

# Simple Machines Evaluation Rubric

## How Does It Work? - Simple Machines

Assignment	5 Points (Ranger Status)	4 Points (Apprentice)	3 Points (Laborer)	1-2 Points (Novice)
<p><b>Simple Machines Passport Stamp 1: Worksheet</b> (How Does It Work? Task 3)</p>	<p>Meets all 4-point criteria, <b>AND</b> is able to <i>indentify</i> and <i>explain exactly how</i> each simple machine example can change the direction or the amount of force needed to do work.</p>	<p>Accurate information on all 6 simple machines, providing a clear definition and description how each machine works. Applies knowledge gathered from the INFO resources for 5 simple machine.</p>	<p>Information is mostly accurate, but only provides information gathered from the main SIW pages. No evidence that the INFO resources were used to learn more about simple machines. Only 3 simple machine are completed.</p>	<p>Contains inaccurate information, minimum details provided, no examples are given from the INFO resources.</p>
<p><b>Simple Machines Passport Stamp 2: Advertisement/Pamphlet</b> (How Does It Work? Task 5)</p>	<p>Meets all 4-point criteria, <b>AND</b> is able to <i>evaluate</i> how simple machines can be used to design a persuasive argument. Creatively uses language and visuals to explain why their simple machine ad or pamphlet would be the most valuable invention for classmates to buy.</p>	<p>Contains accurate information with 4 statements that convince classmates why their simple machine is useful. Presentation is creative, uses at least 3 colors, and has an appealing design.</p>	<p>Contains accurate information with 2-3 statements that show basic understanding. Presentation lacks creativity, uses fewer than 3 colors and the design is confusing.</p>	<p>Contains inaccurate information, only 1 statement is provided, shows little attention to detail, lacks creativity and is not well designed.</p>
<p><b>Simple Machines Passport Stamp 3: Create a Compound Machine</b> (How Does It Work? Task 7)</p>	<p>Meets all 4-point criteria, <b>AND</b> uses <i>creative thinking</i> and <i>problem-solving</i> to invent a machine that solves a specific, real-world problem a person would face. Explains exactly how the combined simple machines make that specific job easier.</p>	<p>Contains accurate information and a detailed description of how the machine works. Clearly identifies 3 or more simple machines working together within your invention. Creative presentation.</p>	<p>Contains accurate information and an adequate description of how it works. Identifies only 2 simple machines working together within the invention.</p>	<p>Contains inaccurate information, provides minimal details on how it works, identifies 1 or 0 simple machines, shows little attention to detail.</p>