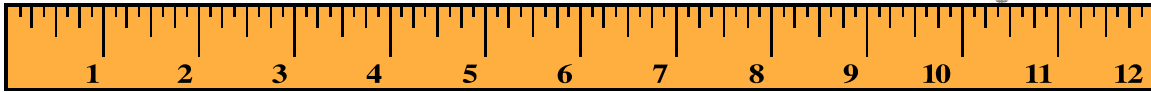


Name: \_\_\_\_\_

Section: \_\_\_\_\_

# Units & Measurements 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 (and a partner if you choose) must create a set of units for measure. This should be based on something that you think is worthy of being measured and having its own set of units. Once you decide on the unit, you must provide a proposal to the International Committee for Weights and Measures\*. This proposal should provide evidence supporting your rationale for such a set of units.

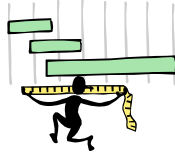
Your proposal should:

- Be presented using poster board, PPT, or a video
- Include a minimum of one paragraph detailing the importance/significance of your set of units - (persuasive argument)
- Include a model of a device used to measure your unit 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)
- 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 and Measurements



### Project Grading Rubric

Component	Exceptional (10-9 Points)	Acceptable (8-7 Points)	Marginal (6-5 Points)	Points
<b>Persuasiveness</b>	Convincing argument that provides excellent rationale for acceptance by the committee	Reasonable argument that provides decent rationale, but would benefit from additional supportive evidence	Questionable argument that does not clearly articulate the benefits of the units and measurements in question	
<b>Model of Device</b>	Appropriate model and clearly described device, given the context of the units and measurements	Logical model with an acceptable description of how the device works	Confusing model with an unclear description of how the device works	
<b>Conversion Examples</b>	Clearly presented examples of how it is possible to convert the units	Adequate examples of how the units are converted, however some confusion remains	Unclear or inappropriate examples of how the units are converted	
<b>Neatness</b>	Extremely neat and meticulously constructed; 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	
<b>Creativity</b>	Was 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	
<b>Presentation</b>	Project was presented in an enthusiastic, informative, and thorough manner	Project was presented in an informative manner	Project was presented in a lackluster and non-informative manner	

Total \_\_\_\_\_/60

Additional Comments: