

Manufacturing Curriculum:

Contextualized Reading
Module

Supplemental Resources from
the Adult Education Field

Statewide Manufacturing Curriculum: Contextualized Reading Module

For use with **Outcome #1**– Preview industry-specific documents to determine prior knowledge – after **activity 1** - Student uses *OSHA Safety Training Handbook* to examine section titles, subtitles and pictures

Students may use the website www.osha.gov/dte/library/materials_library.html

Access free Power Points. Students may do a search for any topic from asbestos to workplace violence by clicking on the search button on the right of this page, view the presentations in groups of two and take the short quizzes on the last few slides on each presentation.

Submitted by Pam Nevius, Illinois Central College

Statewide Manufacturing Curriculum: Contextualized Reading Module

For use with **Outcome #1**– Preview industry-specific documents to determine prior knowledge – after **activity 1** - Student uses *OSHA Safety Training Handbook* to examine section titles, subtitles and pictures

This site provides students with an in-depth understanding of how to function in a manufacturing plant, while providing a brief explanation of OSHA. Once modules are completed an assessment is available.

<http://ies2.ies.ncsu.edu/safetyalways/Module01/module01.htm>
Building a Safety and Health Management System

Submitted by Tiffany M. Bruessard, Prairie State College

Statewide Manufacturing Curriculum: Contextualized Reading Module

For use with **Outcome #1**– Preview industry-specific documents to determine prior knowledge – after **activity 1** - Student uses *OSHA Safety Training Handbook* to examine section titles, subtitles and pictures

The students are required to get familiar with the OSHA site and develop a strong understanding of Labor Laws

<https://www.osha.gov/law-regs.html>
United States Department of Labor

Submitted by Tiffany M. Bruessard, Prairie State College

Statewide Manufacturing Curriculum: Contextualized Reading Module

For use with **Outcome #4** – Use a variety of strategies to identify key industry-specific terms within a document – **Activity 9, Part 1** – Student engages in “going green” lesson activities

This site can be used as a reference for students to develop manufacturing terminology

<http://www.manufacturingterms.com/>
Manufacturing Terms

Submitted by Tiffany M. Bruessard, Prairie State College

Statewide Manufacturing Curriculum: Contextualized Reading Module

For use with **Outcome #2**– Identify main idea and details of authentic industry-specific text materials – after **activity 4** - Student engages in MSDS lesson activities

Students use Google to discuss two MSDS (MATERIAL SAFETY DATA SHEET) for two common classroom products: dry erase cleaner and hand sanitizer.

Submitted by Pam Nevius, Illinois Central College

Statewide Manufacturing Curriculum: Contextualized Reading Module

For use with **Outcome #5**– Define common industry-specific languages – after **activity 10** - Student engages in abbreviations lesson activities

Students may use the website www.manufacturingterms.com

Activity: Each student chooses a letter from the alphabet and accesses the manufacturing acronyms for that letter. They are NUMEROUS! After an allotted time ranging from 30 to 60 minutes, they choose ten and write good definitions to share with the class. This site is a good one for the students with personal computers to bookmark for future reference or to refer to whenever an acronym comes up in a class activity. I have it bookmarked on my Blackboard site as a reference.

Submitted by Pam Nevius, Illinois Central College

Statewide Manufacturing Curriculum: Contextualized Reading Module

For use with **Outcomes #1, 2, 3, 4, 5, 6, 7, 11**

J. J. Keller's Official OSHA Construction Safety Handbook, Fifth Edition Paperback 978-1590424940

We use this in the class as a reading and writing exercise. We explore the ideas and concepts as related to manufacturing. You can have the students answer the questions individually for a grade, and/or have the students' research and present their findings to the class on an expanded project for any of the standards in the text. Each chapter is about four pages long and has ten summary questions at the end. The chapters follow a basic safety standard found in the Occupational Safety and Health Administration (OSHA) Mandate for worker safety laws. Each standard is explained in easy to read and understandable language. There is a reference to the actual safety law, so if your students want to research the subject more, they will know where to start.

For use with **Outcomes #1, 2, 3, 4, 5, 7, 8, 10, 11**

Manufacturing Career Launcher
Ferguson Career Launcher
Paperback 978-0-8160-7990-2

We use this book for an overview of careers in the manufacturing field. We look at a variety of careers and have students pick one that interests them and research and report their findings to the class in the form of a ten-minute power point presentation with a written paper included.

For use with **Outcomes #1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11**

All I Need to Know About Manufacturing I Learned in Joe's Garage: World Class
Manufacturing Made Simple
Paperback 0-9630439-3-5

This is a book written at about a sixth grade level. Joe's Garage explores manufacturing in a non-traditional way. You spend a Saturday with Joe, the owner of a manufacturing company, and a few selected employees, neighbors, high school students and some other significant people individuals, building shelves in Joe's Garage. Among the various topics covered, include Lean Manufacturing and other Japanese/American proven Manufacturing Topics.

Submitted by William G. Kuban, Prairie State College