



Construction Curriculum Developed for Continuation Schools

Orlando Yopez

California Polytechnic State University
San Luis Obispo, CA

For this senior project, a curriculum for continuation schools was built. Five modules were created to serve as an introduction to construction fundamentals. The modules consist of Site Safety, Introduction to Basic Math, introduction to Power Tools, Introduction to Construction Drawings, and Basic Employable Skills. Each module will consist of a ten-question quiz and its own lecture presentation. Through these modules students will have the ability to learn from different sections of the construction industry and to apply the learning objectives. These students will be provided a perspective of the construction industry and be inspired to pursue a career/future within this sector.

Key Words: Continuation schools, curriculum, construction education, project-based

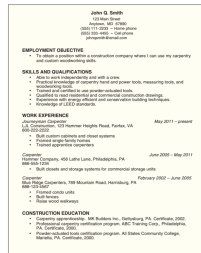


Continuation school in Salinas, CA

Orlando Yopez Continuation School Curriculum : Module 5
Employment Skills Homework Assignment

Instructions: For this assignment you will be creating a resume for yourself that you can use in the future. Please provide truthful and accurate information.

- A resume is a one-sided sheet of information that contains any experience, education, hobbies, and/or skills you may have. The purpose of a resume is to serve you as a benefit when applying from a job. It informs the employer of any special skill or experience you may have. It allows you to sell yourself to prospect employers.
 - A resume isn't supposed to an essay or long sentences
 - A resume contains bullet points summarizing your skills/experiences
 - A resume is supposed to help you, not hurt you. So, make sure it proof-read and has proper punctuation.
- Task**
 - Create a resume
 - Include your address, phone number, and email
 - Have an employer objective
 - Include any skills, experience, qualifications, and education you may have
 - Include specific times when you did this
 - Make sure to use bullet points
 - Don't feel insecure if you don't have much experience right now. This is supposed to serve as a starting point and something you can add to in the future.
- Example:



Orlando Yopez Continuation School Curriculum: Module 1
Safety Quiz

Instructions: Please read the following 10 questions carefully and circle the correct answer. Answer to the best of your ability and seek the instructor if any questions. No cheating.

- The person primarily responsible for your safety is _____.
 - Your foreman
 - Your instructor
 - Your employer
 - Yoursell
- Which is NOT one of the main four leading hazards in construction?
 - Fall hazards
 - Struck-by
 - Fire hazards
 - Caught in/between
 - Electrocution
- Which organizations creates regulations and codes for the construction industry?
 - OSHA
 - FBI
 - Supreme court
 - Construction company
- Which hazard has the most injuries/deaths in the construction industry?
 - Electrocution
 - Sickness
 - Fall hazard
 - Fire hazard
- How many amps of electrical current can kill you?
 - One amp
 - Two amps
 - 10 amps
 - 100 amps
- What does PPE stand for?
 - Protective proof equipment
 - Planned personal equipment
 - Personal protective equipment
- How often should you inspect equipment?
 - Never
 - Only once
 - Sometimes
 - All the time
- What should you do if you are in a situation that doesn't feel safe?
 - Continue working
 - Make the situation worse
 - Communicate with supervisor that you feel unsafe and want proper training
 - Stay quiet because you're afraid you might be fired
- True or False: Safety is important on a construction project.

- True
 - False
10. What should you do to prevent electrical hazard?
- Inspect equipment constantly
 - Nothing; continue working
 - Use GFCI circuit breaker
 - A and C



Book used to create curriculum

HOW TO USE CRITICAL THINKING AND PROBLEM SOLVING ON THE JOBSITE?

- Having the ability to solve problems using critical thinking skills is a valuable skill in the workplace.
- There will be situations in which timely job completion is at risk because a problem suddenly arises.
- When searching for the solution to a problem, it is easy to fall into a trap that prevents you from making the best possible decision. The following are the most common barriers to effective problem solving:
 - Closed-mindedness, Personality conflicts, General fear of change
- Always keep an open mind and listen to other people's ideas.
- Accept change; change is the only constant in life

Module 5: Homework Assignment

Module 1: Safety quiz

Module 5: Basic employable skills lecture