**Follow the Light Answer Key**

1. **Compare the “stimulus-sensor-coordinator-effector-response” framework of the human eye to the framework using a color sensor for a LEGO robot.**

**Stimulus-to-response frameworks:**

***For the human eye*: sight of a scary object such as a wasp > two eyes > human brain > signal to leg muscles > run away from wasps**

***For the LEGO color sensor*: light > EV3 color sensor > (transmission to coordinator) value sent to EV3 brick via wire > brick sends a signal to the EV3 motors > robot moves**

1. **Provide the logic for a program for a LEGO robot that enables it to follow a flashlight.**

**Use two color sensors attached to the front of the taskbot.**

**Turn the taskbot towards the sensor (of the two) that reads the higher intensity of light.**