Programming Functions/Definitions/Structure:

https://www.arduino.cc/en/Reference/HomePage

Forum:

https://forum.arduino.cc/

Projects:

http://playground.arduino.cc/Projects/Ideas

http://www.instructables.com/id/20-Unbelievable-Arduino-Projects/

http://www.electroschematics.com/arduino/

Processing programming environment

http://processing.org/learning