

LED Lamp Project Rubric

CRITERIA	4 - Advanced	3 - Proficient	2 - Developing	1 - Insufficient	PTS.
Fusion 360 Design Accuracy	<p>Computer model shows Advanced understanding of the tutorials and used Fusion 360 confidently</p> <p>The model is complete and accurate, all sketches are fully constrained, parts are named and organized, and components fit together correctly</p>	<p>Computer model shows proficient use of the tutorials and used Fusion 360 well.</p> <p>Tools are used correctly and the model works and looks right, with just a few small issues.</p> <p>Model is complete and functional, most sketches are constrained, parts are modeled as components, and dimensions mostly match.</p>	<p>Computer model shows a developing understanding</p> <p>You tried to follow the tutorials but missed steps or tools. The model is mostly there but has some problems.</p> <p>Some sketches are unconstrained, parts may not be assembled correctly, and some features are missing or not working</p>	<p>Computer model shows evidence of little understanding of Fusion 360</p> <p>You had trouble using Fusion 360 or didn't complete the tutorials. The model is unfinished or not usable.</p> <p>Model is incomplete or missing, parts are unorganized, and key features don't work or are not there.</p>	
Control of Media/Materials & Craftsmanship	<p>Student exhibits control of media/materials to a superior level, heightening the overall intention of the piece.</p> <p>You took great care in how your lamp was cut, assembled, and finished. Everything fits, looks clean, and works well.</p> <p>Craftsmanship is outstanding.</p>	<p>Student controls media/materials. There are a few inconsistencies, but they do not detract from the intention of the work.</p> <p>You followed directions and the lamp works, but some parts could be cleaner or better aligned.</p> <p>Lamp is fully assembled and functions. Some minor issues like small gaps, slight misalignment, or extra glue</p> <p>Overall, the project is clean with good craftsmanship.</p>	<p>Student demonstrates some control over media/materials.</p> <p>There are visible inconsistencies that detract from the work.</p> <p>You finished the lamp, but it looks rushed or doesn't work quite right.</p> <p>Parts may be misaligned, unevenly cut, or sloppily glued.</p> <p>Craftsmanship is average. OR Craftsmanship is below the level exhibited on previous pieces of artwork.</p>	<p>Student struggles with control of media/materials. Work is unfinished.</p> <p>The lamp is not finished or was poorly assembled. Assembly looks rushed or careless.</p> <p>Craftsmanship is below average.</p>	
File Prep and Vector Cleanliness	<p>Your DXF laser-cut files were perfectly organized and ready to go. Parts were nested well with little material waste.</p> <p>You could use the laser cutter independently with no mistakes cutting parts.</p>	<p>Your DXF laser-cut files could have been better organized. Parts nested well but some material waste. A few mistakes were made during the cutting process.</p> <p>You could use the laser cutter independently with few mistakes cutting parts</p>	<p>Your DXF laser-cut files had errors that caused cutting problems and material waste. Including double lines, and missing elements.</p> <p>You needed extra help fixing errors in your files and help using the laser cutter.</p>	<p>Your DXF laser-cut files were not usable without major help or redo.</p> <p>Poorly organized or incomplete files. Cutting failed or couldn't happen as planned.</p>	
Project Completion	<p>You completed everything, on time, with attention to detail. Tutorials, quizzes, blog posts, and lamp were all done.</p> <p>Blog post reflects effort and process.</p>	<p>You finished most parts of the project with minor things missing.</p> <p>Lamp is done. Some documentation may be missing or late.</p>	<p>You completed part of the project but not everything.</p> <p>Tutorials or blog documentation are missing or rushed.</p>	<p>You did not finish key parts of the project.</p> <p>Lamp not turned in or is non-functional. Little or no documentation.</p>	
Management Of Class Time	<p>Outstanding use of class time.</p> <p>The student was self-motivated the whole time, seeking assistance as needed.</p>	<p>Appropriate use of class time.</p>	<p>Class time was not fully utilized.</p> <p>The student was sometimes distracted or off task.</p>	<p>Class time was ineffectively used, resulting in a low level of progress while working on the assignment.</p> <p>The student was often off task and not focused on the project.</p>	

Requirements	All requirements were met and expectations were often exceeded.	All requirements were met.	One requirement was not met or met completely: - _____	Multiple requirements were not met or met completely: - _____ - _____ - _____	

Name: _____

Project:

Comments

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