Challenged Based Learning: Reflection Presentation

By: Maxwell Tran and Jordan Palafox-Kung
What was the essential question that you were trying to answer with your project?

The essential question we’re trying to answer is, “Why is waste in the water a problem”. Water pollution can cause water to become toxic to humans and the environment. Water is an essential resource for all life on Earth. If a water source becomes contaminated due to pollution, it can lead to health issues in humans.
What were the deliverables your project provided?

We made a logo, PSA video, poster, 3D-printed water bottle and a podcast each with their purposes. The logo helps represent us and our work, our PSA video and poster helps spread awareness on why we should care about water pollution. The water bottle is one of the solutions because it biodegrades over time and purifies water. The podcast helps promote our website and our water bottle.
What kind of business would you be if this project were to continue?

In the future, our business would be a nonprofit business. We would give all the money we earn to a charity that helps water pollution. We would be the designers of our water bottles but not the manufacturers because mass-producing 3D-printed water bottles are expensive and take too much time.
Did you create any relationships with outside organizations to help your challenge?

Unfortunately, we haven’t made an relationship with a outside organization.
Were there any setbacks along the way?

Yes, there were many setbacks during the process. Including the multiple incidents where the 3D printer malfunctioned therefore requiring many reprints. Also, the water bottle itself was designed poorly the first time including a honeycomb interior and an unstable base causing the water bottle to fall over.
What ways of promotion techniques did you use to “Get the word out” ?

The podcast is used to spread awareness about our 3D-printed water bottle, it promotes our website and spreads awareness about water pollution.
Provide details about the costs of your challenge through your business proposal

The water filter adapter costs $36.99, with tax it ended up being $41.79.
What tools and skills did you use to complete your challenge?

The tools we used to complete our challenges were Photoshop for the logo, Sony Vegas for the Water Pollution PSA, Canva for our poster and Audacity for our podcast. The equipments we used are a microphone and Cubicon Single Plus (3D-Printer).
Evaluate your effectiveness in this project by providing evidence of measurable change

We spend approximately 50 hours working on this project. In the process of printing our 3D-printed water bottle, we printed 15 3D prints. Each took a range of half an hour to a whole day to print. In the future, we hope our podcast views will reach 100+ views and we hope our link will hit 100+.
If you were to attempt this challenge again, what things would you do differently? - Maxwell

If I were to attempt this challenge again, I would start with the 3D-printed water bottle rather than end with it. I would also make the poster more interesting with bigger text and better visuals. I would spread more awareness by putting posters all around the school and uploading our video to youtube.
If you were to attempt this challenge again, what things would you do differently? - Jordan

If I were to attempt this challenge again I would change out the clips/songs in the water pollution PSA to make sure none of the clips/songs were copyright.
Create the Solution, Not the Pollution