

Date:

Wednesday Challenge Form

Group Members: Ara David sumin

Problem Statement: figure out a way to fix the issues with
The totes.

Approach: I hypothesized that the issues would be the battery. We wanted to isolate the circuit to isolate the issue with the totes. We have reason to believe that the battery keeps moving which reduces contact with the wire. So we decided to break open the tote. Unfortunately, during the dissection process the led was yanked off of the wire. So Jacob kept at it and substituted that part only which shows that the circuit parts independently work, but after the use of Resin a change in conformation may result in the rendering uselessness on a circuit. This makes me question various methods of keeping the circuit in tact while still allowing light to go through.

Solution: We think that keeping the circuit together is the most integral part to a successful tote.

Lessons Learned: Scientific inquiry and testing methods help in isolating an issue.