

Digital Electronics 101

An introductory course on Electronics, C++ and Arduino-like platforms

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Section 1

Electronics

What is Electronics?

blah blah

Fundamental Notions and Laws in Electronics

Ohm's Law

Kirchhoff's Voltage Law

Kirchhoff's Current Law

Additional Notions and Fundamentals

Section 2

Electrical Components

Breadboards and PCBs

Breadboards and PCBs

Power sources

Resistors

Toggle Components

Capacitors in a DC circuit

Coils in a DC circuit

Diodes

LEDs

Transistors 101

Section 3

Arduino

Schematic

Arduino IDE

Section 4

Controlling your Arduino with C++