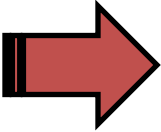


Identifying the Problem

Te

*As the years go by, more and more players are receiving concussions. Concussions are dangerous and reduce the brain's capability of healing itself.

*We need to create a helmet worthy enough to protect the skull from damage to reduce the concussion risk.



Background Research

*We wanted to use materials that would be considered 'shock absorbing'. For example, cotton balls, sponges and springs which slow the force of the weight by increasing the time it takes to hit the full helmet. Not only that, but we wanted a hard exterior that would 'shield' the egg from the weight. We also planned to immobilize the egg, meaning we wanted to fit the egg snugly in between the cotton balls, sponge, foam and Styrofoam cup. This reduces the risk of having the egg crack when our 'hard' exterior gets hit by the weight.

design



Materials:

-Twelve cotton balls, two pipe cleaners, one piece of stuffing foam, two Styrofoam cups, two sponges, three springs and one cardboard to create our helmet.

Total Cost= 180\$

To full understand why my partner and I chose these specific materials, please go to my VICIS Report, which will be linked below.