

Building A Structure : Making A Water Rocket

Teacher Name: **Coventry Middle School S.T.E.M**

Student Name: _____

CATEGORY	20	15	10	5 or 0
Scientific Knowledge	Explanations by all group members indicate a clear and accurate understanding of	Explanations by all group members indicate a relatively accurate understanding of	Explanations by most group members indicate relatively accurate understanding of	Explanations by several members of the group do not illustrate much understanding of
Construction - Care Taken	Great care taken in construction process so that the structure is neat, attractive and follows plans	Construction was careful and accurate for the most part, but 1-2 details could have been refined for a	Construction accurately followed the plans, but 3-4 details could have been refined for a	Construction appears careless or haphazard. Many details need refinement for a strong or attractive
Modification/Testing	Clear evidence of troubleshooting, testing, and refinements based on data or scientific	Clear evidence of troubleshooting, testing and refinements.	Some evidence of troubleshooting, testing and refinements.	Little evidence of troubleshooting, testing or refinement.
Function	Structure functions extraordinarily well, holding up under atypical 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.
Journal/Log - Content	Journal provides a complete record of planning, construction, testing, modifications,	Journal provides a complete record of planning, construction, testing, modifications, and	Journal provides quite a bit of detail about planning, construction, testing, modifications, and	Journal provides very little detail about several aspects of the planning, construction, and