

7. ENERGY CALCULATIONS

- To calculate the energy stored in my hopper I used a scale and a protractor
- I first placed the hopper on the scale, then zeroed it
- I then pushed and held the hopper at different angles and recorded the value on the scale for each angle
- With the knowledge of these scale readings and the moment arm of my hopper, I was able to calculate the torque at each angle
- I then plotted angle vs torque and got a fit for the plot

