

Rubric Made Using:

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Building A Structure : Building a Seismograph

Teacher Name: **Mr. Aitken**

Student Name: _____

CATEGORY	4	3	2	1
Scientific Knowledge	Explanations by student indicates a clear and accurate understanding of scientific principles underlying the construction and modifications.	Explanations by student indicates a relatively accurate understanding of scientific principles underlying the construction and modifications.	Explanations by student indicates little understanding of scientific principles underlying the construction and modifications.	Explanations by student illustrates little or no understanding of scientific principles underlying the construction and modifications.
Function	Structure functions extraordinarily well, holding up under typical stresses.	Structure functions well, holding up under typical stresses.	Structure functions pretty well, but deteriorates under typical stresses.	Fatal flaws in function with complete failure under typical stresses.
Construction -Materials	Appropriate materials were selected and creatively modified in ways that made them even better.	Appropriate materials were selected and there was an attempt at creative modification to make them even better.	Appropriate materials were selected.	Inappropriate materials were selected and contributed to a product that performed poorly.
Construction - Care Taken	Great care taken in construction process so that the structure is neat, attractive and follows plans accurately.	Constuction was careful and accurate for the most part, but 1-2 details could have been refined for a more attractive product.	Construction accurately followed the plans, but 3-4 details could have been refined for a more attractive product.	Construction appears careless or haphazard. Many details need refinement for a strong or attractive product.

Date Created: **November 18, 2014**