**MC-6 Checklist**

On the table, check the presence of:

1 Cart with force sensor and vane attached to it

2 Black iron bars that fit on the cart

1 motion sensor and stand

1 ramp and table clamp

A pulley attached to the ramp

PASCO interface

Foam padding

In the lab room, check the presence of

A spool of string

A pair of scissors

Rulers

Mass hangers and slotted weights (sufficient number of 50g and 100g weights).

On each table, check for functionality

The clamp can be tightly held in place

The ramp angle can be adjusted and the ramp can be tightly held in place.

The angle of the pulley attached to the ramp can be adjusted

The force sensor, vane and the cart are tightly attached to each other

Open the “1-D motion with force” data studio file and calibrate the force sensor. Check if the force sensor gives the expected data. (***not sure of adding this to the checklist)***

The motion sensor can be rotated and can be stable in any orientation.

The motion sensor logs correct data in the narrow beam setting.

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