TECHNOLOGY AT HOME & INDUSTRY TRAINING SYSTEM

Objectives

This course introduces the student to computer technology at home. The student explores and implements various topics such as:

Assembling a home lighting system, introduction to PC& programming, Light control and output unit, Conditions input unit and Computerized light system.

Friendly and simple Flow-Chart-Diagrams Software is used for control and programming .

Description

The system is stand-alone, containing all the necessary electronics components needed for performing the experiments.

Technology at Home is a project intended to provide students with the skills required for utilizing a computer to control a system.

The course is an "Introduction to Computerized Control" by implementing a computerized home lighting system.

ScienTech 3000
Science and Technology

MODULE
TSP-3718

Technology at Home & Industry Training System

Technical caracters

APPLIC-26 - a Multi I/O Module which includes: 8 digital output channels, 8 digital input channels, 2 analog input channels, 1 analog output channel.

SKL-9 - Power Supply.

TS-2608 - a component set for home use.

SESFLOW - Windows application Flow-Chart-Diagrams software.

Experiments

This system enables the student to perform several experiments and covers the following topics:

- Introduction to Computerized control systems.
- Operating the lights.
- Conditions and decisions.
- Timers and counters.
- Automatic light control.
- Light sensor.
- Computerized 'Disco' lighting system.

ScienTech 3000
Science and Technology

SES Scientific Educational Systems