

## Single Set of Learning Objectives Template

Team Name or Number	Seminole State College
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Workforce Training Program	Building Trades and Construction Design Technology (C100100)

Determining the Integrated Education and Training (IET) Single Set of Learning Objectives and Competencies						
Week	Workforce Training Content and Objectives	Basic Skills Content and Objectives	Workforce Prep Activity	Resources and Activities	Required Assessments	
week 1-4 Safety 90hrs	1. Demonstrate understanding and compliance with safety protocols and OSHA info	RLA: Identify specific pieces of evidence, analyze how data or quantitative and/or visual information	1. Provide examples of each of OSHA identified fatal 4 2. Using OSHA data, create graphic representation to provide statistics about fatal 4 incidents	1. www.osha.gov 2. Fatal Four booklet - canvas 3. <a href="https://www.youtube.com/watch?v=3TVRMfnUWhI">https://www.youtube.com/watch?v=3TVRMfnUWhI</a> (Links to an external site) 4. Ladder Safety- 1.pdf 5. <a href="https://www.youtube.com/watch?v=ho8Cy71Dtmc">https://www.youtube.com/watch?v=ho8Cy71Dtmc</a> (Links to an external site.)	1. pass OSHA 10 exam 2. Complete OSHA assignment #1 in canvas 3. Complete OSHA assignment #2 in canvas	
	2. Interpret SDS and explain procedures	MATH: lengths, distance, fractions, areas, weight and volume	Complete SDA worksheet - canvas	1. www.osha.gov - OSHA quick card 2. SDS OSHA Brief	SDS quiz - Canvas	
	3. Discuss/	SCIENCE: Compounds and mixtures	Instructor led discussion of Right to Know"	1. www.osha.gov - OSHA quick card 2. SDS OSHA Brief	SDS quiz - Canvas	
	analyze "Right to Know"	SS: Analyze cause-and-effect relationships	1. Wear PPE at all times in labs	instructor led demo of how to inspect and then properly wear PPE     https://www.youtube.com/watch?v=lfoTLeFooR4	1. Instructor observation of inspection and	

2. Measurement

3. Tape Measure Pro Tips https://www.youtube.com/watch?v=p-AlTvciSQ8

1. Chemistry https://www.youtube.com/watch?v=6QHex91FB5g

Canvas, complete math

dimensions

worksheet by filling in missing

demonstrate

procedure for lab

emergency

accidents

upon data or

evidence.

1. evaluation of

several accidents

with report outlining

what happened and how the accident

components,

between actual

instructor guidelines.

fasteners, etc.

Apply basic electrical theory

Math: Q.5:

Demonstrate

IET Single Set of Learning Objectives		Competencies
Students will apply calculations with whole numbers, fractions and decimals to lab projects as they use available hand and power tools.	Safety	1. proper tool usage; 2. read a measuring tape; 3. work with whole numbers, decimals and fractions; 4. read a measuring tape; 5. follow directions
Students will apply their knowledge of lab safety procedures, OSHA Fatal Four, Right to Know, and use of SDS to analyze, interpret, and graphically represent relevant OSHA statistics.	Safety	1. workplace safety protocols and processes; 2. effective use of graphs; 3. data analysis; 4. reading safety labels.
Students will demonstrate proficiency working with a set of residential drawings by calculating missing dimensions, correctly interpreting symbols, and correctly locating information about electrical, plumbing, and HVAC plans.	Blueprint	1. interpreting drawings; 2. Proficiency with math operations; 3. using a measuring tape; safely using hand and power tools
Students will demonstrate ability to classify the positive and negative aspects of a variety of building materials, hardware, and fixtures by choosing appropriate building materials for a given set of environmental conditions, for a variety of projects.	Materials	1. oral communication; 2. compare/contrast; 3. research skills; 4. vendor familiarity
Using information provided by the instructor, students will correctly calculate area, volume, weight, and surface area of given objects in order to estimate project costs.	Materials	1. estimating; 2. working with numbers; 3. purchasing; 4. developing bid specs

Students will demonstrate basic electrical skills and the ability to apply scientific theories when solving electrical calculations by installing electrical wiring per instructor guidelines.



1. basic wiring; 2. calculate voltage, current and resistance; 3. use multi meter; 4. estimating; 5. collaboration; 6. Teamwork; 7. follow directions



