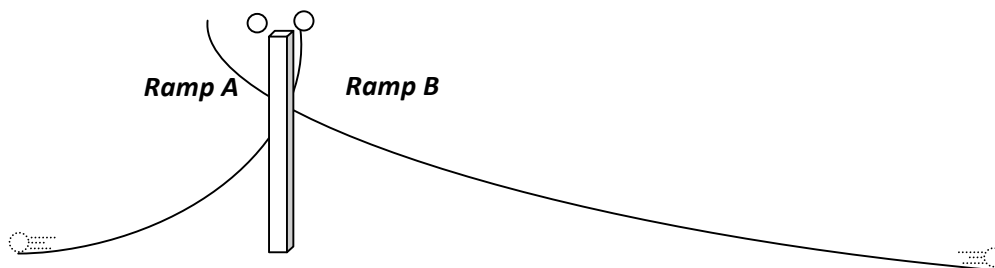


Ramp Race!

We are going to roll marbles of equal mass and size down different ramps of the same height...



Predict ...

If we had a race between the two ramps, which ramp would come in first place, A or B? Why?

Test...

Try it for real! Construct two ramps that start at the same height and end flat, at the same height. Which track won? ____ Was this consistent with your prediction? Please modify your explanation above, if it needs modifying.

Extend...

Predict...

At the end of the tracks, the marbles have final velocities. Which ramp will produce the largest final velocity? Why?

Design...

How can you determine the actual final velocities? Write down how you could do that. What data would you collect and how would you collect it?

Test...

Collect data and find the results.

	<i>Data</i>				<i>Results</i>
					Final Velocity
Ramp A					
Ramp B					

Connect...

How does this connect to what we have learned about Potential and Kinetic Energy?