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| **Lesson 8: Things that Glow in the Dark Goal:** Students will design, construct and understand devices that use Ultraviolet light to make a message or image glow in the dark  |
| **Objective:** | **Below (1)** | **Approaching (2)** | **Proficient (3)** | **Advanced (4)** |
| A. Identify and describe properties of different forms of light | None identified  | Aware that some forms of light are not visible, and that visible light exists in a variety of colors | Aware that infrared and ultraviolet are two distinct forms of light that are not visible, and that new colors of visible light result from mixing other colors | (3) + can describe some properties of infrared and ultraviolet light |
| B. Design and construct a device that glows in the dark | No device  | Device does not make fluorescent writing glow in the dark and/or is not controlled by a switch | Device does make fluorescent writing glow in the dark and is controlled by a switch  | (3) + able to make a larger image or message glow and/or help other students with their devices |
| C. Writing and drawing for communication and reflection | No writing or drawing | Writing and/or drawing are unclear or incomplete, showing minimal understanding | Both writing and drawing showing parts, construction and circuit diagram accurately | (3) + description of how the device could be modified or improved |