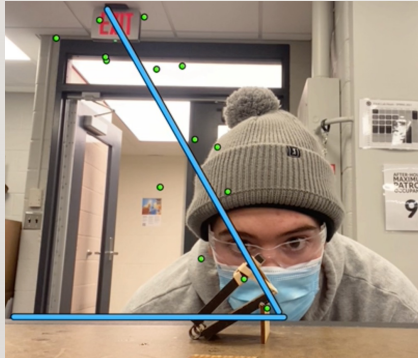


5. DESIGN REVIEW II



- This second design featured much less weight, and after some tinkering, a successful timer mechanism
 - The rubber band latches onto the small rod, and then slides off slowly because of the force from the torsion springs
- After many tests I saw the launch angle was not quite what I wanted, so I experimented with a few stands, which did bring the launch angle closer to the desired 45 degrees
 - I used a slow-motion video app to analyze the launch angle of several hops
- There was an issue with the stand slipping on the table, thus not providing sufficient force to maximize the hop distance
 - This was the main issue heading into hopper celebration

