## **Building A Structure : Prototype for Circuit**

## Teacher Name: Mr. Bowden

## Student Name:

CATEGORY	4	3	2	1
Scientific	Explanations by all group	Explanations by all group	Explanations by most	Explanations by several members
Knowledge	members indicate a clear	members indicate a	group members indicate	of the group do not illustrate
	and accurate understanding	relatively accurate	relatively accurate	much understanding of scientific
	of scientific principles	understanding of scientific	understanding of	principles underlying the
	underlying the construction	principles underlying the	scientific principles	construction and modifications.
	and modifications.	construction and	underlying the	
		modifications.	construction and	
Construction -	Great care taken in	Constuction was careful and	Construction accurately	Construction appears careless or
Care Taken	construction process so	accurate for the most part,	followed the plans, but 3-	haphazard. Many details need
	that the structure is neat,	but 1-2 details could have	4 details could have been	refinement for a strong or
	attractive and follows plans	been refined for a more	refined for a more	attractive product.
	accurately.	attractive product.	attractive product.	
Plan	Plan is neat with clear	Plan is neat with clear	Plan provides clear	Plan does not show
	measurements and labeling	measurements and labeling	measurements and	measurements clearly or is
	for all components.	for most components.	labeling for most	otherwise inadequately labeled.
			components.	
Function	Structure functions	Structure functions well,	Structure functions pretty	Fatal flaws in function with
	extraordinarily well, holding	holding up under typical	well, but deteriorates	complete failure under typical
	up under atypical stresses.	stresses.	under typical stresses.	stresses.
Modification/Tes	Clear evidence of	Clear evidence of	Some evidence of	Little evidence of
ting		troubleshooting, testing and	troubleshooting, testing	troubleshooting, testing or
ting	and refinements based on	refinements.	and refinements.	refinement.
	data or scientific principles.	i chinemento.	una rememento.	i chilenent.

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