

Summative Rubric

| Criteria | Basic A student who has reached the <i>highest achievement</i> of the Basic level should be able to do the following: | Proficient A student who has <i>just reached</i> the Proficient level should be able to do the following: | Advanced A student who has <i>just reached</i> the Advanced level should be able to do the following: |
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| Science and Engineering Practices LO1.1 – Follow a step-by-step method to solve a problem. | With support, student follows some steps of the design process as they design, create, and test a model. | With support, student follows all steps of the design process as they design, create, and test a model. | Student independently follows the design process as they design, create, test, and revise a model. |
| Adaptations LO3.2 – Understand that environments are different and living organisms require specific adaptations to survive in each. | With support, student designs and builds an ideal shoe to wear on a trip to a specific environment. | Student designs and builds an ideal shoe to wear on a trip to a specific environment. With support, student explains the adaptations of the plants and animals in the environment and how they influenced the student's design. | Student designs and builds an ideal shoe to wear on a trip to a specific environment. Student independently explains the adaptations of the plants and animals in the environment and how they influenced the student's design. |
| Collaboration LO5 – Collaborate effectively on a diverse and multidisciplinary team. | Student participates most of the time and shares ideas with others. Student demonstrates flexibility in thinking and behavior some of the time. | Student fully participates and shares their ideas with their group, while valuing the contribution of team members. Student demonstrates flexibility in thinking and behavior most of the time. | Student fully participates and shares their ideas with their group, while valuing the contributions of team members. Student models and encourages others to demonstrate flexibility in thinking and behavior. |
| Communication LO6 – Communicate effectively for specific purposes using the appropriate platform, tool, format, or digital media. | With support, student accurately describes findings from the Problem. Student attempts to use the PLTW Launch Log to communicate their thinking. | Student accurately and effectively describes findings from the Problem. Student uses the PLTW Launch Log to communicate their thinking as directed. | Student justifies findings from the Problem with evidence-based conclusions. Student uses the PLTW Launch Log to communicate their thinking in detail. |
| Ethics LO7 – Practice ethical behavior in all settings. | With support, student engages in positive interactions and relationships with other children some of the time. | With support, student engages in and maintains positive interactions and relationships with other children. Student is kind and respectful when they disagree. | Student independently engages in and maintains positive interactions and relationships with other children. Student is kind and respectful when they disagree. |