



Poseidon's Trident

WASHINGTON STEM TEAM

LOCATION

- Address: 100 4th ST. Joliet
 - Old Eastside Food Mart
 - Abandoned building
- Cost to build: \$20,000
- Ways to fund: Government grants
- Energy efficiency: Runs on wind energy and solar power



PROJECT SUMMARY

-The overall idea of the project is to provide a place where people can buy healthy food and can get in a good workout for a low cost. We searched and found there are no gyms in the Washington school area and most of the places to purchase food are fast food restaurants.

-There are high obesity rates everywhere in the U.S. and the over population of fast food restaurants and the scarce population of healthy restaurants and gyms is partially to blame.

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PROJECT SUMMARY CONTINUED

- The gyms or healthy restaurants that do exist are usually very expensive , leading most people to choose fast food because it's cheaper.**
- Our restaurant/gym will provide a gym and a place to buy and eat healthy food, and since most of our profit will come from donations we will sell for a low cost.**

SUMMARY CONTINUATION

When you walk in, to your left is the restaurant area and to your right is the gym/workout area. The restaurant includes the fish tank where we keep fish (that help in some ways grow the plants and can also be used for food) and grow our plants using hydroponics (the method of growing plants without using soil) and the eating area beside that. The gym includes different areas for different equipment.

Someone visiting our restaurant/gym would probably go exercise for a while and afterwards go eat food inside the restaurant.

Financial Impact

- **Benefits for the community:** It provides a place for people to eat healthy food and get a substantial workout.
- **Job Creation:** It would allow people to get jobs that might be interested in Physical training, cleaning/maintenance jobs and food service jobs. (cooks, servers, dishwashing, etc.)
- **Generation of Revenue:** All of our money would come from donations. (People who don't donate can still use the facility)

VIRTUAL TOUR



STEM INTEGRATION

- **Science-** the science in our project is that we plan to use hydroponics, which is the method of growing plants without soil to provide for food.
- **Technology-** The engineering in our project is we will use bikes to generate electricity using the energy already created by the movement and a generator.

STEM INTEGRATION

- **Engineering-** The engineering in our project is the building and figuring out how to make it on our own with teamwork from others.
- **Math-** The math in our project is to figure out the amount of area in which we have to calculate the amount of space as well as calculating and managing the budget.