**Performance Based Rubric**

Engineering, Technology, and Applications of Science

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| **Engineering Design** | **Developing** | **On-Target** | **Mastery** |
| **Defining and Delimiting Engineering Problems** | The student does not define the problem OR ask a relevant question. | The student defines the problem OR asks a relevant question. | The student defines the problem AND asks a relevant question. |
| **Developing Possible Solutions** | The student does not develop a possible solution OR details a plan. | The student develops a possible solution OR details a plan. | The student develops a possible solution and details a plan. |
| **Optimizing the Solution Design** | The student does not reflect on the design through journaling OR detail ways to improve. | The student reflects on the design through journaling OR details ways to improve. | The student reflects on the design through journaling AND details ways to improve. |

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| **Applications of Science** | **Developing** | **On-Target** | **Mastery** |
| **Science Practices: Utilization in Developing and Conducting Original Scientific Research** | The student does not participate in scientific research OR summarize the findings of the research. | The student participates in scientific research OR summarizes the findings of the research. | The student participates in scientific research AND summarize the findings of the research. |
| **Practice of Peer Review** | The student does not present his or her prototype OR accept peer feedback. | The student presents his or her prototype OR accepts peer feedback. | The student presents his or her prototype AND accepts peer feedback. |