

**The Pennsylvania State University Workforce Education and
Development Competency-Based Teacher Education**

Lesson Plan Template

Name of Instructor: Jeff Weyer
Program Title: Construction Trades
Course Title: 600 Concrete
Unit Title: 604 Lay out and build forms
Lesson Title: FID Lesson 2 Intro to concrete form building Flat work
Lesson Performance Objective: Learn basic parts of concrete forms and their assemblies
Time (length of lesson): 90 Minutes
Equipment and Materials needed: Packet and work sheet in handout
Academic Standard(s) and Anchor(s) and/or Common Core Standard addressed by this lesson:

**Technical Standard(s) or Competencies taught in this lesson: CC.3.5.9-10.A Cite specific textual evidence to support analysis of science and technical texts, attending to the precise details of explanations or descriptions
CC.2.1.HS.F.2 Apply properties of rational and irrational numbers to solve real-world or mathematical Problems.**

Introduction There will be a short introduction lesson covering what is expected when this packet is passed out covering the basics of concrete and form building

Body: Students will have to read Task module 10504 Forming Foundations and Flat work. Then complete assigned questions on worksheet.

There will be an Email sent out with a link to a zoom meeting on the morning of the FID day where I will have online class with a Power point presentation and will cover the packet with the students.

Summary: We will review the material the day the students return to school with a question and answer session.

Student Assessment (attach a copy of the assessment instrument that will be used to assess students for this lesson): (UDL- Multiple Means of Expression)

Formative Assessment(s) A ten question quiz will be given the next day

Summative Assessment: Completed work sheet.

Universal Design for Learning (UDL

Multiple Means of Engagement: Paper Packet and zoom meeting

Multiple Means of Representation: Module and power point

Multiple Means of Expression:

Name _____ Date _____

FID Worksheet 2

Part II

Instructions:

The following footing foundation form diagram has numbers circled pointing to parts of the form. Match these numbers with the letter that represents that part from the given list:

- | | |
|--|-----------|
| A. Key Form | 1. _____ |
| B. Deadman Stake | 2. _____ |
| C. Grade Stake | 3. _____ |
| D. Form Tie | 4. _____ |
| E. Duplex Nails | 5. _____ |
| F. Snap Tie | 6. _____ |
| G. Distance from outside of footer form to foundation wall | 7. _____ |
| H. Outside form board | 8. _____ |
| I. Finish Nail | 9. _____ |
| J. Foundation Wall Corner Location | 10. _____ |
| K. Form Stake | |
| L. Spreader | |
| M. Footing Wall Corner Location | |
| N. Inside Form Board | |
| O. Braces | |

Footer foundation form diagram

