

Weekly Lesson Plan WEEK 4 (Week of 9/20/21)

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	POS 100 Basic Safety	CC.3.5.11-12 A CC.3.5.11-12 B CC.3.6.11-12 C	(106) Identify four classes of fire extinguishers (160) Identify and follow the Electrical and Network Cabling Technology Program's rules and procedures	Review first week's journals Fire Safety, fire extinguishers Cutting stripping and twisting wires	Daily Employability Grade (preparedness, attitude, punctuality, participation) Daily Skill Grade (Observation and oral questioning) Safety Manual check off (step ladders)
Tuesday	POS 100 Basic Safety	CC.3.5.11-12 A CC.3.5.11-12 B CC.3.6.11-12 C	(107) Demonstrate basic electrical safety. (108) Using Perform Lockout/Tagout.	Lock out Tag out presentation Introductory tasks, stripping, terminating, and splicing wires and cables 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	All shop day Introductory tasks, stripping, terminating, and splicing wires and cables Apply NEC rules to task objectives	Daily Employability Grade (preparedness, attitude, punctuality, participation) Daily Skill Grade (Observation and oral questioning)
Thursday	BASIC SAFETY POS 100	CC.3.5.11-12 A CC.3.5.11-12 B CC.3.6.11-12 C	(160) Identify and follow the Electrical and Network Cabling Technology Program's rules and procedures	NAMI assembly Introductory tasks, stripping, terminating, and splicing wires and cables Apply NEC rules to task objectives	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, safety & PPE 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)

Weekly Lesson Plan WEEK 4 (Week of 9/20/21)

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

Program: ENC

Level 200

Teacher: Randy McDowell

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).	unit 6 chapter 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)
Tuesday	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).	Lecture on AFCI protection, where required, what they do 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).	Chapter 6 study guide Intro to OSHA general industry certification 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	BASIC SAFETY POS 100	CC.3.5.11-12 A CC.3.5.11-12 B CC.3.6.11-12 C	(160) Identify and follow the Electrical and Network Cabling Technology Program's rules and procedures	NAMI assembly Introductory tasks, stripping, terminating, and splicing wires and cables Apply NEC rules to task objectives	Daily Employability Grade (preparedness, attitude, punctuality, participation) Daily Skill Grade (Observation and oral questioning)
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).	IDCI and surge suppression 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)

Weekly Lesson Plan WEEK 4 (Week of 9/20/21)

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

Program: ENC

Level 300

Teacher: Randy McDowell

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	Parallel Circuit lecture and demonstration of tracing properties in a parallel circuit 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	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 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)
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	Lecture, magnetism, inductance and capacitance. 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	BASIC SAFETY POS 100	CC.3.5.11-12 A CC.3.5.11-12 B CC.3.6.11-12 C	(160) Identify and follow the Electrical and Network Cabling Technology Program's rules and procedures	NAMI assembly Introductory tasks, stripping, terminating, and splicing wires and cables Apply NEC rules to task objectives	Daily Employability Grade (preparedness, attitude, punctuality, participation) Daily Skill Grade (Observation and oral questioning)
Friday	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	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) Journal (rubric 10 pts)