

URBANDALE COMMUNITY SCHOOL DISTRICT
CURRICULUM FRAMEWORK

SUBJECT:	Vocational Education	
COURSE TITLE:	Woodworking Technology	
PREREQUISITES:	None	1 Semester

COURSE DESCRIPTION:

Woodworking Technology is a course which provides students the opportunity to study and use basic types of wood materials, hand and portable tools, industrial machines, joinery, fastening techniques, finishing, terminology and safety. Having knowledge in these areas leads to well informed consumers and crafts people. It may also lead to a career in a wood-related industry or just a possible hobby.

CONTENT STANDARDS AND BENCHMARKS:

In order that our student may achieve the maximum benefit from their talents and abilities, the student of Urbandale Community School District's Woodworking Technology 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.



**Urbandale Community School District
Curriculum Framework Outline**

Subject:	Vocational Education	
Course Title:	Woodworking Technology	
Prerequisites:	None	1 Semester

**CONTENT STANDARDS AND COURSE BENCHMARKS WITH INDICATORS
FOR WOODWORKING TECHNOLOGY:**

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

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

Indicators: Layout stock for either solid lumber or sheet materials.
Use woodworking terminologies.
Utilize techniques needed to construct project.

Benchmark: Demonstrate industrial math literacy.

Indicators: Figuring board feet.
Read a rule/tape measure.
Add and subtract fractions.
Measure, calculate, and layout specific measurements.
Transfer measurements from plan to project.

Benchmark: Demonstrate understanding of materials required for product construction.

Indicators: Differentiate between hardwoods and softwoods.
Identify sanding tools and materials and proper procedures for hand sanding.

Benchmark: Demonstrate the safe and proper use of equipment.

Indicators: Identify general hand tools and stationary tools.
Follow general lab safety and procedures.
Use appropriate tools and machines to construct a product
Set up and operate stationary and portable tools safely and accurately.



Benchmark: Apply appropriate woodworking techniques and terminologies.

Indicators: Identify and apply common wood joints.
Use proper clamping procedures and identify types available.
Identify sanding tools and materials and proper procedures for hand sanding.
Prepare surfaces for staining.

**Standard II. Develop communication, employability and life management skills.
Students in Woodworking Technology should be able to:**

Benchmark: Demonstrate an awareness/practice site safety management.

Indicators: Comply with lab and equipment safety rules (e.g., Wear safety glasses).
Identify safe and unsafe practices when working with equipment.
Maintain clean and orderly work area.
Follow maintenance procedures (e.g., reporting equipment failures).

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

Indicators: Attend on time and be on task
Demonstrate trustworthy behavior (e.g., Work without direct supervision).
Accept, perform, and complete all duties.
Manage time and materials effectively.

Benchmark: Demonstrate leadership and fellowship qualities.

Indicators: Work beyond instruction.
Accept and benefit from constructive criticism.
Work cooperatively with others.

Benchmark: Demonstrate problem-solving skills.

Indicators: Define the problem.
Identify appropriate techniques.
Apply woodworking principles in creating solutions.
Assess results and determine next step.

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.

