

	Exemplary (4)	Proficient (3)	Progressing (2)	Beginner (1)	Points
Invention Process	<ul style="list-style-type: none"> <li>Student documents all aspects of the inventing process from brainstorming prototype to final project.</li> <li>Student thoroughly describes modifications/improvements/all changes from beginning to end.</li> <li>Journal clearly documents how idea originated and evidence of the student being the main contributor to the project (as appropriate for grade level).</li> </ul>	<ul style="list-style-type: none"> <li>Student documents some aspects of the inventing process from brainstorming prototype to final project.</li> <li>Student mentions modifications/improvements/some changes from beginning to end briefly.</li> <li>Journal mentions how idea originated and there is evidence of the student contributing to the project with some assistance (beyond what is expected for grade level).</li> </ul>	<ul style="list-style-type: none"> <li>Student documents only one or two aspect of the inventing process from brainstorming to final project.</li> <li>Student includes limited information on any modifications/improvements/or any changes from beginning to end.</li> <li>Journal mentions how idea originated or shows evidence that student received significant assistance with the project (well beyond what is expected for grade level).</li> </ul>	<ul style="list-style-type: none"> <li>Student does not document any aspect of the invention process.</li> <li>Student does not include information on modifications/improvements/or any changes throughout the project.</li> <li>Journal does not mention how idea originated or what, if any, outside assistance was received on the project.</li> </ul>	<p>____/</p> <p>4</p>
Research and Documentation	<ul style="list-style-type: none"> <li>Student thoroughly documents research related to the topic and to the existence of similar inventions (explains originality).</li> <li>Student lists all materials used, including borrowed and repurposed and</li> </ul>	<ul style="list-style-type: none"> <li>Student documents research related to the topic and to the existence of similar inventions (explains originality).</li> <li>Student lists most materials used, including borrowed and repurposed and</li> </ul>	<ul style="list-style-type: none"> <li>Student mentions research related to the topic or to the existence of similar inventions.</li> <li>Student lists some materials used, including borrowed and repurposed or documents expenses for purchases.</li> </ul>	<ul style="list-style-type: none"> <li>Student does not document research related to the topic or to the existence of similar inventions.</li> <li>Student does not list all materials used or any purchases made.</li> </ul>	<p>____/</p> <p>4</p>

	documents expenses for purchases.	documents purchases.			
Analysis	<ul style="list-style-type: none"> <li>• Student provides complete analysis of the following: invention benefits/consequences; environmental, societal, market potential.</li> <li>• Student thoroughly describes challenges of invention process and how they were addressed.</li> </ul>	<ul style="list-style-type: none"> <li>• Student provides some analysis of at least one or two of the following: invention benefits/consequences; environmental, societal, market potential.</li> <li>• Student describes challenges of invention process and how they were addressed.</li> </ul>	<ul style="list-style-type: none"> <li>• Student provides limited analysis of at least one of the following: the invention benefits/consequences; environmental, societal, market potential.</li> <li>• Student mentions the challenges of invention process or how they were addressed.</li> </ul>	<ul style="list-style-type: none"> <li>• Student does not provides any analysis of the invention benefits/consequences; environmental, societal, market potential.</li> <li>• Student does not describe challenges of invention process and how they were addressed.</li> </ul>	_____ 4
Inventor's Documentation	<ul style="list-style-type: none"> <li>• Student completes and includes all required elements for the journal.</li> <li>• Student signs, dates and includes witness signature on most pages.</li> </ul>	<ul style="list-style-type: none"> <li>• Student completes and includes some of the required elements for the journal.</li> <li>• Student signs, dates and/or includes witness signature on some pages.</li> </ul>	<ul style="list-style-type: none"> <li>• Student completes and includes only one required element for the journal.</li> <li>• Student includes at least one of the following: signature, date or witness signature on one or more pages.</li> </ul>	<ul style="list-style-type: none"> <li>• Student does not complete or include any of the required elements for the journal.</li> <li>• Student does not sign, date or include witness signature anywhere in their journal.</li> </ul>	_____ 4