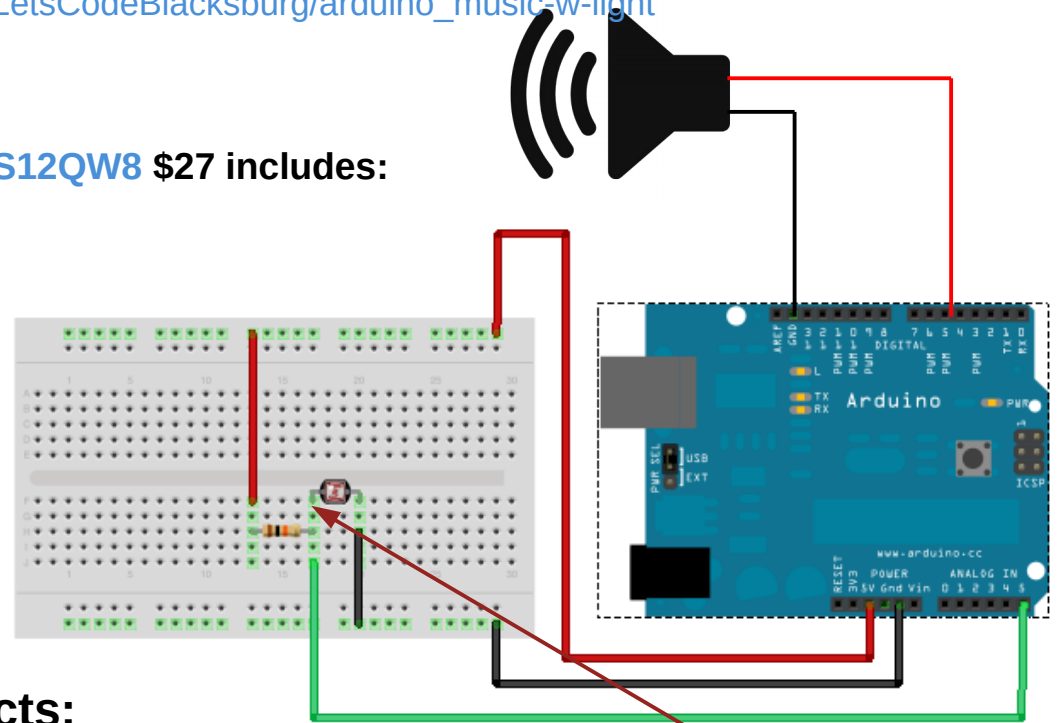# Making "Music with Light" Arduino Parts List & Resources

Full Project & Code - https://github.com/LetsCodeBlacksburg/arduino_music-w-light

- **Arduino Kit - https://www.amazon.com/dp/B07RS12QW8 $27 includes:**
  - 1 - Arduino
  - 1 - Speaker, 8ohm (or passive buzzer)
  - 1 - Breadboard
  - 1 - Light sensor (CdS photo resistor)
  - 1 - 1k ohm resistor
  - 5 - Dupont M/M wires, 2 M/F
  - USB cable (for power & data)

- **Other Fun Let's Code Blacksburg! Projects:**
  - "Arduino Cookbook" - https://github.com/LetsCodeBlacksburg/arduino-recipes/blob/master/LCBB_Teach-the-Teacher-Arduino.pdf
  - Talking Halloween Skull - https://github.com/LetsCodeBlacksburg/arduino-talking-skull
  - MP3 Player - https://github.com/LetsCodeBlacksburg/arduino-mp3-player
  - Sibling Detector Alarm - https://github.com/LetsCodeBlacksburg/LCBB_sibling_alarm
  - Laser Martian Rover Robot - https://github.com/LetsCodeBlacksburg/LCBB_arduino-collision-bot

- **Other Great OnLine Learning Resources:**
  - Adafruit "Getting Started" - https://learn.adafruit.com/lesson-0-getting-started/the-lessons
  - Fun Arduino Projects - https://learn.adafruit.com/category/arduino
  - "The" Arduino Coding Reference Site - https://www.arduino.cc/reference/en/
  - Best Arduino Video Series - https://www.youtube.com/watch?v=fJWR7dBuc18
    - Bigger Arduino Kit, The "ELEGOO UNO R3" kit ($45) - https://www.amazon.com/dp/B01CZTLHGE
  - Let's Code Blacksburg! Arduino IO Pinout Referece -
    https://github.com/LetsCodeBlacksburg/arduino-recipes/blob/master/LCBB-Physical-Computing_arduino-IO_sheet.pdf