

Long Range Lesson Plan

Program:ROB

Teacher: Passante

Day	Skills/Tasks	Assignments
Week of November 2	110. OSHA 10-Hour General Industry Certification	Career-Safe Assignment
EASTERN closed November 3	School Closed	School Closed
November 4	110. OSHA 10-Hour General Industry Certification 301. Identify and Select Electro-Mechanical Tools 305. Identify, Cut, Strip, Splice and Connect Non-Metallic Cable 310. Connect an Incandescent Light Fixture 311. Connect a Three-Wire 120 VAC Plug to an Electric Cord 312. Install a Circuit Breaker in a Service Panel 314. Install a Crimp Connector on a Wire	Career-Safe Assignment Tool Safety Quiz and Worksheet Start Wire Splices and Terminations Wiring Project 1
November 5	110. OSHA 10-Hour General Industry Certification 302. Identify Solid and Stranded Conductors 306. Identify, Connect and Install Duplex Receptacles	Career-Safe Assignment Wiring Project 2
November 6	110. OSHA 10-Hour General Industry Certification 303. Identify American Wire Gauge (AWG) Sizes 307. Identify, Connect and Install Single Pole Switch Circuits	Career-Safe Assignment Wiring Project 6
Week of November 9	110. OSHA 10-Hour General Industry Certification 304. Describe Five Common Classifications of Insulation and Give an Application of Each 308. Identify, Connect and Install Three-Way Switch Circuits	Career-Safe Assignment Wiring Project 11

November 10	110. OSHA 10-Hour General Industry Certification 309. Identify, Connect and Install Four-Way Switch Circuits	Career-Safe Assignment Wiring Project 12
November 11	110. OSHA 10-Hour General Industry Certification 313. Select Overcurrent Protection for Small Conductors NEC 240.4 (D)	Career-Safe Assignment Wiring Project 14
November 12	110. OSHA 10-Hour General Industry Certification 315. Connect and Operate a Ground Fault Circuit Interrupt (GFCI) Receptacle	Career-Safe Assignment Wiring Project 18
November 13	110. OSHA 10-Hour General Industry Certification 401. Solder and Inspect a Connection on a Printed Circuit Board 402. Unsolder a Connection Using a Solder Wick	Career-Safe Assignment Wiring Project 21 Soldering Project
Week of November 16	110. OSHA 10-Hour General Industry Certification 403. Unsolder a Connection Using a Solder Sucker Pump 404. Solder a DB9 Connector to a Multi-conductor Cable 501. Calculate Series Resistance Given Each Load's Resistance 502. Use Ohm's Law to Calculate Voltage, Current, and Resistance in a Series Circuit	Career-Safe Assignment Wiring Project 22 Soldering Project
November 17	110. OSHA 10-Hour General Industry Certification 405. Solder Wires to the Terminals of an Electrical Component 406. Solder Wires to an Amphenol Connector 503. Demonstrate Verification of Kirchhoff's Voltage Law 504. Calculate the Total Power Used by a Series Circuit	Career-Safe Assignment Wiring Project 23 Soldering Project 12VDC ad 24VDC Power in a Series Worksheets_LESSON
November 18	110. OSHA 10-Hour General Industry Certification 407. Solder Splice a Wire 505. Calculate the Main Line Current in a Parallel Circuit	Career-Safe Assignment Wiring Project 24 Soldering Project 12VDC ad 24VDC Parallel Current Worksheets_LESSON

	506. Calculate the Total Parallel Resistance	
November 19	110. OSHA 10-Hour General Industry Certification 507. Calculate the Total Power Used in a Parallel Circuit 508. Trace the Current Path in a Combination Circuit	Career-Safe Assignment Wiring Project 21 12VDC ad 24VDC Solving Parallel Resistance Worksheets_LESSON
November 20	110. OSHA 10-Hour General Industry Certification 509. Solve a Combination Circuit 510. Use the Resistor Color Codes to Determine the Value of a Resistor	Career-Safe Assignment Steps for Solving a Combination Circuit_LESSON Breadboard Project 1 and 2
Week of November 23	110. OSHA 10-Hour General Industry Certification 511. Connect and Operate a Basic Lighting Circuit 512. Connect and Operate a Rheostat as a Light Dimmer	Career-Safe Assignment Breadboard Project 3 and 4
November 24	110. OSHA 10-Hour General Industry Certification 513. Connect and Operate a Potentiometer 514. Operate a Circuit Using a Fuse	Career-Safe Assignment Breadboard Project 5 and 6
November 26	110. OSHA 10-Hour General Industry Certification 515. Test and Replace a Fuse Operate a Circuit Using a Circuit Breaker 516. Test and Reset a Circuit Breaker	Career-Safe Assignment Breadboard Project 7 and 8
EASTERN Closed November 26	School Closed	School Closed
EASTERN Closed November 27	School Closed	School Closed