



Glossary

Acceleration: The rate of change of velocity per unit of time.

Amp: Unit of measuring electrical current

Arduino: Microcontroller used to control electronics

Capacitance: Ability to retain electrical potential

Closed Circuit: A circuit in which the current is flowing

Current: Electrical flow

Internet of Things: Describes the network of physical objects—"things"—that are embedded with sensors, software, and other technologies for the purpose of connecting and exchanging data with other devices and systems over the Internet

Kinetic energy: Energy of motion

LED: Light Emitting Diode

loop(): A function that does precisely what its name suggests, and loops consecutively, allowing your program to change and respond. Used to actively control the Arduino board.

Long-Term Evolution (LTE): A standard for wireless broadband communication for mobile devices and data terminals

Machine learning: An application of artificial intelligence (AI) that provides systems the ability to automatically learn and improve from experience without being explicitly programmed.

Multimeter: Device for measuring voltage, amperage, capacitance, and resistance

Ohm: Unit of electrical resistance

Open Circuit: A circuit in which the current is not flowing from areas of high and low potential

Resistance: The ability of something to resist electrical flow

Servo Library: A library of code prewritten to control servo motors through the Arduino IDE generated code.

setup(): Function function called when a sketch starts. Use it to initialize the variables, pin modes, start using libraries, etc. The setup function will only run once, after each power up or reset of the Arduino board

Sketch: An Arduino program you run on the device

Velocity: Distance over time and the direction associated with that rate

Volt: Unit of electric potential (electron pressure)