

URBANDALE COMMUNITY SCHOOL DISTRICT
CURRICULUM FRAMEWORK OUTLINE

SUBJECT:	Vocational Education
COURSE TITLE:	Grade 8 Industrial Technology Education
GRADE LEVEL:	8
PREREQUISITES:	None

COURSE DESCRIPTION:

Industrial Technology at Urbandale Middle School makes use of a modular technology lab which incorporates the study and use of technology in self-guided modules using multimedia/multimodal curriculum. The students have the opportunity to complete hands-on activities that are related to present-day concerns and topics. Industrial Technology is required for all seventh and eighth graders. A pair of students work cooperatively together at a module for seven days and then rotate to a different module with a new partner. Students complete five modules in seventh grade and five additional modules in eighth grade. The module framework consists of the following backbone items: learner preparation, module guide, reading time, research, challenges, and applications (RCAs), cooperative exploration, post test, and enrichments.

CONTENT STANDARDS AND BENCHMARKS:

In order that our students may achieve the maximum benefit from their talents and abilities, the students of Urbandale Community School District's Grade 8 Industrial Technology course should be able to . . .

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

- Benchmarks:
- Use technological resources appropriately and safely.
 - Use available technological resources to solve problems.
 - Use a variety of methods to communicate ideas, concepts, and other information.
 - Perform basic computer operations.

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

- Benchmarks:
- Demonstrate self regulation.
 - Practice personal responsibility skills.
 - Demonstrates problem solving skills.



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**CONTENT STANDARDS AND COURSE BENCHMARKS WITH INDICATORS
FOR GRADE 8 INDUSTRIAL TECHNOLOGY EDUCATION:**

Standard I. Demonstrate comprehension, computation, and applied technology skills. Students in Grade 8 Industrial Technology should be able to ...

Benchmark: Use technological resources appropriately and safely.

Indicators: Follows correct operating procedures for classroom equipment.
Follows proper safety regulations.
Practices responsible decision making in use of technology.

Benchmark: Use available technological resources to solve problems.

Indicators: Complete assignments using assigned technology.
Uses proper trouble shooting procedures to solve problems.

Benchmark: Use a variety of methods to communicate ideas, concepts, and other information.

Indicators: Uses verbal methods of communication with coworkers.
Utilizes writing skills in completion of projects.
Uses visual methods to communicate concepts and ideas.

Benchmark: Perform basic computer operations.

Indicators: Open and close applications and files.
Correctly save files.
Follow proper startup and shutdown procedures.
Ability to navigate to correct locations within the computer.

Standard II. Develop communication, employability, and life-management skills. Students in Grade 8 Industrial Technology should be able to ...



Benchmark: Demonstrate self regulation.

Indicators: Completes activities and events within appropriate timeline.
Self evaluates work completion.
Communicates at appropriate time and place.

Benchmark: Practice personal responsibility skills.

Indicators: Arrives to class on time.
Completes assigned work on time.
Cleanups in a appropriate amount of time.
Uses work time wisely.

Benchmark: Demonstrates problem solving skills.

Indicators: Engage intensely in tasks, even when answers or solutions are not immediately apparent.
Ability to look at problems from different viewpoints.
Ability to utilize available resources to solve problems.
Push limits of their own knowledge and ability.

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.

