

Science Motion Project Based Learning Rubric
(With Gallery of Experts Presentation and Final Writing Piece)

Category	Exceeded the Standard(s) 4	Met the Standard(s) 3	Below the Standard(s) 2	Far Below the Standard 1
<p>Clear Essential questions connected to the Science Project.</p> <p>(Egg Drop or Air Balloon Car)</p>	<p>The stated essential questions described the overall meaning of the project and laws of motion, along with all details.</p>	<p>The stated essential questions described the overall meaning of the project, laws of motion, and most of the details.</p>	<p>The stated essential questions described some of the project and laws of motion, but details were missing.</p>	<p>The question stated is missing or does not describe the overall project and laws of motion.</p>
<p>What the student knows about the Laws of Motion</p>	<p>Student listed all knowledge about the Laws of Motion and how it is connect to their project</p>	<p>Student listed most of the knowledge about the Laws of Motion and how it is connect to their project</p>	<p>Student listed some knowledge about the Laws of Motion and how it is connect to their project</p>	<p>Student listed very little, no knowledge about the Laws of Motion, or information that did not relate to the problem.</p>
<p>Use of Science Journal, Class Notes, and/or Supplies recommended by the Science PBL Packet</p>	<p>Student listed all necessary information and/or supplies needed that directly related to their project.</p>	<p>Student listed most necessary information and/or supplies needed that directly related to their project.</p>	<p>Student listed some necessary information and/or supplies needed that directly related to the problem, but more needs to added to fully solve their project.</p>	<p>Student did not list enough necessary information and/or supplies needed to solve their project. This needs to be completed.</p>
<p>How did the student learn and grow from creating their project?</p>	<p>Student described all steps and challenges needed to improve their project.</p>	<p>Student described most steps necessary and challenges needed to improve their project.</p>	<p>Student described some steps necessary to solve the problem, but more are needed to fully solve the project.</p>	<p>Student did not describe enough necessary information that directly related to the project.</p>

<p>Problem Solution within the respective science project.</p> <p>(Egg Drop/ Air Balloon Car)</p>	<p>The solution effectively solves the problem within their project. It is apparent that the student understands the problem fully and knows how to solve this problem and others like it.</p>	<p>The solution solves the problem within their project. It is apparent that the student understands the problem and how to solve it.</p>	<p>An attempt was made to solve the problem within their project, but it does not do so completely. It is unclear that the student fully understands the problem or how to solve it.</p>	<p>No attempt (or a very weak attempt) was made to solve the problem within their project. It is unclear if the student understands the problem or how to solve it.</p>
<p>Gallery of Experts Presentation/ video</p>	<p>Student effectively presented the solution staying on topic 100% of the time. The student could answer all questions by peers using key vocabulary found in the science packet.</p>	<p>Student presented the solution staying on topic at least 90% of the time. The student answered most questions by peers using key vocabulary found in the science packet</p>	<p>Student presented the solution, but strayed off topic many times. The student had difficulty answering questions by peers using key vocabulary found in the science packet</p>	<p>The solution presentation was ineffective straying off topic often. The student could not answer most questions by peers using key vocabulary found in the science packet</p>
<p>Final Writing Piece</p>	<p>There are no mistakes in spelling, grammar, capitalization, or punctuation that distract the reader. The student uses all key vocabulary found in the science packet to answer the essential questions related to their project.</p>	<p>There are one to three mistakes in spelling, grammar, capitalization, or punctuation that distract the reader. The student uses most of key vocabulary found in the science packet to answer the essential questions related to their project.</p>	<p>There are four to ten mistakes in spelling, grammar, capitalization, or punctuation that distract the reader. The document is difficult to read in some areas. The student uses some of key vocabulary found in the science packet to answer the essential questions related to their project.</p>	<p>There are so many mistakes in spelling, grammar, capitalization, or punctuation that the document is impossible to read in some or all areas. The student does not use key vocabulary found in the science packet to answer the essential questions related to their project.</p>