

01_Safety Precautions

Content Area: **Special Education**
Course(s):
Time Period: **Semester**
Length: **1 Week**
Status: **Published**

General Overview, Course Description or Course Philosophy

Do-It-Yourself (DIY) Tech is a one semester course at the high school. This class enables students to understand how to address basic household repairs while students safely use and maintain appropriate tools, machinery, equipment, and resources to accomplish project goals.

OBJECTIVES, ESSENTIAL QUESTIONS, ENDURING UNDERSTANDINGS

Objectives:

- Students will be able to identify and mediate potential hazards in the home by understanding the risks that can occur and minimizing those dangers by making safety a priority.

Essential Questions:

- How can we apply what we are learning about safety precautions to new situations outside of the school experience?

Enduring Understandings:

- It is important to assess and analyze the hidden dangers in the home.
- Understand how to take corrective action to live in comfort and security.
- Maintain basic safety practices to minimize risks.

CONTENT AREA STANDARDS

9.4.2.CT.1: Gather information about an issue, such as climate change, and collaboratively brainstorm ways to solve the problem.

9.4.2.CT.2: Identify possible approaches and resources to execute a plan.

9.4.2.CT.3: Use a variety of types of thinking to solve problems (e.g., inductive, deductive).

RELATED STANDARDS (Technology, 21st Century Life & Careers, ELA Companion Standards are Required)

CAEP.9.2.12.C

Career Preparation

STUDENT LEARNING TARGETS

Declarative Knowledge

Students will understand that:

- Different jobs require different tools.
- Selecting the appropriate tool makes for a safer work environment.
- Replacing a smoke or carbon monoxide detector battery is essential to maintaining its operation.
- Having appropriate chemical storage eliminates potential home hazards.
- It is important for all members of the household to understand the emergency action plan for that particular residence.
- High-risk home items should be eliminated for potential danger.

Procedural Knowledge

Students will be able to:

- Choose the appropriate hardware and tools to change or install switch plates and outlet covers.
- Test smoke alarms.
- Identify and choose the appropriate batteries to replace in non wired smoke and carbon monoxide detectors.
- Create and understand a household emergency action plan.
- Label and store household solvents and cleaners safely.
- Procedures must be followed correctly and items adequately maintained.

EVIDENCE OF LEARNING

Formative Assessments

do nows, exit slips, performance / participation in various class activities, homework, virtual or in-person

experiences to demonstrate completion of tasks

Summative Assessments

final projects (class presentations, videos, etc), interviews, quizzes, and tests

RESOURCES (Instructional, Supplemental, Intervention Materials)

- Youtube.com
- Homeadvisor.com
- eHow.com
- Howcast.com
- [National Fire Protection Association](#)

INTERDISCIPLINARY CONNECTIONS

Being able to identify and mediate potential hazards by understanding the risks that can occur and minimizing those dangers by making safety a priority is essential in any environment.

ACCOMMODATIONS & MODIFICATIONS FOR SUBGROUPS

See link to Accommodations & Modifications document in course folder.