



Module A Grading Rubric

Student: _____

Class: _____

Date: _____

Teacher: _____

| Rubric Categories | Outstanding 95-100% of category pts | Satisfactory 80% -94% of category pts | Unsatisfactory < 80% of category pts | X if N/A to this lesson |
|---|---|---|---|-------------------------------|
| Identified a Real-World Problem _____ of 10 pts | ✓ Identifies a real-world problem in detail and clearly understands the relevancy. | ✓ Identifies a real-world problem with little detail, but does understand the relevancy | ✓ List the problem only without detail or understanding of the relevancy | |
| Researched Criteria _____ of 10 pts | ✓ Completely understands the meaning of the criteria, how and why it must apply to the design | ✓ List criteria needed for the design | ✓ Missing a one or more criteria | |
| Brainstormed _____ of 10 pts | ✓ Brainstormed several iterations (ideas) together with team respecting each other's perspective | ✓ Brainstormed at least two ideas respecting each other's perspectives | ✓ Brainstormed only one idea without consideration of each other's perspective | |
| Collaboration _____ of 10 pts | ✓ Worked well together and communicated well throughout the entire process while sharing the work equally | ✓ Worked well together and communicated when necessary, each person contributes although work may not have been evenly shared | ✓ Did not work well together, little communication and one person basically does nearly all the work | |
| Worksheet Completion (Drawing or Description) _____ of 10 pts | ✓ Submitted completed written work or a drawing of a prototype that is neat, clearly labeled, showing all measurements and details matching | ✓ Submitted partially completed written work or a drawing, that is labeled with all measurements matching criteria, however neatness should | ✓ Submitted poorly completed written work or a drawing of a prototype lacking labeling or measurements, or it lacks neatness, thus making it very difficult to read | |

| Rubric Categories cont. | Outstanding 95-100% of category pts | Satisfactory 80% -94% of category pts | Unsatisfactory < 80% of category pts | X if N/A to this lesson |
|--|---|---|---|-------------------------|
| Presentation _____ of 10pts | ✓ Communicates the results of the testing well during the presentation to the class. Includes the design, results, possible improvements. Also listens well to gain feedback information for improvement | ✓ Communicates the results of the testing well during the presentation to the class. Includes the design, results, but may not include ideas for improvement. | ✓ Communicates the results of the testing too briefly, with little detail or may not listen well to others to gain feedback information for improvement | |
| Class/Lab Behavior _____ of 10 pts | ✓ Student practices good lab safety conduct: not horseplay, distracting others or talking while instructions are being given. No Misuse of lab supplies or iPads. Clean up is complete. Student assist in lab clean up after their area is do | ✓ Student practices good lab safety conduct: not horseplay, distracting others or talking while instructions are being given. No Misuse of lab supplies or iPads. Clean of lab area is complete | ✓ Student practices poor lab safety conduct, or class behavior which include: Repeatedly talking during instruction, horseplay, misuse of lab equipment, inadequate clean-up of lab space or any inconsiderate behavior that distracts from others ability to learn | |
| Challenge Completion _____ of 10 pts | ✓ Student makes all efforts and attempts to successfully complete the lesson challenge: including being engaged in the process, listening to all videos and resources available, and utilizing STEAM methods of trial and error. | ✓ Student makes some attempts to successfully complete the lesson challenge: including only a few behaviors of being engaged in the process, listening to all videos and resources available, and utilizing STEAM methods of trial and error. | ✓ Student makes minimal attempts to successfully complete the lesson challenge: including only a one or less of the behaviors of being engaged in the process, listening to all videos and resources available, and utilizing STEAM methods of trial and error. | |

| Rubric Categories cont. | Outstanding 95-100% of category pts | Satisfactory 80% -94% of category pts | Unsatisfactory < 80% of category pts | X if N/A to this lesson |
|--|---|---|--|-------------------------|
| Completion of Lesson Objectives _____ of 20 pts | ✓ Students successfully demonstrates mastery of the required learning objectives for this lesson. | ✓ Students demonstrates only partial mastery of the required learning objectives for this lesson. | ✓ Students demonstrates minimal levels of mastery of the required learning objectives for this lesson. | |
| Engaged in Engineering Design Process _____ of 20 pts | ✓ Student redesigns the next version incorporating all feedback, and experience from the previous testing and shows additional improvements and creativity or student may have done additional independent research. Drawing is very detailed showing points of improvement | ✓ Student redesigns the next version incorporating some feedback and reflection from testing. Drawing is properly done showing points of improvement. | ✓ Student redesigns without incorporating feedback from the presentations. Drawing does not address previous problems show during the testing. | |

Grading Scale (%)

70-80- unsatisfactory (US)

80 - 86 - satisfactory (S)

87 - 89 - satisfactory + (S+)

90 - 100 - Outstanding (O)

Total Rubric Points: _____ / _____

Percentage: _____ % = _____

Grading Comments: