



## Academic Activity Chapter 9

# Newton's Laws

Sir Isaac Newton (1642-1727), mathematician and physicist, is recognized as one of the foremost scientists and mathematicians of all time. He studied the relationship between the forces that act on a body and the motion of that body. Newton's three laws are very important to the work of mechanical engineers and to our daily lives.

### Your Challenge

Use a complete sentence to describe each of Newton's three laws and make a sketch that illustrates an everyday example of the law.

#### 1. First Law: Inertia

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#### 2. Second Law: Momentum:

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#### 3. Third Law: Action and Reaction

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