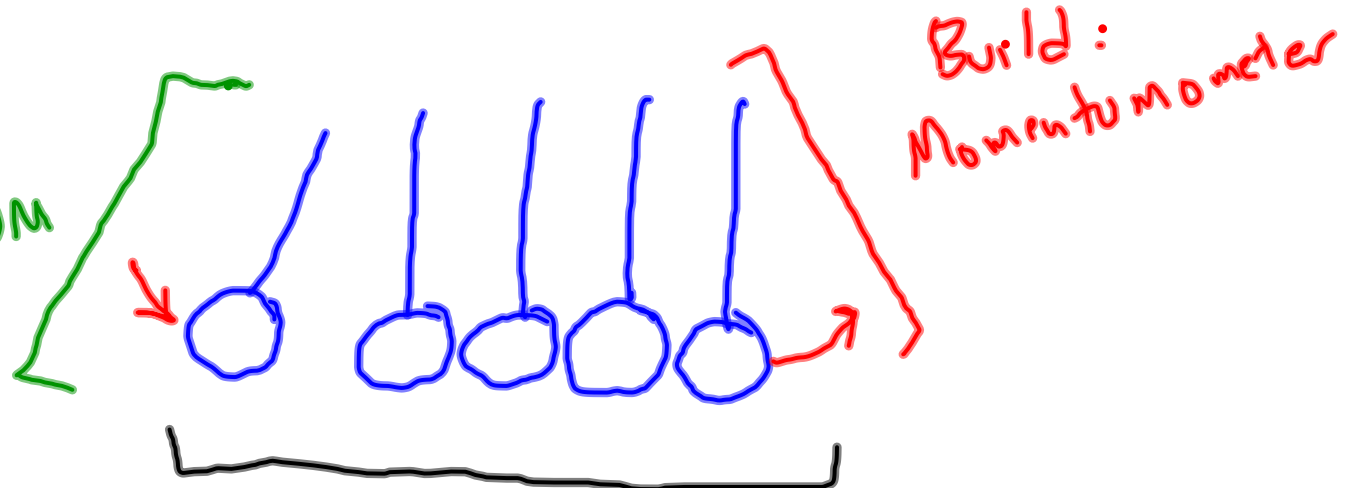


Momentumometer:

Concept:
MOMENTUM



Theory:
Formulas &
Calculations

Momentum:

- Something that moving objects have.
- The more momentum you have, the more force you can generate in a collision.
- Momentum can be transferred from one object to another
- Momentum goes up for heavy objects
- Momentum also increases with velocity

Build a momentum meter:

1. Base out of wood
2. At least 5 steel ball bearings - $\frac{5}{8}$ " in diameter (no more than 7)
3. Base should be no more than $10" \times 7" \times \frac{1}{2} - 1"$
4. Ball bearings must be lined up & touching
5. Bearings will be suspending from metal welding rods & fishing line $\frac{1}{8}"$ thick \uparrow

- Base can/should be a really cool design!
- Make a full scale side + top view of your design idea in $\text{A} + \text{CAD}$!

