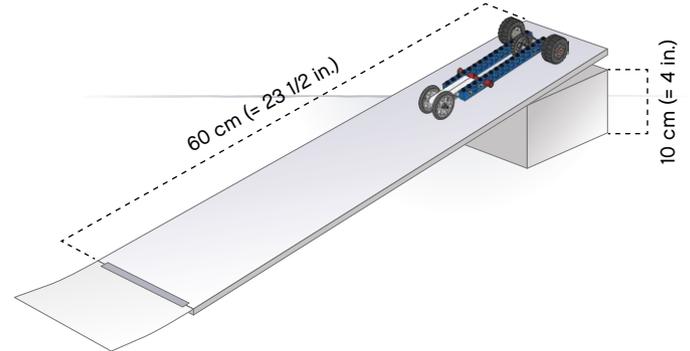
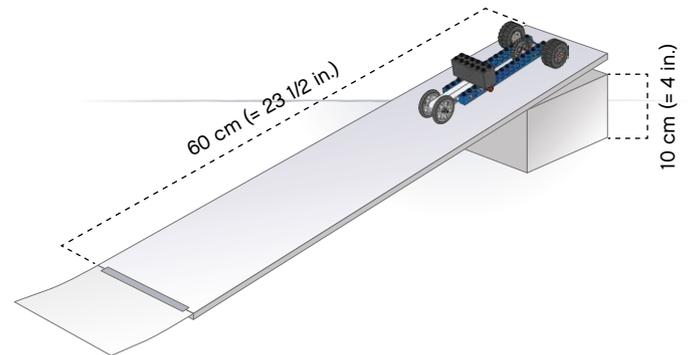


A1

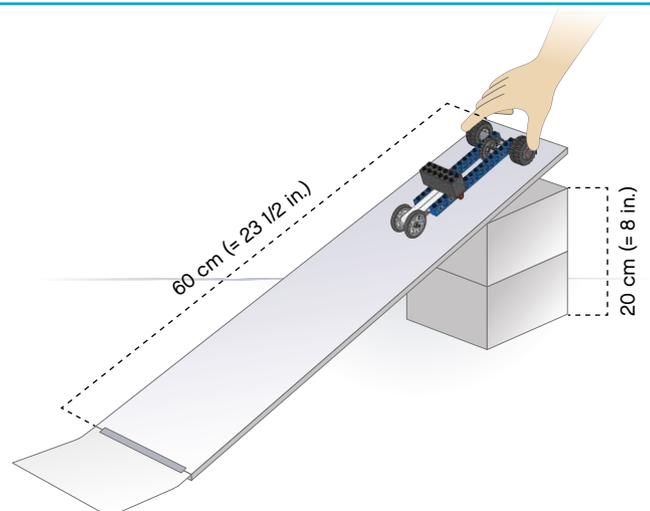
Potential energy is transformed to kinetic energy as the cart rolls down the ramp. The cart has greatest potential energy at its starting point and greatest kinetic energy at the bottom of the ramp.

**A2**

Addition of mass to the cart constitutes an increase in potential energy. As the cart rolls down the ramp, potential energy is transformed to kinetic energy. The increase of potential energy and kinetic energy makes the cart travel further and faster.

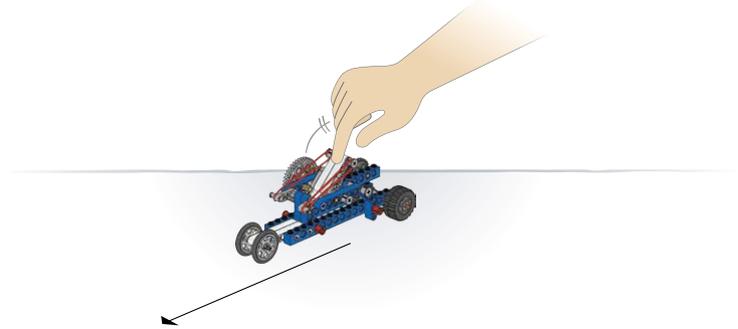
**A3**

Addition of height to the ramp constitutes a further increase in the potential energy of the cart still with the additional mass. As the cart rolls down the ramp, potential energy is transformed to kinetic energy. The increase of potential energy and kinetic energy makes the cart travel even further and even faster.



A4

As the handle of the cart is pulled back the elastic band increases its potential energy. As the handle is let go, potential energy is transformed to kinetic energy and the cart moves.

**A5**

Due to the removal of an elastic band, there is a decrease in potential energy, which makes the cart move a shorter distance.

As the handle of the cart is pulled back the elastic band increases its potential energy. As the handle is let go, potential energy is transformed to kinetic energy and the cart moves.

