



# 4-H Electric

## Magnet-Powered Flashlight Scorecard

Name: \_\_\_\_\_ County: \_\_\_\_\_

Project Description: \_\_\_\_\_ Ribbon Placing: \_\_\_\_\_

### ITEM

### COMMENTS

#### COIL

- Coil centered between rubber bumpers
- Taped securely to plastic tube
- Wires soldered to terminals of coil

#### PRINTED CIRCUIT BOARD (PCB)

- No poor solder joints
- No solder bridge
- Uniform solder joints
- Insulation covers wire up to PCB
- Components positioned close to PCB
- Components placed correctly on PCB
- No damage to PCB or components
- All components contained within tube

#### EXHIBIT

- "Shake Light" illuminates when shaken
- Neatly displayed
- Electric and Electronics Exhibit Skills & Knowledge Sheet (if required)