

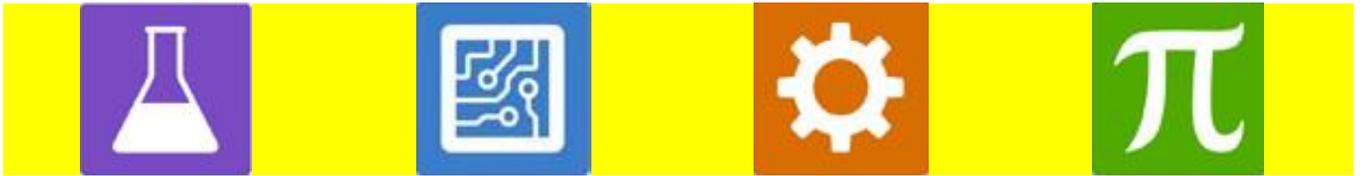
Stem

Student packet

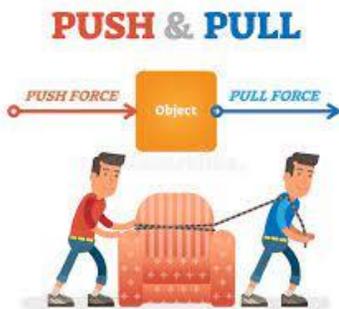
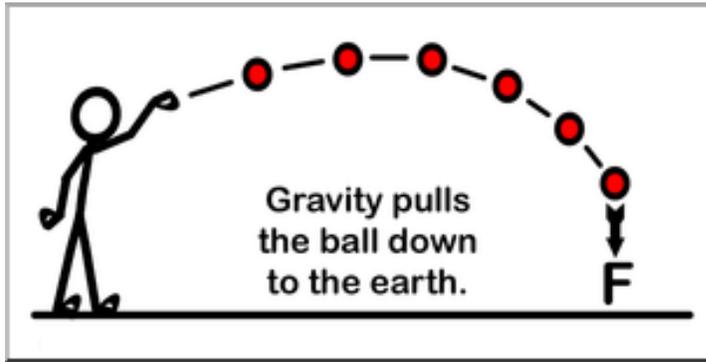


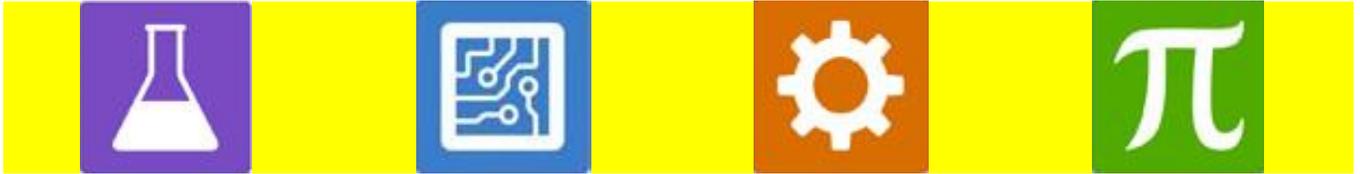
Name _____

Section _____



STEM Vocabulary





Group # _____

Section: _____

Student Name: _____

Partner's Name: _____

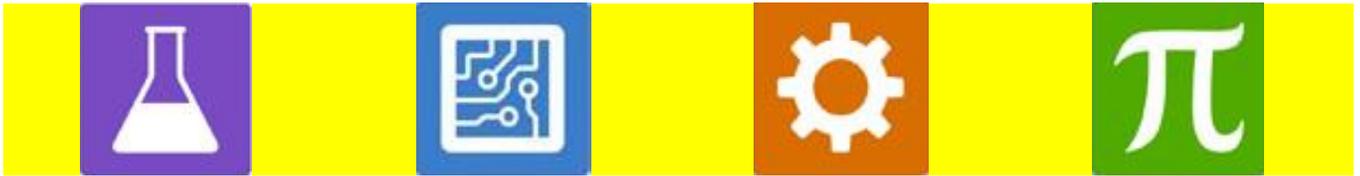
Give your project a title:

Design the Prototype

(Create a labeled diagram of your prototype.)

Materials

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Group # _____ **Section:** _____
Student Name: _____
Partner's Name: _____

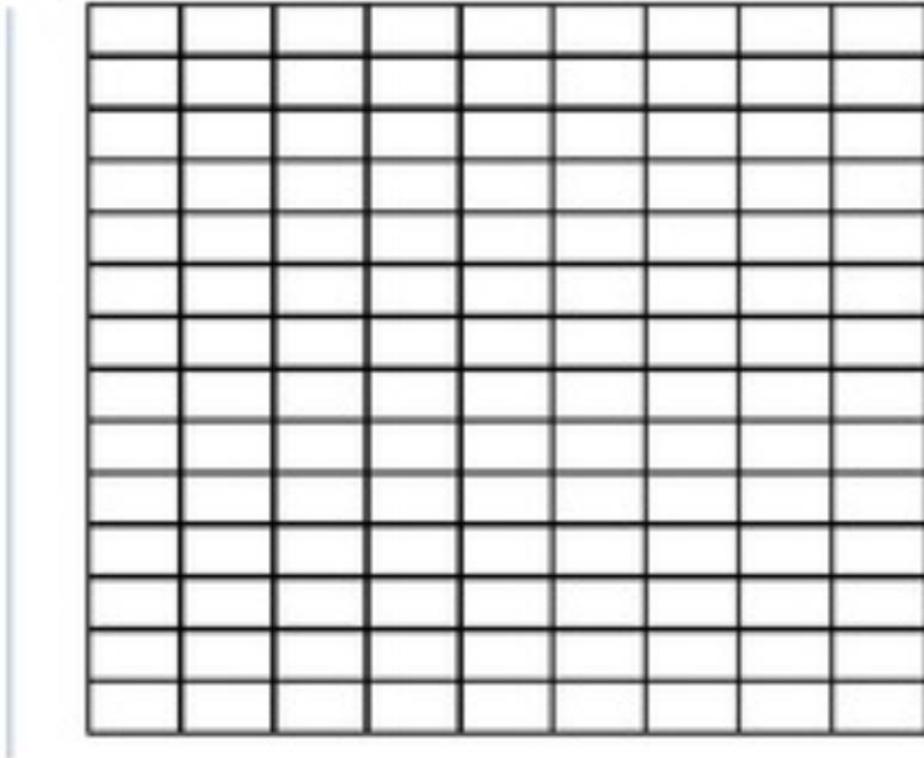
Test your Prototype - Collect your Data

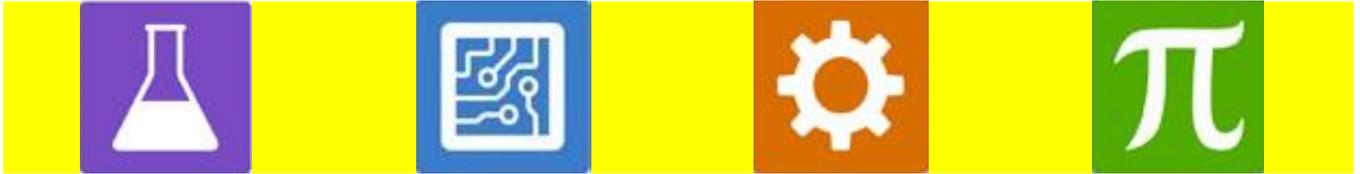
Apple-A-Head Design #1		
	Trial 1	Trial 2
Time (seconds the apple stay on the head tray)		
Distance (centimeters walked with the apple on the head tray)		

Apple-A-Head Design #2		
	Trial 1	Trial 2
Time (seconds the apple stay on the head tray)		
Distance (centimeters walked with the apple on the head tray)		



Graph





Group # _____

Section: _____

Student Name: _____

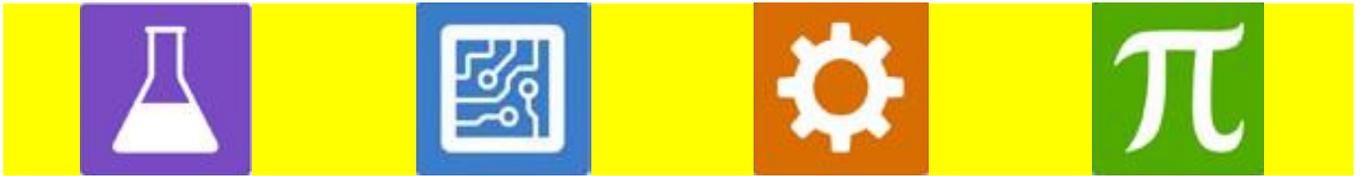
Partner's Name: _____

Improve the Prototype

(Re-design your Prototype. Create a labeled diagram of your improved prototype.)

Materials

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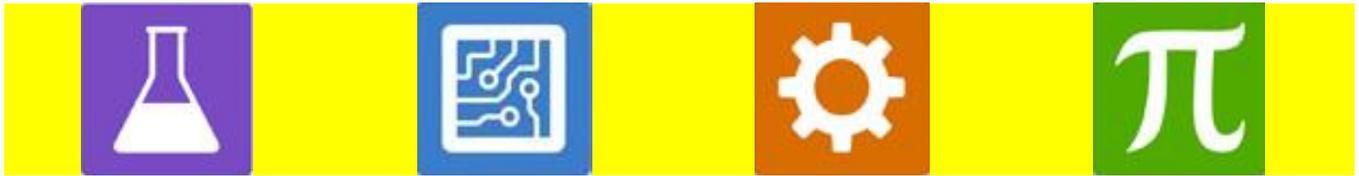
Group # _____	Section: _____
Student Name: _____	
Partner's Name: _____	

Reflection Questions

1. In what way did you improve your prototype?

2. Do you expect the improved prototype to pass the challenge? Why?

3. What did you learn? Discuss your success or lack of success and reasons for it.



Make a Keynote – Use *Keynote* to create a presentation following the instructions below.

Parameters:

- ⇒ At least five slides with colorful background
- ⇒ A title slide with the group number and team members
- ⇒ A slide transition.
- ⇒ Three pictures of their designs
- ⇒ 1 video of their testing
- ⇒ 1 recorded audio explaining if their prototype worked and why they think it did or didn't.