Unit 3: Physics

Lesson 4: Forces

Activity 3 (⏱ 10' minutes): Gap text

Fill the gaps with the words you've heard in the video.

AddForce is a function used to start a physics object moving, or to change the speed or direction of its movement. The function has one required parameter and one optional parameter.

The first parameter is a vector that represents a direction and magnitude of the force to be applied.

The second parameter is the mode of force being used. If this is left out it will default to the first type.

- Force is used to continuous changes that are affected by mass.
- Acceleration is for continuous changes that are not affected by mass.
- Impulse is for an instant change that is affected by mass
- Velocity Change is for an instant change that is not affected by mass.

You should also keep in mind that forces are dampened by the Rigidbody's drag property. For example, if the drag is increased, then the force applied will be less effective.