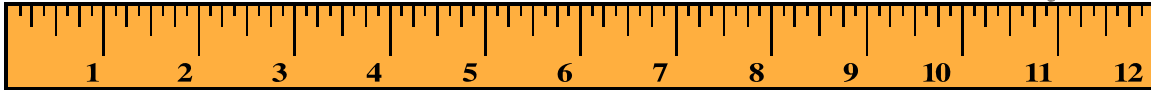Name: _____   Section: _____

Units, Measurements, & Conversions Project

As you know, we rely on units of measure and devices to help make measurements on a daily basis. Therefore, awareness of such things is an integral part of living day to day. This knowledge of units and measurements can range from using the appropriate measuring cup for making a cake to determining how much wood should be purchased for a home project. Whatever the case may be, these units and measurements are an essential part of our everyday lives.

For this project you must create a unit (or units) for measure, along with the unit relationships. This should be based on something that you think is worthy of being measured and having its own set of units, but is not currently in existence. Once you decide on the unit(s), you must provide a proposal to the International Committee for Weights and Measures[*]. This proposal should provide evidence supporting your rational for your unit(s).

Your proposal should:

☑ Be presented using poster board, PPT, or a video
☑ Include a minimum of two paragraphs detailing the importance and benefits of your unit(s) – (persuasive argument)
☑ Include a model of a device used to measure your unit(s) and an explanation of how it is used (ex. – a ruler is a device used to measure length and it works by counting the lines that have designated values)
☑ Highlight whether your unit (or units) is based in the metric or U.S. system and include examples of how you would convert your unit(s) of measure
☑ Be mechanically sound (proper grammar and spelling)
☑ Be neatly put together

[*]One of the three organizations established to maintain the International System of Units (SI) under the terms of the Convention du Mètre (Metre Convention) of 1875. It meets in Paris every four to six years. Its principal task is to ensure world-wide uniformity in units of measurement and it does this by direct action or by submitting proposals to the General Conference on Weights and Measures

Name: _____ Section: _____

Units, Measurements, & Conversions
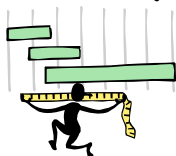
Project Grading Rubric

Component	Exceptional (10-9 Points)	Acceptable (8-7 Points)	Marginal (6-5 Points)	Points
Persuasive Argument	Convincing argument that provides an excellent rationale for the acceptance of the new unit(s) by the committee	Reasonable argument that provides decent rationale for the acceptance of the new unit(s), but would benefit from additional supporting evidence	Questionable argument that does not clearly articulate the benefits of the unit(s) in question	
Model/Visual of Device	Appropriate model/visual with a clear description of the device, given the context of the unit(s) and measurements	Logical model/visual with a reasonable description of how the device works, however some questions remain	Confusing model/visual with an unclear description of how the device works	
Unit Relationships & Conversion Examples	Clearly illustrates unit relationships and examples of the method for converting the unit(s)	Adequate unit relationships and examples of the method for converting the unit(s), however some confusion remains	Unclear or inappropriate unit relationships and examples of the method for converting the unit(s)	
Neatness	Extremely neat and meticulously put together; project appears to have taken a lot of time and effort	Neatly put together, but does have the potential to be neater	Messy project that appears to have been completed at the last minute	
Mechanics	No misspellings or grammatical errors	One to two misspellings and/or grammatical errors	Three or more misspellings and/or grammatical errors	
Creativity	Extremely clever and composed with originality; uniquely made project	Added a few original touches to enhance the project	Little creative energy used during this project	
Presentation	Presented in an enthusiastic, informative, and thorough manner	Presented in an informative manner	Presented in a lackluster and non-informative manner	

Total _____/70

Additional Comments: