

Simple Machines
Summative Assessment
Grade 6

Assessed Understandings

1. The amount of energy “put into” a simple machine is equal to the amount of energy “put out” by a simple machine. (Energy input = energy output).

2. Simple machines transfer energy to simplify tasks. The greater the distance, the less force required and vice versa.

3. Simple machines provide the user with an advantage by relying on the fact that simple machines can be used to either magnify the effort force or the distance traveled to make the task more manageable. Machines can provide a “directional advantage” and/or a “mechanical advantage.”