

Trisha Harrison

Group Project

#2

In our second group project we eventually choose to take photographs of the reflection of water movement out of a fish tank. We filled the fish tank about half way to the top and then took turns tilting it so the water reflection would be on the ground. Then we put a white board in the area where the reflection was hitting. We tried multiple methods of creating images. We dropped small beads of water into the corners and the middle of the tank. We also used a syringe and shot sugar water into the regular water and watched how that mixture turned out. Each of these methods created very beautiful images, but my favorite outcome was when the tank was tilted and Owen hit the side of it at a rapid pace. It created such a different image then the others. It created a very linear reflection that almost looked like lightning bolts running back and forth across the white board. I found it very stimulating and beautiful.

I believe that the physics going on here was basic standing waves created in a water medium. The waves would move across the tank and then hit the other side and reflect back the other way. Also waves were created coming from the two parallel sides in toward the original wave. It created a grid like pattern. The sun was reflecting perfectly into the water that it created a rainbow in many of the photos. Even though the physics of this process seem to be very simple, the photographic outcome was beautiful.

For this project I used a Cannon EOS digital rebel XT. It is a raw image that is 4.2 MB. The shutter speed was 1/250 and the aperture was f 29.0. The ISO speed was

400 and the focal length was 55.0. The flash was off for this because we were outside using the sun as our light source.

I choose this photo because it looked very electric to me, which I found intriguing. Also you have a very clear view of the rainbow reflection in it and I personally found that very magical and different. We tried many other processes to photograph before we got to this and I actually really enjoy these more than our original project using light. The only things I changed about the picture is the contrast and lightened the expose. Besides that, the picture is totally unchanged.