

Weekly Lesson Plan WEEK 5 (Week of 9/27/21)

Implementing 21st Century Skills through: Critical and Creative Thinking, Communication and Collaboration

Program: ENC

Level 100

Teacher: Randy McDowell

Day	Content / Standard	Core Standard	Skills / Objectives	Activities	Assessment
Monday	Basic Safety POS 100	CC.3.5.11-12 A CC.3.5.11-12 B CC.3.6.11-12 C	(109) Demonstrate scaffold and ladder safety.	Safety instruction on step ladders and climbing step ladders Introductory tasks Apply NEC rules to task objectives	Daily Employability Grade (preparedness, attitude, punctuality, participation) Daily Skill Grade (Observation and oral questioning) Safety Manual check off (step ladders)
Tuesday	SWITCHES AND RECEPTACLES CIRCUITS POS 700 RESIDENTIAL CABLING TECHNOLOGY POS 600	CC.3.5.11-12 A CC.3.5.11-12 B CC.3.6.11-12 C	(101) Demonstrate proper use of personal protective equipment. (660) Demonstrate proper terminations and splicing techniques	Single pole switching Apply NEC rules to task objectives	Daily Employability Grade (preparedness, attitude, punctuality, participation) Daily Skill Grade (Observation and oral questioning) Homework OSHA modules
Wednesday	BASIC SAFETY POS 100 RESIDENTIAL CABLING TECHNOLOGY POS 600	CC.3.5.11-12 A CC.3.5.11-12 B CC.3.6.11-12 C	(101) Demonstrate proper use of personal protective equipment. (660) Demonstrate proper terminations and splicing techniques	Lecture and Ppt on unit 1 Residential wiring book, safety & PPE Single pole switching Apply NEC rules to task objectives	Daily Employability Grade (preparedness, attitude, punctuality, participation) Daily Skill Grade (Observation and oral questioning) OSHA Modules due
Thursday	BASIC SAFETY POS 100 RESIDENTIAL CABLING TECHNOLOGY POS 600	CC.3.5.11-12 A CC.3.5.11-12 B CC.3.6.11-12 C	(161) Identify organizations that set safety, building, and material standards such as U.L., NEMA, BOCA, and OSHA (203) Recognize, identify and safely use saws and chisels.	Lecture and Ppt on unit 1 Residential wiring book, Organizations, plans and permits Introductory tasks	Daily Employability Grade (preparedness, attitude, punctuality, participation) Daily Skill Grade (Observation and oral questioning)
Friday	BASIC SAFETY POS 100 RESIDENTIAL CABLING TECHNOLOGY POS 600	CC.3.5.11-12 A CC.3.5.11-12 B CC.3.6.11-12 C	(161) Identify organizations that set safety, building, and material standards such as U.L., NEMA, BOCA, and OSHA	Lecture and Ppt on unit 1 Residential wiring book, NEC and testing Laboratories. Introductory tasks Apply NEC rules to task objectives	Daily Employability Grade (preparedness, attitude, punctuality, participation) Daily Skill Grade (Observation and oral questioning) Journal (rubric 10 pts)

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Level 200

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Day	Content / Standard	Core Standard	Skills / Objectives	Activities	Assessment
Monday	SWITCHES AND RECEPTACLES CIRCUITS POS 700	CC.3.5.11-12 A CC.3.5.11-12 B CC.3.6.11-12 C	(706) Install a Ground Fault Circuit Interrupter (GFCI) Receptacle. (707) Install an Arc-Fault Circuit Interrupter (AFCI).	Chapter 6 review and study guide questions Work on task objectives Apply NEC rules to task objectives	Daily Employability Grade (preparedness, attitude, punctuality, participation) Daily Skill Grade (Observation and oral questioning) GFCI test
Tuesday	NOCTI Pretest for all seniors	CC.3.5.11-12 A CC.3.5.11-12 B CC.3.6.11-12 C	NOCTI Pretest for all seniors	NOCTI Pretest for all seniors Work on task objectives Apply NEC rules to task objectives	Daily Employability Grade (preparedness, attitude, punctuality, participation) Daily Skill Grade (Observation and oral questioning) GFCI test
Wednesday	SWITCHES AND RECEPTACLES CIRCUITS POS 700	CC.3.5.11-12 A CC.3.5.11-12 B CC.3.6.11-12 C	(706) Install a Ground Fault Circuit Interrupter (GFCI) Receptacle. (707) Install an Arc-Fault Circuit Interrupter (AFCI).	Review study guide questions Work on task objectives Apply NEC rules to task objectives	Daily Employability Grade (preparedness, attitude, punctuality, participation) Daily Skill Grade (Observation and oral questioning)
Thursday	SWITCHES AND RECEPTACLES CIRCUITS POS 700	CC.3.5.11-12 A CC.3.5.11-12 B CC.3.6.11-12 C	(706) Install a Ground Fault Circuit Interrupter (GFCI) Receptacle. (707) Install an Arc-Fault Circuit Interrupter (AFCI).	Chapter 6 test DFCI/AFCI Work on task objectives Apply NEC rules to task objectives	Daily Employability Grade (preparedness, attitude, punctuality, participation) Daily Skill Grade (Observation and oral questioning) Chapter 6 GFCI/AFCI test
Friday	SWITCHES AND RECEPTACLES CIRCUITS POS 700	CC.3.5.11-12 A CC.3.5.11-12 B CC.3.6.11-12 C	(706) Install a Ground Fault Circuit Interrupter (GFCI) Receptacle. (707) Install an Arc-Fault Circuit Interrupter (AFCI).	Read and review article on GFCI Work on task objectives Apply NEC rules to task objectives	Daily Employability Grade (preparedness, attitude, punctuality, participation) Daily Skill Grade (Observation and oral questioning) Journal (rubric 10 pts)

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Level 300

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Day	Content / Standard	Core Standard	Skills / Objectives	Activities	Assessment
Monday	AC/DC FUNDAMENTALS POS 300	CC.3.5.11-12 A CC.3.5.11-12 B CC.3.6.11-12 C	(3060) Identify electrical parts and their symbols (3062) Identify the parts of a complete circuit	Complete chapter 1 Power and power factor Work on task objectives Apply NEC rules to task objectives	Daily Employability Grade (preparedness, attitude, punctuality, participation) Daily Skill Grade (Observation and oral questioning)
Tuesday	NOCTI Pretest for all seniors	CC.3.5.11-12 A CC.3.5.11-12 B CC.3.6.11-12 C	NOCTI Pretest for all seniors	NOCTI Pretest for all seniors Work on task objectives Apply NEC rules to task objectives	Daily Employability Grade (preparedness, attitude, punctuality, participation) Daily Skill Grade (Observation and oral questioning)
Wednesday	AC/DC FUNDAMENTALS POS 300	CC.3.5.11-12 A CC.3.5.11-12 B CC.3.6.11-12 C	(3060) Identify electrical parts and their symbols (3062) Identify the parts of a complete circuit	Review Chapter 1 tech check questions Work on task objectives Apply NEC rules to task objectives	Daily Employability Grade (preparedness, attitude, punctuality, participation) Daily Skill Grade (Observation and oral questioning)
Thursday	AC/DC FUNDAMENTALS POS 3000	CC.3.5.11-12 A CC.3.5.11-12 B CC.3.6.11-12 C	3068 Trace the distribution of voltage, current, and resistance in a series circuit	Chapter 1 test Circuits Work on task objectives Apply NEC rules to task objectives	Daily Employability Grade (preparedness, attitude, punctuality, participation) Daily Skill Grade (Observation and oral questioning) Chapter 1 test
Friday	AC/DC FUNDAMENTALS POS 3000	CC.3.5.11-12 A CC.3.5.11-12 B CC.3.6.11-12 C	3068 Trace the distribution of voltage, current, and resistance in a series circuit	Complete series- parallel circuit worksheet calculations. Work on task objectives Apply NEC rules to task objectives	Daily Employability Grade (preparedness, attitude, punctuality, participation) Daily Skill Grade (Observation and oral questioning) Journal (rubric 10 pts) Worksheet completion