Name: _____ Date: _____ Class: _____

Engineering Design Challenge Rubric

	Expert	Advanced	Emerging	Not Evident
Engineering Design Process	**Prototype was completed on time, according to the constraints, and was tested successfully. Prototype can be replicated.**	**Prototype was completed on time, but does not follow the constraints, and was tested successfully. Prototype can be replicated.**	**Prototype was not completed on time and did not follow the constraints, but was tested successfully. Prototype needed additional explanation to be replicated.**	**Prototype was not completed on time, did not follow the constraints, but has been tested. Prototype could not be replicated.**
Testing Data	**Data table included accurate data for all of the following: -Color formulation -pH -results with indicator**	**Data table included accurate data for 2 of the following: -Color formulation -pH -results with indicator**	**Data table included accurate data for 1 of the following: -Color formulation -pH -results with indicator**	**Data table did not include accurate data for any of the following: -Color - formulation -pH -results with indicator**
Math Calculations	**Included accurate proportional reasoning for scaling dye volume to given area. Process included.**	**Included accurate proportional reasoning for scaling dye volume to given area. Process was not included.**	**Included flawed/inaccurate proportional reasoning for scaling dye volume to given area. Process included.**	**Included flawed/ inaccurate proportional reasoning for scaling dye volume to given area. No process included.**