

Brighton High School

Class: _____

Student: _____

Grade: _____

Rubric: Technology Project Rubric

Energy Project rubric				<small>Powered by</small> iRubric TM
	Unsatisfactory 1 pts	Developing 3 pts	Qualified 5 pts	Highly Qualified 7 pts
Design Points =	<p>Unsatisfactory</p> <p>Design did not meet objective due to failure to consider constraints (DQ) or important variables</p>	<p>Developing</p> <p>Design did not meet objective despite significant effort due to unforeseen complication or setback. Design may not have been a best solution (e.g. too complicated)</p>	<p>Qualified</p> <p>Design was successful in meeting objective; obvious modifications are warranted and significant improvement is possible</p>	<p>Highly Qualified</p> <p>Your design surpassed most others and represents a best solution; you optimized form, function, and all resources of technology</p>
Materials Points =	<p>Unsatisfactory</p> <p>Materials used hindered your progress and performance</p> <p>You failed to consider important material properties that negatively impacted your outcome</p>	<p>Developing</p> <p>You did not carefully consider material options or choose the best materials for the job, and as a result, your outcome was not fatal but not optimal either</p>	<p>Qualified</p> <p>You gave careful consideration to materials used; however, if you started over some substitutions would be made because some variables were unforeseen</p>	<p>Highly Qualified</p> <p>The materials used reflect wise consideration of material properties and performance variables and optimize performance of your design</p>
Planning Points=	<p>Unsatisfactory</p> <p>Your work style is too often haphazard with too much "making it up as you go along."</p> <p>Lack of a purposeful direction makes it difficult to achieve your goal</p>	<p>Developing</p> <p>Your progress was inconsistent; you got slowed down or redirected on occasion because you didn't anticipate and plan ahead. Too much troubleshooting, not on a deliberate plan</p>	<p>Qualified</p> <p>Your daily activities were purposeful and deliberate making efficient use of time and resources</p>	<p>Highly Qualified</p> <p>Your project management- from the beginning of the project to the end- demonstrated thoughtful coordination and led to your anticipated success</p>
Workmanship Points=	<p>Unsatisfactory</p> <p>Design is satisfactory; but did not use tools and materials or time to build a functional product.</p> <p>Fatal flaws in assembly hindered success</p>	<p>Developing</p> <p>Your product design is satisfactory; yet performance is compromised due to lack of attention to accurate measuring, cutting, adhesion, etc.</p> <p>Work may be fragile, incomplete, or "ugly"</p>	<p>Qualified</p> <p>Your product is functional. Greater precision in measuring, cutting, and building may improve work/product quality, efficiency, appearance, and/or performance.</p>	<p>Highly Qualified</p> <p>Your product is assembled skillfully: you measure, cut, and build with precision; you demonstrate skills with tools and materials; this is reflected in product performance</p>

<p>Collaboration Points=</p>	<p>Unsatisfactory</p> <p>Your team was somewhat dysfunctional and, as a direct result, your project didn't really get done</p>	<p>Developing</p> <p>Not everyone contributed significantly</p>	<p>Qualified</p> <p>Everyone on your team contributed to a positive outcome.</p>	<p>Highly Qualified</p> <p>Teamwork enhanced project: creativity, multitasking, shared-decision making,</p>
		<p>Lack of initiative, responsibility, or leadership was detrimental to outcome</p>		<p>initiative, division of labor, cooperation helped your work and outcome.</p>
<p>Safety Points=</p>	<p>Unsatisfactory</p> <p>You have more than once done something that put yourself or others in serious danger.</p> <p>You must retake our safety course before working in shop again</p>	<p>Developing</p> <p>On less than three times you have been reminded of safety procedures (e.g. glasses), warned about your actions (e.g. playing), or been seen doing something not smart</p>	<p>Qualified</p> <p>You are not a risk in the shop but you need to slow down and remember to anticipate and recognize risks and act safely to prevent accidents</p>	<p>Highly Qualified</p> <p>Safety is your top priority. You act carefully, protecting yourself and others at all times. You never hurry, act impulsively, get distracted, or use tools inappropriately</p>
<p>Clean-up Points=</p>	<p>Unsatisfactory</p> <p>You don't clean-up after yourself or help others</p>	<p>Developing</p> <p>You clean-up great when the teacher is directing.</p>	<p>Qualified</p> <p>You are sometimes responsible in keeping our workshop clean, returning tools, picking up materials, throwing away garbage and recycling scraps</p>	<p>Highly Qualified</p> <p>You show respect for your school, yourself, and your community by actively modeling stewardship of our work environment and keeping our work area safe.</p>

Comments:

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Rubric Code: **PXW23W6**