

MACHINE GUARDING - REFRESHER

INSTRUCTOR'S GUIDE

MODULE OVERVIEW

This module provides a review of the key points of machine guarding and general machine safety. Students learn about the required machine guards and see examples of guards and shields used on the equipment available in the shop. Students review information about safety devices they may encounter in the industry. Students learn to evaluate machines using available safety checklists.

OBJECTIVES

When students have completed this module, they will be able to:

- Identify parts and movements of a machine that must be guarded
- Identify different options for machine guarding
- Explain how safeguarding options are different: for example fixed guards vs. interlocked guards
- List other machine safety items that can generate safety hazards (lamps, tool rest, electrical cords, etc.)
- Use machine safety checklists to identify safety hazards

CLASSROOM (15 min)

PowerPoint presentation: **Machine Guarding – Refresher.pptx**

Handout: **Machine Guarding – Refresher- Handout.pdf**

LAB

none

HOMEWORK

- **Machine Guarding – Refresher – Homework.pdf** – Students complete a machine safety checklist for one piece of equipment they use at school or at home. Checklists are available for lathe, pedestal grinder, surface grinder, belt sander, and disc sander.
- **Quiz**

ADDITIONAL RESOURCES

“I want to know more” folder – machine checklists, fatality reports, information on machine guarding, video on misuse of equipment, solutions for machine guarding.

