Completion/Skill Mastery			
4 Built a complete, working design that is ready for implementation by the assigned deadline. It is a finished product and represents the original vision.	3 At the project due date the model works as a proof-of-concept. Functions correctly based on the scientific principles studied in the Scientific Inquiry, but is not a finished product.	2 At the project due date the model physically represents a final version but does not work, or, shows most progress toward working but is incomplete.	1 At the project due date the model does not function as intended and is not near completion
Engineering process			
4 Built and tested a prototype based on original design idea, and modified it based on my results so that it functions as intended. Device actually works as expected/intended.	3 I used the information I found to come up with a design, and I built something that sort of works. I tested and modified my design to get it to work better.	2 I tried to build something based on a design I found, but it didn't work.	1 I didn't really build anything - I just copied a design I found and didn't actually even try to build it.
efficiency/time usage			
4 Used class time well. Spent every class period building/designing/engineering your build. No time wasted.	3 Most time used efficiently but maybe didn't have materials ready to begin, or missed classes/opportunities to engage in build.	2 Missed classes, didn't have materials ready for building promptly, or had materials ready but didn't engage in building efficiently	1 Dawdled, wasted time, delayed, an made little progress
Effort/work ethic			
4 independently researched, learned about the issue, devised and attempted to implement a solution/new idea/innovative twist on an existing product with a clear, viable purpose	3 researched, learned about the issue. Solution is kind of a new idea but draws heavily from existing projects/products. Could be more novel. Doesn't have the clearest purpose, usefulness or viability	2 drew heavily from existing ideas, didn't alter or innovate in any major way. Build quality is good but purpose/intent/viability isn't clear.	1 Dawdled, wasted time, delayed, threw hands up and asked to be told what to do
Communication			
4 Clearly communicated all features of the design through labeled blueprint/sketch, powerpoint presentation, or product demonstration detailed enough for another person to recreate the design	3 Most, but not all, design features were communicated well. Someone else could build it with some assistance	2 Blueprint/sketch is has some labels and measurements, but is difficult to interpret and would be difficult to build from	1 Even when prompted, student would not communicate design features, and it would be very difficult/impossible for someone else to recreate the design.