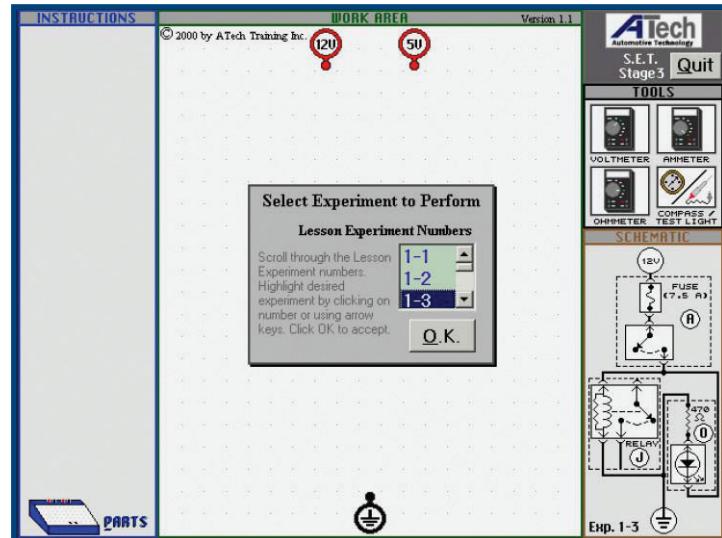


# S.E.T. Virtual Trainer

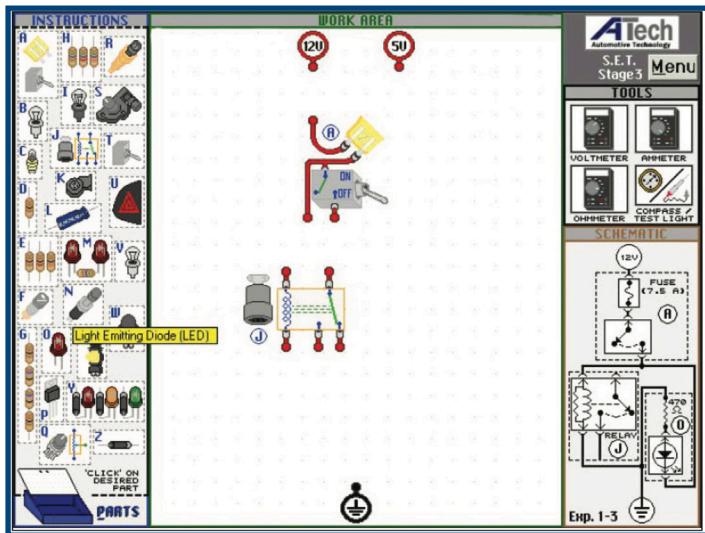
(Models 18002VT1/18002VT1N, 18002VT2/18002VT2N, & 18002VT3/18002VT3N)

This ATech software is a low cost Complement/Alternative to the GM S.E.T. project board. The program provides a virtual simulation of the GM S.E.T. Trainer and the instructional resources to perform the experiments from the GM "Electrical/Electronics" Stage 1, Stage 2 and Stage 3 courses.

- Experiment circuit illustrated in schematic
- Operational schematic, i.e. switch operates on both pictorial circuit and schematic
- Operational schematic ties components to symbols

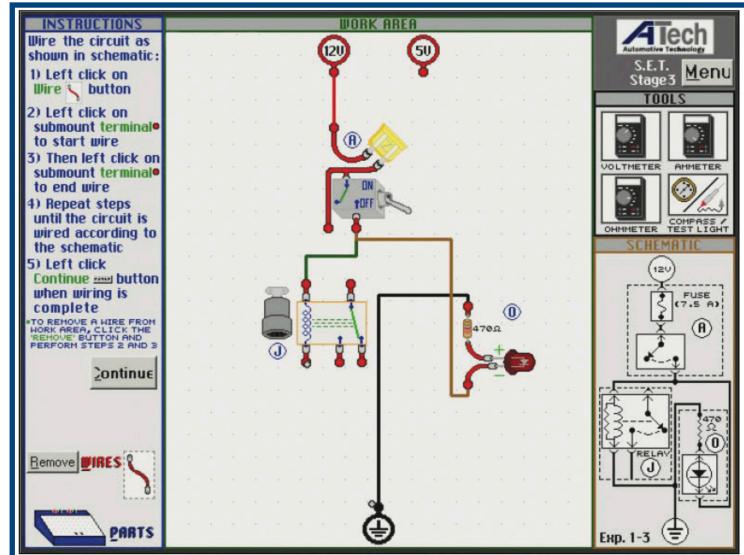


Circuit Selection by Experiment Number



Submount Selection and Placement

- Interactive wiring of submounts
- Interactive relocation of wired submounts allows circuit reposition on breadboard
- Voltage measurements
- Resistance measurements
- Current measurements
- Simulated component operations



Interactive Wiring

**INSTRUCTIONS**  
Make measurements on circuit:  
1) Left click on Switch to turn ON or OFF  
2) Left click on either the red or black probe  
3) To place probe, left click on desired terminal  
4) Repeat steps 2 & 3 for other probe  
5) Read Meter Display for value  
6) Drag probes for new measurement  
7) Left click Tools title bar to select another tool  
8) Left click on Next button when finished with Exp.

**WORK AREA** Version 1.12 © 1999 by ATech Training Inc.

**Schematic**

**Tools - Voltmeter**

**Calculator**

**Exp. 9-1**

## GM S.E.T. "Virtual" Trainer - Stage 1 model 18002VT1

- Properties of Electricity
- Ohm's Law
- Series Circuits
- Parallel Circuits
- Series-Parallel Circuits
- Electromagnetic Induction
- Network Version Available - model 18002VT1N

## GM S.E.T. "Virtual" Trainer - Stage 2 model 18002VT2

- Automotive Electrical Components
- Solid State Components
- Vehicle Systems
- Network Version Available - model 18002VT2N

**INSTRUCTIONS**  
Make measurements on circuit:  
1) Left click on Switch to turn ON or OFF  
2) Left click on either the red or black probe  
3) To place probe, left click on desired terminal  
4) Repeat steps 2 & 3 for other probe  
5) Read Meter Display for value  
6) Drag probes for new measurement  
7) Left click Tools title bar to select another tool  
8) Left click on Next button when finished with Exp.

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**Schematic**

**Tools - Voltmeter**

**Calculator**

**Exp. 3-4**

## GM S.E.T. "Virtual" Trainer - Stage 3 model 18002VT3

- Computers
- Sensor Inputs
- Actuator Outputs
- Series-Parallel Circuits
- Network Version Available - model 18002VT3N

**INSTRUCTIONS**  
Make measurements on circuit:  
1) Left click Remove Wire button  
2) Click on a wire's start and end terminals  
3) Click on red probe, then click on terminal of removed wire  
4) Click on black probe, then click on other terminal of removed wire  
5) Read Meter Display for value  
6) Left click Replace Wire button for new measurement  
7) Left click Tools title bar to select another tool  
8) Left click on Next button when finished with Exp.

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**Schematic**

**Tools - Ammeter**

**Calculator**

**Exp. 2-1**

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