

Pacing Guide 18 Week Course
David Crockett High School: Career and Technical Education

Course: Electrical Systems

Week	State Standard	Main Topics
1-2	Standards 1,2,3,4	<ul style="list-style-type: none">• Electrical Safety Hazards• Work Safety• Signs and Symbols• Hand Signs• Safety Records• PPE• Tools, ladders, scaffolding, lift equipment• MSDS• Proper material selection/handling• Power load balance• Use of GFCI• Lock out Tag out
Week 3-4	Standards 5,6	<ul style="list-style-type: none">• Proper tool/accessory selection• Shop Maintenance• Electrical Test Equipment• Volt meter• Amp meter• Code requirements
Week 5	Standard 24, 25	Power Systems <ul style="list-style-type: none">• Generation• Transmission• Distribution• Environmental Impacts
Week 6	Standards 7,8	<ul style="list-style-type: none">• Industry Principles• Tennessee Contractor's Licensing Board

		<ul style="list-style-type: none"> • Roles of construction personnel
Week 7	Standard 9	<ul style="list-style-type: none"> • NEC navigation and interpretation
Week 8-9	Standard 16, 17	<ul style="list-style-type: none"> • Conductor sizes • Temperature Rating • Voltage Rating • Conductor Installation to Code
Week 10-11	Standard 10-11	<ul style="list-style-type: none"> • Device Boxes/type and use • Tools and Installation
Week 12-13	Standard 14, 15	<ul style="list-style-type: none"> • Raceway Systems
Week 14-15	Standard 21	Residential Electrical Services <ul style="list-style-type: none"> • Service Size • Branch Service • Load Calculation • Dedicated Circuits
Week 16-17	Standard 12, 13	<ul style="list-style-type: none"> • Hand Bending • Back to Back Bends • Offsets • Kicks • Saddle Bends • 90 bends • Cut, ream, threading conduit
Week 18	Standard 22, 23	<ul style="list-style-type: none"> • Electrical Troubleshooting