and safety as well as research and design. Having knowledge in these areas leads to well informed consumers and crafts people. It may also lead to a career in the cabinetmaking and millwork industry or just a possible hobby.

CONTENT STANDARDS AND COURSE BENCHMARKS:

In order that our students may achieve the maximum benefit from their talents and abilities, the students of Urbandale Community School District's Cabinetmaking and Millwork course should be able to...

Content Standard I. Demonstrate comprehension, computation, and applied technology skills.

Benchmarks: Display the ability to interpret and/or develop working drawings.
Demonstrate industrial math literacy.
Demonstrate understanding of materials required for product construction.
Demonstrate the safe and proper use of equipment.
Apply appropriate woodworking techniques and terminologies.

Content Standard II. Develop communication, employability and life management skills.

Benchmarks: Demonstrate an awareness/practice site safety management.
Display responsibility, self-esteem, sociability, self-management, integrity, and honesty.
Demonstrate leadership and fellowship qualities.
Demonstrate problem-solving skills.



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**CONTENT STANDARDS AND COURSE BENCHMARKS WITH INDICATORS
FOR CABINETMAKING AND MILLWORK:**

Standard I. Demonstrate comprehension, computation, and applied technology skills. Students in Cabinetmaking and Millwork should be able to...

Benchmark: Display the ability to interpret and/or develop working drawings.

Indicators: Develop plan of procedure for a woods project, figuring board feet and selecting materials.
Apply advanced woodworking terminologies.
Utilize advanced woodworking techniques to construct a project.

Benchmark: Demonstrate industrial math literacy.

Indicators: Read a rule/tape measure within 1/16th of an inch.
Calculate board feet, material costs, and linear feet.

Benchmark: Demonstrate understanding of materials required for product construction.

Indicators: Identify different types of wood and wood products, standard sizes and general costs.
Identify various types of fastening methods.
Identify various stains and application procedures.
Identify finishes, their uses, and their precautions.

Benchmark: Demonstrate the safe and proper use of equipment.

Indicators: Demonstrate safe use of portable air/electric tools.
Maintain and service machines and equipment.

Benchmark: Apply appropriate woodworking techniques and terminologies.



Indicators: Identify and apply common and advanced wood joints.
Select and use jigs and fixtures for machine operations.
Prepare surfaces for finishing.
Construct patterns for duplication.
Interpret working drawings.
Identify component parts of a cabinet.

**Standard II. Develop communication, employability and life management skills.
Students in Cabinetmaking and Millwork should be able to...**

Benchmark: Demonstrate an awareness/practice site safety management.

Indicators: Demonstrate proper lifting techniques.
Identify appropriate first aid procedures.

Benchmark: Display responsibility, self-esteem, sociability, self management, integrity, and honesty.

Indicators: Exert a high level of effort and perseverance toward goal attainment.
Demonstrate belief in own self-worth and maintain a positive view of self.
Demonstrate understanding/friendliness/empathy in group settings.
Take responsibility for mistakes and/or good work.

Benchmark: Demonstrate leadership and fellowship qualities.

Indicators: Utilize time effectively.

Benchmark: Demonstrate problem-solving skills.

Indicators: Use various resources to locate necessary information.
Apply advanced woodworking principles in creating solutions.

No student enrolled in the Urbandale Community School District shall be excluded from participation in, be denied the benefits of, or be subjected to discrimination in the District's programs on the basis of race, color, creed, sex, religion, marital status, ethnic background, national origin, disability, sexual orientation, gender identity, or socio-economic background. The policy of the District shall be to provide educational programs and opportunities for students as needed on the basis of individual interests, values, abilities and potential.

