

## 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:
<b>Science and Engineering Practices</b> 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 prototype.	With support, student follows all steps of the design process as they design, create, and test a prototype.	Student independently follows the design process as they design, create, test, and revise a prototype.
<b>Matter</b> LO3.1 – Classify and describe materials by a variety of observable properties.	With support, student designs and builds a prototype to keep an ice pop frozen for at least 30 minutes.	Student designs and builds a prototype to keep an ice pop frozen for at least 30 minutes.  With support, student explains the properties of the materials they chose for their design and why they chose them.	Student designs and builds a prototype to keep an ice pop frozen for at least 30 minutes.  Student independently explains the properties of the materials they chose for their design and why they chose them.
<b>Collaboration</b> LO5 – Collaborate effectively on a diverse and multidisciplinary team.	Student demonstrates teamwork and collaborates with team members some of the time.	Student demonstrates teamwork and collaborates with team members.  Student is flexible and able to adapt in a group most of the time.	Student models and encourages others to demonstrate teamwork and collaborates with team members.  Student is flexible and able to adapt in any group.
<b>Communication</b> LO6 – Communicate effectively for specific purposes using the appropriate platform, tool, format, or digital media.	With support, student accurately describes findings.  Student attempts to use the PLTW Launch Log to communicate their thinking.	Student accurately and effectively describes findings.  Student uses the PLTW Launch Log to communicate their thinking as directed.	Student justifies findings with evidence-based conclusions and presents data and information with accuracy.  Student uses the PLTW Launch Log to communicate their thinking in detail.
<b>Ethics</b> 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. They acknowledge the contributions of others.	Student independently engages in and maintains positive interactions and relationships with other children.  Student is kind and respectful. They value the contributions of others and recognize the impacts of their behavior.