

1st Year Lesson Plan School Year 2024 - 2025

Ses.	Dates	Test	Instruc.	Sub.	Lesson # / Lesson Description	Workbook #
1	9/9 - 9/12	No Test			LMS Registration , How-to's of LMS/CML Rules & Pol. Review, JW Evals and Work Reports Comet An Introduction to the COMET Program	
				HOMEWORK	Harassment Prevention: 2024 - CML	HOMEWORK
2	9/23 - 9/26	No Test	A.A.	Cons. Your Future	1. What to Expect	LMS -CML
				Cons. Your Future	2. Opportunities Abound	LMS -CML
				Cons. Your Future	3. Personal Resp. & Expectations	LMS -CML
				Cons. Your Future	4. Safety Never Takes a Break	LMS -CML
			M.M.	Cons. Your Future	5. What it Takes to Succeed	LMS -CML
				Intro. To Appren.	1. Welcome to the Beginning of Your Elect. Career	LMS -CML
				Intro. To Appren.	2. Preparing for your Apprenticeship	LMS -CML
				Intro. To Appren.	3. The Economics of Working in Construction	LMS -CML
			D.H.	Lab	Applications Manual Chapters 1, 2, 3, & 20 (Splicing & Fill)	
3	10/7 - 10/10	No Test	A.A.	Intro. To Appren.	4. The Organized Electrical Industry	LMS -CML
				Intro. To Appren.	5. Reaping the Rewards of the IBEW/NECA Partn.	LMS -CML
				IBEW Orientation	1. Becoming Familiar with the IBEW Constitution	LMS -CML
			M.M.	IBEW Orientation	2. Understanding Your Local Union By-Laws	LMS -CML
				IBEW Orientation	3. Parliamentary Procedure and How it Works	LMS -CML
				IBEW Orientation	4. An Introduction to the Comet Program	LMS -CML
			D.H.	Lab	Applications Manual Chapter 10 (Knots & Ladders)	J300.K
4	10/21 - 10/24	Test #1	A.A.	Elect. Job Info 1	1. Safety and Awareness in the Workplace	LMS -CML
				Elect. Job Info 1	2. Identifying Basic Tools and Materials	LMS -CML
				Elect. Job Info 1	3. Basics of Insulated Conductors	LMS -CML
			M.M.	Elect. Job Info 1	4. Choosing and Installing Anchors and Fasteners	LMS -CML
				Elect. Job Info 1	5. Types of Building Construction	LMS -CML
				Elect. Job Info 1	6. Conductor Installation	LMS -CML
			D.H.	Lab	Milwaukee Power Tools 101	J300.K
5	11/4- 11/7	No Test	A.A.	Elect. Job Info 1	7. Devices and Switches	LMS -CML
				Elect. Job Info 1	8. Intro to Firestopping	LMS -CML
				Elect. Job Info 1	9. Sizing Building Wire	LMS -CML
				Elect. Job Info 1	10. Topic Review	LMS -CML
			M.M.	OSHA 10	1. OSHA Policies and Procedures	J050.SW
				OSHA 10	2. Record Keeping Basics, Inspections, Penalties, Citations	J050.SW
				OSHA 10	3. General Safety and Health Provisions (Subpart C)	J050.SW
			D.H.	Lab	Hole Cutting, Drilling and Knockout Tool Use	J300.K

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6	11/18- 11/21	Test #2	A.A.	Conduit Sys. Fab. 1	1. Raceways and Conduit Systems	LMS -CML
				Conduit Sys. Fab. 1	2. Cutting and Threading Conduit	LMS -CML
				Conduit Sys. Fab. 1	3. Hand Bending 90 Degree Bends	LMS -CML
			M.M.	OSHA 10	4. Value of Safety and Health	J050.SW
				OSHA 10	5. Fall Protection (Subpart M)	J050.SW
				OSHA 10	6. Electrical Safety (Subpart K)	J050.SW
			D.H.	Lab	Conduit Bending (90 degree Bends)	J300.K
*** BRING GLOVES AND SAFETY GLASSES ***						
7	12/9- 12/12	No Test	A.A.	Conduit Sys. Fab. 1	4. Hand Bending Offsets and Kicks	LMS -CML
				Conduit Sys. Fab. 1	5. Hand Bending Saddles and Corner Offsets	LMS -CML
				Conduit Sys. Fab. 1	6. Underground Conduit Installation	LMS -CML
			M.M.	OSHA 10	7. General Construction Hazards	J050.SW
				OSHA 10	8. Personal Protection and Life Saving Equipment	J050.SW
				OSHA 10	9. Health Hazards in Construction (Subpart D)	J050.SW
			D.H.	Lab	Conduit Bending (Threading Rigid)	J300.K
8	1/6 - 1/9	Test #3	A.A.	Conduit Sys. Fab. 2	1. Mechanical and Electric Benders	LMS -CML
				Conduit Sys. Fab. 2	2. Hydraulic Benders	LMS -CML
				Conduit Sys. Fab. 2	3. Advanced Bending Techniques	LMS -CML
			M.M.	OSHA 10	10. Materials Handling, Storage, Use, & Disposal	J050.SW
				OSHA 10	11. Tools, Hand and Power (Subpart I)	J050.SW
				OSHA 10	12. Scaffolds, (Subpart L)	J050.SW
			D.H.	Lab	Conduit Bending (continued)	J300.K
9	1/21 - 1/23	No Test	A.A.	C. S. & P. 1 - 2023	1. Introduction to the NEC	LMS -CML
				C. S. & P. 1 - 2023	2. Interpreting Language of the NEC	LMS -CML
				C. S. & P. 1 - 2023	3. Understanding and Applying Article 110	LMS -CML
			M.M.	OSHA 10	13. Cranes, Derricks, Hoists, Elevator, & Coveyers	J050.SW
				OSHA 10	14. Excavations (Subpart P)	J050.SW
				OSHA 10	15. Strairways and Ladders (Subpart X)	J050.SW
			D.H.	Lab	Conduit Bending (continued)	J300.K
10	2/3 - 2/6	Test #4	A.A.	Applied Codeo. '23	1. Overview, Organization and Chapter 1	LMS -CML
				Applied Codeo. '23	2. Planning the Installation	LMS -CML
				Applied Codeo. '23	3. Building the Installation	LMS -CML
			M.M.	Applied Codeo. '23	4. Using the Electricity	LMS -CML
				Applied Codeo. '23	5. Special Occupancies	LMS -CML
				Applied Codeo. '23	6. Special Equipment	LMS -CML
			D.H.	Lab	Skills USA wall	J300.K
11	2/17 - 2/20	No Test	A.A.	Applied Codeo. '23	7. Special Conditions	LMS -CML
				Applied Codeo. '23	8. Communications	LMS -CML
				Applied Codeo. '23	9. Tables and Info Annexes	LMS -CML
				Applied Codeo. '23	10. The Codeology Method	LMS -CML
				Applied Codeo. '23	11. Post Course Assessment *****	LMS -CML
				M.M.	C. S. & P. 2 - 2023	1. An Intro to Branch Circuits
			C. S. & P. 2 - 2023		2. Feeders and Outside Branch Circuits	LMS -CML
			C. S. & P. 2 - 2023		3. Services	LMS -CML
			D.H.	Lab	Skills USA pt. 2	J300.K

Monday's class in on
Tues. - Memorial Day

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12	3/3 - 3/6	Test #5	A.A.		MENTEE TRAINING MENTEE TRAINING	
			M.M.	C. S. & P. 2 - 2023	4. Conduit Raceway Basics	LMS -CML
				C. S. & P. 2 - 2023	5. NEC Requirements for Cable Assemblies	LMS -CML
				C. S. & P. 2 - 2023	6. General Requirements for Wiring Methods	LMS -CML
				C. S. & P. 2 - 2023	7. Conductors for General Wiring	LMS -CML
			D.H.	Lab	Skills USA pt. 3	
13	3/17 - 3/20	No Test	A.A.	Elect. Theory 1-DC	1. Intro to DC Theory: Terminology and the Basics	LMS -CML
			M.M.	Elect. Safety W P	1. Electrical Safety Culture	LMS -CML
				Elect. Safety W P	2. Electrical Hazard Awareness	LMS -CML
			D.H.	Lab	DC Theory Lab (Blue Boxes)	
14	3/31 - 4/3	Test #6	A.A.	Elect. Theory 1-DC	2. Series Circuits	LMS -CML
			M.M.	Elect. Safety W P	3. Intro to OSHA and Control of Hazardous Energy	LMS -CML
				Elect. Safety W P	4. Intro to NFPA 70E	LMS -CML
			D.H.	Lab	DC Theory Lab	
15	4/14 - 4/17	No Test	A.A.	Elect. Theory 1-DC	2. Series Circuits	LMS -CML
			M.M.	Elect. Safety W P	5. Work Involving Electrical Hazards	LMS -CML
				Elect. Safety W P	6. Fault Current Fundamentals	LMS -CML
			D.H.	Lab	DC Theory Lab	
16	4/28 - 5/1	Test #7	A.A.	Elect. Theory 1-DC	3. Parallel Circuits	LMS -CML
			M.M.	Elect. Safety W P	7. Identifying Overcurrent Protective Device Types	LMS -CML
				Elect. Safety W P	8. Methods to Select Arc Flash PPE	LMS -CML
			D.H.	Lab	Conduit Bending	
17	5/12 - 5/15	No Test	A.A.	Elect. Theory 1-DC	3. Parallel Circuits	LMS -CML
			M.M.	Elect. Safety W P	9. Maintenance Considerations	LMS -CML
				Elect. Safety W P	10. Eliminating or Reducing Hazards	LMS -CML
			D.H.	Lab	DC Theory Lab	
18	5/27 - 5/29	Test #8	A.A.	Elect. Theory 1-DC	4. Combination Circuits	LMS -CML
			M.M.	Const. Drawings	1. Intro to Blueprints and the Design Process	LMS -CML
				Const. Drawings	2. Scaling and Dimensions	LMS -CML
			D.H.	Lab	DC Theory Lab	
19	6/9 - 6/12	No Test	A.A.	Elect. Theory 1-DC	4. Combination Circuits	LMS -CML
			M.M.	Const. Drawings	3. Plan Views	LMS -CML
				Const. Drawings	4. Elevations	LMS -CML
			D.H.	Lab	DC Theory Lab	
20	6/23 - 6/26	Test #9	A.A.	Elect. Theory 1-DC	5. DC Circuit Analysis	LMS -CML
			M.M.	Const. Drawings	5. Details and Sections	LMS -CML
				Const. Drawings	6. Schedules and Specifications	LMS -CML
			D.H.	Lab	DC Theory Lab & Neutral 3-Wire Systems	
21	7/7 - 7/10	No Test	A.A.	Elect. Theory 1-DC	5. DC Circuit Analysis	LMS -CML
			M.M.	Test Instruments	1. VDV Test Instruments	LMS -CML
				Test Instruments	2. Power Quality Test Instruments	LMS -CML
			D.H.	Lab	Test Instruments #1 - CAT 5 / Testing	

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22	7/21 - 7/24	Test #10	A.A.	Elect. Theory 1-DC	6. Switches and Conductors	LMS -CML
				M.M. Test Instruments	3. Medium (and High) Voltage & Insul. Test Instrum.	LMS -CML
				Test Instruments	4. Instrumentation and Process Control	LMS -CML
			D.H. Lab	Skills USA pt. 4		
23	8/11 - 8/14	No Test	A.A.	Elect. Theory 1-DC	7. Magnetism and Electromagnetism	LMS -CML
				Elect. Theory 1-DC	10. Post Course Assessment *****	LMS -CML
				M.M. Test Instruments	5. Special Maintenance Test Instruments	LMS -CML
			Test Instruments	6. Troubleshooting	LMS -CML	
			D.H. Lab	Conduit Bending with Powered Benders		
24	8/25 - 8/28	Test #11	A.A.	Torque for Elect.	1. Torque Theory	LMS -CML
				Torque for Elect.	2. Hardware - Threaded Fasteners, Bolts, etc.	LMS -CML
				Torque for Elect.	3. Torquw Wrenches and Their Uses	LMS -CML
				M.M. Torque for Elect.	4. Torque Tightening	LMS -CML
				Torque for Elect.	5. Electrical Torque Applied	LMS -CML
			Torque for Elect.	8. Final Torque Assessment *****	LMS -CML	
			D.H. Lab	Torque		
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