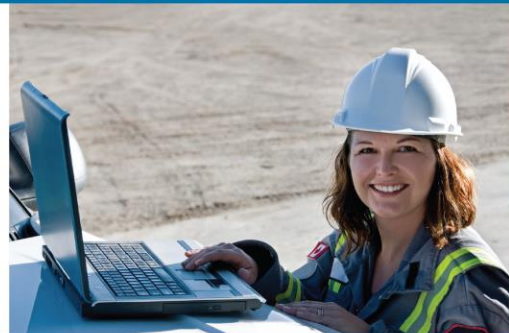
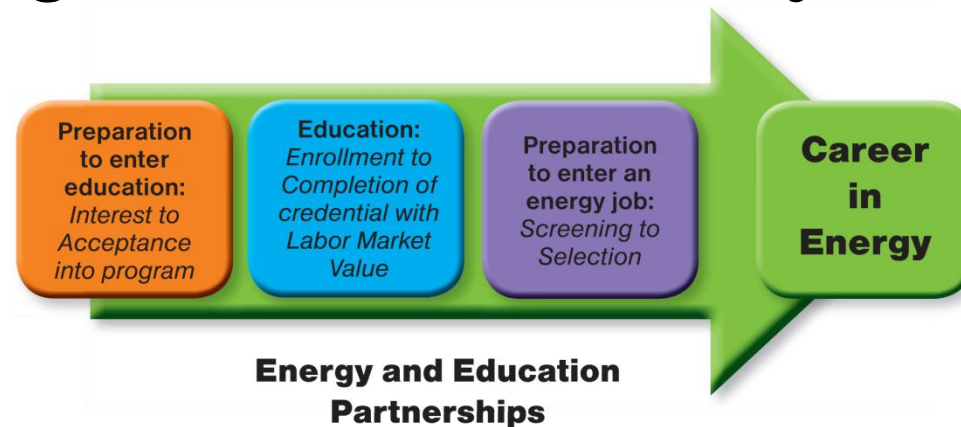


National Energy Education Network

Improving the Student Pathway to Success



Get Into Energy Math and Test Preparation

Increasing Student Success

Deon Clark
Energy Programs Director
Estrella Mountain Community College

Math and Test Prep Workshop Overview

Purpose of the Workshop

To address the high candidate failure rates on pre-employment testing by:

1. Increasing the skill level of students in applied math specific to the energy industry
2. Preparing students for utility pre-employment testing

Workshop Structure

5-Day Workshop

- 3 Days dedicated to Math Preparation
- 2 Days dedicated to Pre-employment Test Preparation

Can be tailored to fit the needs of any class

Math Preparation

Major Topics Covered:

- Whole Numbers
- Percents
- Common Fractions and Mixed Numbers
- Decimals
- Customary and Metric Conversions
- Ratios and Proportions
- Geometry
- Algebra

Math Preparation (cont'd)

Math Section Components:

- Instructor Guide
- Student Guide
- 12 PowerPoint Presentations
- 19 Student Quizzes
- Geometry Worksheet
- Conversion Tables Handout
- Access to over 30 online math tutorials

Pre-employment Test Preparation

Major Topics Covered:

- Mathematical Usage
- Mechanical Concepts
- Spatial Ability
- Tables and Graphs
- Reading Comprehension

Pre-employment Test Preparation (cont'd)

Pre-employment Test Section Components:

- Instructor Guide
- Student Guide
- Pre and Post Test with Instructions
- (5) Assembly Practice Tests
- (5) Mathematical Usage Practice Tests
- (5) Mechanical Concepts Practice Tests
- (5) Tables & Graphs Practice Tests
- (1) Reading Comprehension Practice Test

Workshop Flow

Day-1

- Welcome & Orientation
- 2 hour Pre Test
- Math Training

Day-2

- Continued Math Training

Day-3

- Close out Math Training

Can be tailored to fit the needs of any class

Workshop Flow (cont'd)

Day-4

- Pre-employment Test Training

Day-5

- Close out Pre-employment Test Training
- 2 hour Post Test

Can be tailored to fit the needs of any class

Additional Documents

- Workshop General Overview and Summary
- Online Math Resources List
- Workshop Daily Syllabus
- Workshop Outline and Learning Objectives
- Pre and Post Test Exam Instructions
- Exam keys for all Exams and Quizzes
- Math References for Instructors

Questions??

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