

Manufacturing Curriculum:

Contextualized Math Module

Supplemental Resources from
the Adult Education Field

Statewide Manufacturing Curriculum: Contextualized Math Module

Resources:

Math for Manufacturing Student Workbook

<http://www.uic.edu/cuppa/techbridge/Resources/resources.html>

This is a very well written and concise manufacturing math workbook, Authored by Dr. Ray Prendergast of Daley College and Stacey Toscas. This workbook is used to show students the way math is really used in manufacturing. It lays out how workers use fractions, decimals, percents, geometry and trigonometry in a real world application form. The book uses actual blueprints and illustrated with actual workers doing measurement tasks, and other parts of their work. **This text used with permission of author.**

This Workbook will satisfy the following:

Outcome Numbers: 1,2,3,4,5,6,7,8,9,10,11

Submitted by William G. Kuban, Prairie State College

Machinery's Handbook 29th Edition - Toolbox with CD

Hardcover 978-0831129002 Industrial Press Publishers

The book is the industry standard since its inception. This book can be used as a supplement or as the actual textbook for the class. It will show students applications for all aspects of math in manufacturing. It is expensive however if you buy a book buy the CD companion for \$15 dollars to put a copy on your computer.

This book will satisfy the following:

Outcome Numbers: 1,2,3,4,5,6,7,8,9,10,11

Submitted by William G. Kuban, Prairie State College

Paycheck Math

This was developed as a way to show students how to understand and figure their paychecks. It follows a standard Excel spreadsheet and uses Federal and Illinois withholding charts, FICA and other things students may encounter being withheld from their checks. All of the files needed to make this project are included.

This Activity will satisfy the following:

Outcome Numbers: 1,2,4,10,11

Submitted by William G. Kuban, Prairie State College