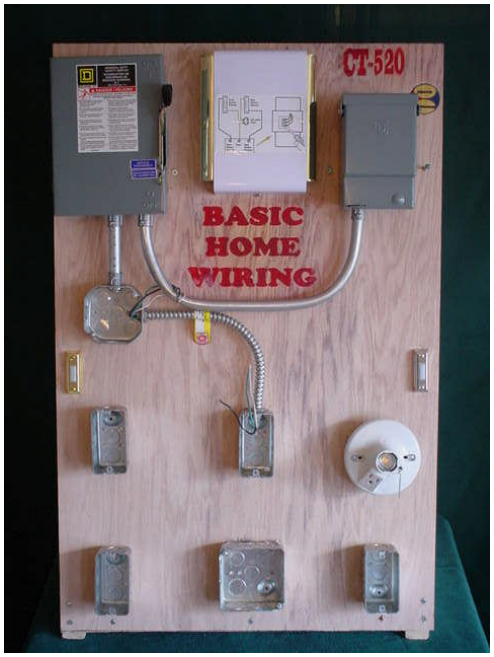
CT 520/10 Basic Home Wiring



Basic Residential Plumbing Module

The simple common sense safety procedures taught in this module will help students discover that home electrical projects are safe, easy, and satisfying. After learning safety procedures, students learn how electricity works, enters the home, is distributed to different rooms, and how grounding keeps the system safe. A glossary of electrical terms provides a handy reference and a catalog of tools helps students identify the hand tools, power tools, and specialty tools needed for electrical repairs. An overview of the parts of an electrical system teaches students how to identify cable and wire types, stripping wires, make proper connections, calculate load and capacity on circuits, and map circuits. Students will install junction boxes, switches, receptacles, lights, thermostats, doorbells, and plugs using the wiring applications trainer and demonstrator. Finally, problems that may be found in a household electrical system, especially older ones are examined. Upon completion of this module, students will understand the procedures required to safely design, maintain, and repair a home's electrical system.

Includes following equipment set for use with the module, to perform the practical, hands-on activities and meet the objectives laid down for the curriculum:

Assorted Electrical Boxes with Fittings and Conduit Mounted to a Baseboard
Long nose Pliers
6" Screw Driver
Knife
Conduit Bender
2- Three-Way Switch Covers
Duplex Receptacle Cover
Porcelain Lamp Receptacle w/Switch 4"
2A Fuse #W2
"Trucall" Bell & Buzer combination w\plate
Box of Connectors – twist type
100' - #14 TW Copper Wire – White
100' - #18 Bell Wire – twisted pair
Circuit Tester
Linesman's Side Cutting Pliers
Wire Stripper
Electricians Tape
SPST Switch Cover
4-Way Switch Cover
Porcelain Lamp Receptacle 4"
Motor Fuse Cover w\SPST Switch
Bell Transformer w\Plate 120/1o
2 –Pushbuttons #664 Edwards w\plate
100' - #14 TW Copper Wire – Black
100' - #14 TW Copper Wire – Red