**Robotics 10**

**Snapino Assignments**

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Use the Snapino Guide book to complete these assignments. You will need the instructor signature in each empty box to receive full marks for this assignment.

|  |  |  |  |
| --- | --- | --- | --- |
| **Project** | **Description** | **Circuitry** | **Explain Code** |
| Read p. 3-8 | It is important that you understand all the parts, the procedure, the dangers, and how to trouble-shoot. |  |  |
| 1 | Red Light |  |  |
| 2 | Lights |  |  |
| 3 | Blinking Light |  |  |
| Read p. 16 | Read this page to gain a better understanding of what the coding means. |  |  |
| 4 | Alternating Lights |  |  |
| 5 | Stoplight |  |  |
| 6 | Button |  |  |
| 7 | Bicolor Light |  |  |
| 8 | Night Light |  |  |
| 9 | Blink Rate |  |  |
| 10 | Copy Cat Light |  |  |
| 11 | Light Monitor |  |  |
| 12 | Distance Sensor |  |  |
| 13 | Photo Stop |  |  |
| 14 | Button Stoplight |  |  |
| 15 | Snapino Test |  |  |
| 16 | Varying Light Brightness |  |  |
| 17 | Light Controlled LED |  |  |
| 18 | LED Brightness Button |  |  |
| 19 | Sloppy Switches |  |  |
| 20 | Click Counter |  |  |