

MODULE OVERVIEW

This module provides information on composition and health effects of dust and fumes. Students will identify the tasks that generate dusts and fumes in collision shops. Available engineering controls and work practices that assist with dust and fume elimination and reduction will be discussed and demonstrated. Personal protective equipment suitable for protection against dust and fumes is discussed. Emphasis is placed on proper use and maintenance of respirators.

OBJECTIVES

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

- Identify tasks that generate exposure to dust and fumes.
- List the health effects associated with exposure to different types of dust and fumes.
- Demonstrate use of equipment and work practices that eliminate or reduce exposure to dust and fumes.
- Explain how respirators work and perform user seal checks.
- Identify the information that indicates the dust mask or respirator is NIOSH-certified.

CLASSROOM (15 min)

PowerPoint presentations:

Dust and Fumes – Refresher.pptx – 15 min

Handout:

Dust and Fumes – Refresher - Handout.pdf

Instructor Tool Kit: none

LAB

None

HOMEWORK

- **Dust and Fumes – Refresher - Homework.pdf** – Students read a fact sheet about fiberglass. Students identify the type of dust mask they use at school or at home, listing the code and NIOSH approval number. Students see examples of counterfeit dust masks.
- **Quiz**

ADDITIONAL RESOURCES

“I want to know more” folder – information about dust and fume control options, respirators and dust masks, and welding hazards.

