

**TECHNOLOGY EDUCATION CURRICULUM SUMMARY**

The purpose of the Technology Education Curriculum Summary is to present an overview of the Electronics I curriculum. Parents are the intended audience of the Technology Education Curriculum Summary.

**Electrical Introduction and Safety**

- Electrical Quantities-Ohms, Volts, Amps
- Basic Electrical Theory-Ohms Law
- Instrumentation
- Measurement Techniques
- Tool Identification
- Equipment Familiarization

**Electronic Lab Equipment and Usage**

- Power Supplies
- FACET SYSTEM
- Digital Multimeters
- Bread Boards
- Experiment Procedures

**Electronic Design**

- Circuit Design
- Schematic and Symbols
- PC Board Layout
- CAD design- Schematic and PC Boards
- Printed Circuit Boards
- Soldering Process
- Case design and Construction
- Component Identification
- Wires and Wiring Techniques

**Career Education**

- Career opportunities in the field of electronics
- Skills necessary for the electronics field
- Training and educational requirements for electronics career opportunities