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Wednesday Challenge Form

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Problem Statement: figure out how a triple

Beam balance works.

Approach: a Triple beam balance is a simple

Method to measure the mass of an object. The way it works is by three Simple steps. First, one must equalize the scale with the help of the Knob at the end. Next, you add weights on the plate to see how much It weighs. The objects on the end aren't actually the weight they claim To be but counteract the weight of the object on the plate. The way this Works is by acting like an extended weight on the end of a pole. If the Weight is in the middle it will move the coat hanger little, but if moved To the end it will move the pole more even if the weight is the same. Lastly you move the masses down the beam until it tips over, then Move it down one. Then use the smaller mass to inch forward and see How much it weighs.

Solution: the triple beam balance is like expected

Used as a lever to multiply force.

Lessons Learned: measure the values of the weight.