

Forces

2.01A - I can apply Newton's first law (law of inertia) to make predictions in physical situations.

2.02A - I can find net force, acceleration, and/or mass given other information.

2.03A - I can describe how Newton's 3rd Law applies to physical situations and identify 3rd law pairs.

2.04B - I can identify and label the forces acting on an object (by drawing system schema and a free body diagram).

2.05B - I can use equations to perform basic calculations for forces of gravity, friction, and springs. I can also differentiate static and kinetic friction.

2.06B - I can solve force problems involving balanced or unbalanced forces. These forces could be perpendicular, at an angle, or on an incline.

2.07C - I can connect representations of motion with objects experiencing balanced or unbalanced forces. Given information about the forces or motion, I can model that behavior with force and motion models.

2.08C - I can solve advanced problems that require concepts about unbalanced forces on an incline, friction, springs and motion. These problems will require more than one model/equation.

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Name:

Date:

Learning Targets:

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