

Wednesday Challenge Form

Group Members: Sona, Lucas, Max and Jason

Problem Statement: To test the shear force, two tabs are given to each team to glue or tape them together without welding or putting bolts. The tabs will be held to the holder and gallon of bottles on the other side of it for the force needed.

Approach: We were not allowed to use more than one material to put the tabs together so our group decided to use the double sided tape to hold the tabs together. A lot of tapes were used to put the pieces. The tablet was taped horizontally. After it had been taped, it was able to hold two gallons of water.

Solution: Every teams' tablets were able to hold at least two gallons of water as a result. It needed more than two gallons of water to test the products but unable to test it.

Lessons Learned: If I would do this challenge again, I would not try to use too much tape because the tabs don't need a lot of tape to stay together.