**Rubrics**

**Technical Data Sheet Rubric for Final Product**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Strong** | **Medium** | **Weak** |
| **Dye** | Dye created can color more than 3 different materials OR the dye created has a unique quality (color changing, etc.). | Dye created can color 1-2 different materials. | Dye created is weak and doesn’t result in coloring materials. |
| **Calculations** | Calculations are correct, work is shown and easy to follow. | Calculations are correct and work is shown. | Calculations have errors. |
| **Description of Dye** | Dye is described with 5+ physical and/or chemical properties. | Dye is described with 3-4 physical and/or chemical properties. | Dye is described with 1-2 physical and/or chemical properties. |

**Design Proposal Rubric**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Strong** | **Medium** | **Weak** |
| **Material Samples** | 4+ different material surfaces are used in the design proposal from at least 3 different concentrations. | 3 different material surfaces are used in the design proposal from at least 2 different concentrations. | 2 or fewer different material surfaces are used in the design proposal. |
| **Data** | Specific information for all dyes of the materials used in creating all possible dyes is included; including ones not appearing on the board. | Specific information for the dyes of the materials used in presentation is included. | Missing key information about creating the dyes for the materials used in the presentation. |
| **Design Board** | Easy to interpret and identify the materials and their dyes. | Materials are organized and labeled. | Missing some components, unorganized, materials not labeled. |