

Design Review 3

- We will demonstrate the end to end functioning of one blaster, along with one testing board
 - The prototype cardboard blaster will demonstrate that when the trigger is pulled: a button is activated, the exterior LED strip will “run” along the blaster, a “pew” sound will play, the aiming laser is activated for 3 tenths of a second, the buzzer is activated for 3 tenths of a second, and an IR pulse is sent that can be picked up by the receiver of the test board, which will be indicated by a red light
 - The prototype cardboard blaster will also demonstrate that when the receiver detects a hit: the exterior LED strip will flash 3 times, and the buzzer will buzz three times, the speaker will play an “oh no, blasted” sound. To verify the receiver, we will emit an identical pulse from the emitter on the test board for the receiver on the cardboard prototype to detect.
 - The prototype blaster runs off of three double A batteries, verifying that the power subsystem works