

CATEGORY	4	3	2	1
Plan for Prototype	Plan is neat with clear measurements and labeling for all components. Design changes are described and justified.	Plan is neat with clear measurements and labeling for most components. Design changes are described.	Plan provides clear measurements and labeling for most components. Design changes are noted.	Plan does not show measurements clearly or is otherwise inadequately labeled.
Prototype	Prototype designed and adjusted using data from multiple sources, including real-world tests.	Prototype designed and adjusted using data from real-world tests.		No prototype.
Data Collection	Data taken at least three times in a careful, reliable manner, and are used to inform decision making.	Data taken twice in a careful, reliable manner and used to inform decision making.	Data taken once or twice in a careful, reliable manner.	Data not taken carefully OR not taken in a reliable manner.
Technical Drawing	Technical drawing indicates improvement to prototype, includes detailed labels and scale, and includes two or more views to show all components of final design.	Technical drawing indicates improvement to prototype, includes detailed labels and scale, and includes only one view and/or fails to show all components of final design.	Technical drawing indicates improvement to prototype, includes detailed labels and scale.	Technical drawing does not indicate improvement to prototype OR does not include detailed labels and scale.
Solution	Final technical drawing or prototype demonstrates an optimal design that cleans water to determined standards (i.e. turbidity, pH, Nitrate/Nitrites, and/or Ammonia).	Final technical drawing or prototype partially demonstrates a design that cleans water to determined standards.		Final technical drawing or prototype does not demonstrate an optimal design that cleans water to determined standards (i.e. turbidity, pH, Nitrate/Nitrites, and/or Ammonia).