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| **Lesson 3: Circuit diagrams  Goal:** Students represent and build a circuit using a standard circuit diagram | | | | |
| **Objective:** | **Below (1)** | **Approaching (2)** | **Proficient (3)** | **Advanced (4)** |
| A. Create a drawing of a circuit (using non-standard symbols) | No drawing | Minimal drawing, lacking some parts and/or connections | Drawing shows all parts, but connections would be hard to replicate | Accurate drawing, fully labeled, which could be used to replicate circuit |
| B. Create a circuit diagram using standard circuit symbols and rules | No diagram | Minimal diagram, lacking connections and/or parts | Shows all parts and connections but does not follow standard rules and/or standard connection points | Accurate diagram using standard rules and appropriate connection points |
| C. Design a new circuit using a standard circuit diagram | No diagram | Incomplete diagram or invalid circuit | Accurate diagram, but student can’t transfer information into making actual circuit | Student uses diagram to build real circuit correctly |