

Innovation & Invention Lesson - Rubric for Evaluation

Process	Beginning 1	Developing 2	Accomplished 3	Exemplary 4
Identify and clearly state the need or problem	Students did not include a statement of the need or problem	Students description of the problem was confusing to listeners, required considerable explanation to clarify	Student's description of the problem required some questions and answers to clarify.	Students clearly identified the problem that would be solved with their prototype
Research the need or problem	Students identified fewer than 3 research resources and documentation was incomplete	Students identified 3 -4 research resources and documentation was incomplete	Students identified 4-5 research resources, documentation was partially incomplete	Students identified and properly documented 5 separate research resources
Develop and clearly identify possible solution(s) Articulate the possible solutions in two and three dimensions	Students identified in writing or in graphic form one possible solutions to the stated need or problem	Students identified in writing or in graphic form two possible solutions to the stated need or problem.	Students identified in writing or in graphic form three possible solutions to the stated need or problem.	Students identified in writing or in graphic form more than 3 possible solutions to the stated need or problem.
Select the best possible measurable solution(s)	Students state their choice for solution to the need but do not convey the reason for it's selection	Students state the choice for the solution to the stated need. Additional explanation and discussion is required to clarify why it was selected.	Students clearly state the best possible solution to the need or problem and why it was selected. Some explanation is necessary to determine why it was chosen.	Students clearly state the best possible solution to the need or problem and why it was selected.
Construct a prototype	Students do not present a prototype, there is no demonstration of a solution to the stated need or problem	Students present an incomplete prototype that requires additional explanation to demonstrate how it solves the need or problem identified.	Students present an incomplete prototype, but it demonstrates how it solves the need or problem identified.	Students present a prototype that clearly demonstrates how it solves the need or problem identified.
Process Teamwork	The final product is not the result of a collaborative effort. The group showed no evidence of working together.	The team had problems working together. Little collaboration occurred.	The team worked well together, but could have utilized each other's skills to a better degree	It is evident that a mutual effort and cohesive unit created the final product

Presentation	Beginning 1	Developing 2	Accomplished 3	Exemplary 4
Presentation Teamwork	One student presented for the group, the remaining team members did not know the information being presented.	Two students on the team did not participate, and did not know the information being presented.	One student on the team did not participate. The remaining team members knew the information being presented and were clearly understood.	All students on the team participated in the presentation. All presenters knew the information being presented and were clearly understood.
Presentation Aesthetics, readability, flow	The presentation is incomplete or missing. There are multiple spelling and/or grammar errors. The slides are hard to follow and/or difficult to see.	The presentation documents some of the invention process. The slides are incomplete or hard to follow and/or they are difficult to see. There are several spelling and/or grammar errors.	The presentation documents most of the invention process. The slides are appealing, and flow smoothly. There are some spelling and/or grammar errors.	The presentation clearly documents the invention process. The slides are visually appealing, uncluttered, and flow smoothly. There are no spelling or grammar errors.
Extra Points for Work above and beyond the assignment requirements				
Lost Points for late submission of some or all of the assignment				
Total Points earned for this assignment				