

**BRONX COMMUNITY COLLEGE LIBRARY
SUGGESTED FOR
ELC 25 & 35
ELECTRONICS I & II**

<u>CODE NO.</u>	<u>TITLE</u>
	<u>BASIC ELECTRICITY: DIRECT CURRENT (SERIES)</u> <i>15min each, c1987</i>
V2172.1	ELECTRON FLOW
V2172.2	SYMBOLS, DIAGRAMS AND CIRCUITS
V2172.3	AMMETERS AND VOLTMETERS
V2172.4	OHM'S LAW IN ACTION
	<u>ELECTRONIC CIRCUIT TROUBLESHOOTING (SERIES)</u> <i>-15min each, c1995</i>
V2726.1	THE BASIC PROCESS & THE SAFE APPROACH
V2726.2	COMMON FAILURES & DETECTION AIDES
V2726.3	THE METHODS & EQUIPMENT
V2726.4	APPLYING THE PRINCIPLES
	<u>TROUBLESHOOTING THE ELECTRICAL SYSTEM (SERIES)</u> <i>75min each, c1992</i>
V2548.1	THE DIGITAL OHMMETER / VOLTMETER
V2548.2	SERVICE MANUAL & WIRING DIAGRAMS
V2548.3	SHORT CIRCUITS
V2548.4	OPEN CIRCUITS & HIGH RESISTANCE
V2548.5	WIRE REPAIR
	<u>DIGITAL ELECTRONICS (SERIES)</u> <i>-30 min each, c1988</i>
V1612.1	INTRODUCTION TO DIGITAL ELECTRONICS
V1612.2	INTRODUCTION TO NUMBER SYSTEMS
V1612.3	BIPOLAR TRANSISTORS AS SWITCHES
V1612.4	BASIC LOGIC GATES
V1612.5	TTL INTEGRATED CIRCUITS
V1612.6	CMOS AND ECL INTEGRATED CIRCUITS
V1612.7	COMBINATIONAL LOGIC CIRCUIT ANALYSIS
V1612.8	BASIC FILP-FLOPS
V1612.9	COUNTERS
V1612.10	SHIFT REGISTERS
V1612.11	CLOCK CIRCUITS
V1612.12	COMBINATIONAL LOGIC CIRCUIT APPICATIONS
V1612.13	EXCLUSIVE OR AND EXCLUSIVE NOR GATES
V1612.14	TESTING DIGITAL CIRCUITS

UNDERSTANDING DIGITAL ELECTRONICS (SERIES)

- 13 min. each, c1987

- V2971.1** **AND GATES**
- V2971.2** **OR GATES / NOT GATES**
- V2971.3** **NAND GATES / NOR GATES**
- V2971.4** **XOR GATES / XNOR GATES**

ELECTRICAL AND ELECTRONICS (SERIES) – *c2004*

- DVD22.1** **ELECTRICAL CIRCUITS: OHM'S LAW** - *18 min*
- DVD22.2** **ELECTRICAL COMPONENTS, PART I:**
RESISTORS/BATTERIES/SWITCHES - *20 min*
- DVD22.3** **ELECTRICAL COMPONENTS, PART II:**
CAPACITORS/FUSES/FLACHERS/COILS - *22 min*
- DVD22.4** **ELECTRICAL COMPONENTS, PART III:**
TRANSFORMERS/RELAYS/MOTORS - *24 min*
- DVD22.5** **ELECTRICAL PRINCIPLES** - *19 min*
- DVD22.6** **ELECTRICAL TROUBLESHOOTING** - *21 min*
- DVD22.7** **ELECTRONIC COMPONENTS, PART I:**
SEMICONDUCTORS/TRANSISTORS/DIODES - *19 min*
- DVD22.8** **ELECTRONIC COMPONENTS, PART II: OPERATION-**
TRANSISTORS/DIODES - *20 min*
- DVD22.9** **ELECTRONIC COMPONENTS, PART III: THYRISTORS/PIEZO**
CRYSTALS/SOLAR CELLS/FIBER OPTICS - *22 min*
- DVD22.10** **ELECTRONIC TROUBLESHOOTING** - *22 min*

OTHER SUGGESTED PROGRAMS

- DVD401** **WHO KILLED THE ELECTRIC CAR** – *93min, c2006*

- V3121** **THE USES OF ELECTRICITY: HARMFUL EFFECTS OF**
ELECTROMAGNETISM - *56min, c1994*