

1. **The Multimeter:** Ohm's law, How to measure Voltage , current, resistance. Voltage measurement in AC , Parallel. Basic Features of Multimeter.

2. **Diming All kinds of LED's:** PWM(control the Brightness), changing voltage to do this. To create square signal in Arduino -analogwrite signal (0 .....255)

3. **Programming an Attiny + Homemade Arduino Shield:** Use Arduino in PC, Microcontroller,

4. **A+B+A=A:** logic levels,

5. **Multiplex:** Control many lights individually . Each row Individually,