

**Southwest Center for Microsystems Education (SCME)  
University of New Mexico**

# **Personal Protective Equipment (PPE)**

## **Learning Module**

### **Instructor Guide**

This learning module (LM) contains:  
Learning Module Map (LM outline for instructor)  
Primary Knowledge (Reading Material)  
PPE Activity  
Final Assessment

*The purpose of this learning module is to familiarize participants with the types of PPE found in manufacturing and laboratory environments, the purpose of PPE and what type of PPE is required for different tasks.*

Target audiences: High School, Community College, University

Made possible through grants from the National Science Foundation Department of Undergraduate Education #0830384, 0902411, and 1205138.

Any opinions, findings and conclusions or recommendations expressed in this material are those of the authors and creators, and do not necessarily reflect the views of the National Science Foundation.

Southwest Center for Microsystems Education (SCME) NSF ATE Center  
© 2009 Regents of the University of New Mexico

Content is protected by the CC Attribution Non-Commercial Share Alike license.

Website: [www.scme-nm.org](http://www.scme-nm.org)

## Learning Module (LM) Map for Personal Protective Equipment (PPE)

Learning Module: Personal Protective Equipment

*The purpose of this learning module is to familiarize participants with the types of PPE found in manufacturing and laboratory environments, the purpose of PPE and what type of PPE is required for different tasks.*

Learning Module units (3):

- Primary Knowledge Unit
- PPE Activity
- LM Assessment

Following is a suggested map on the implementation of this learning module.

IMPORTANT STEPS	KEY POINTS	REASONS
Inquiry Exercise	Ask the participants the following questions: What is PPE? What is the purpose of PPE? Where have you used PPE? Why would you use PPE?	These questions will help the participants see that PPE is used for many purposes, for many reasons, and in many places. There should identify that items such as an oven mitt is PPE.
Present the <u>PPE PK</u>	Participants should read the PK.  A PowerPoint presentation can be downloaded by the instructor from <a href="http://scme-nm.org">scme-nm.org</a> and presented to all participants.	After reading the PK, the participants will have a better understanding of the types of PPE that is used in industry and why.
Complete the <u>PPE Activity</u>	Participants are asked to complete a crossword puzzle and several questions relative to PPE.	This activity reinforces the terminology and use of PPE in a fabrication facility.
PPE Assessment	Give the participants the assessment.	Participants are evaluated on what they have learned about PPE.