

## VALID EXPERIMENTAL DESIGN RUBRIC

Student's Name: \_\_\_\_\_ Color Choice: \_\_\_\_\_

| CRITERIA  | A  | B  | C  | D  |
|---|--|--|--|--|
| <b>VALID EXPERIMENTAL DESIGN:</b><br><br><b>Variables:</b> <ul style="list-style-type: none"> <li>○ Correctly Identifies Independent Variable</li> <li>○ Independent Variable language is precise.</li> <li>○ Correctly Identifies Dependent Variable with units</li> <li>○ Dependent Variable language is precise.</li> </ul>            | 4 out of 4 Variables expectations met.   | 3 out of 4 Variables expectations met.   | 2 out of 4 Variables expectations met.   | 1 out of 4 Variables expectations met.   |
| <b>Standards:</b> <ul style="list-style-type: none"> <li>○ Identifies 6 unique standards</li> <li>○ Standards are realistic and can be implemented</li> <li>○ Language is precise and leaves no room for interpretation</li> <li>○ Does not confuse standards with variables</li> </ul>   | 4 out of 4 Standards expectations met.   | 3 out of 4 Standards expectations met.   | 2 out of 4 Standards expectations met.   | 1 out of 4 Standards expectations met.   |
|   |  |  |  |  |
| <b>COMMUNICATION:</b><br><br><b>Procedures:</b> <ul style="list-style-type: none"> <li>○ Logical &amp; Sequential</li> <li>○ Detailed – materials, safety expectations, and steps are apparent</li> <li>○ Clarity – procedures can be followed with minimal/no questions asked</li> <li>○ Grammar &amp; Vocabulary are correct</li> </ul> | 4 out of 4 Procedures expectations met.  | 3 out of 4 Procedures expectations met.  | 2 out of 4 Procedures expectations met.  | 1 out of 4 Procedures expectations met.  |
| <b>Data Tables:</b> <ul style="list-style-type: none"> <li>○ Clear Title that identifies the independent and dependent variables</li> <li>○ Headings that match the data collected</li> <li>○ Units of Measurement are given</li> <li>○ Logical Organization</li> </ul>   | 4 out of 4 Data Tables expectations met. | 3 out of 4 Data Tables expectations met. | 2 out of 4 Data Tables expectations met. | 1 out of 4 Data Tables expectations met. |

