Parallel LED: each has own power source and not linked (don’t effect each other and brighter)

Series: each shares the power source and is linked. (effect each other and share power evenly) 4=1/4

12v=12/4

3V (each)

RGB LED:

Use resistors: similar to parallel led

Servo Motor: Control stop and go, and speed

-Very precise

DC requires a large current to make it work so your Arduino is not strong enough (5v pin will break Arduino or won’t run)

DO NOT USE IT DIRECTLY. You have to use a transistor.

Diode: limits the direction of the current.

Protocol: Rules

Firmata: Arduino talks to each other