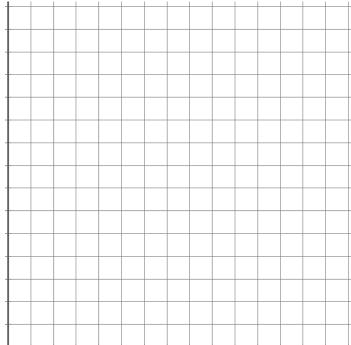
nsit Proposal e you begin the activity. e from another object is che at is used for comparison to object has moved.	
from another object is ch	
at is used for comparison	
·	to see if an object is in
object has moved.	
en to you, your team mus	t design a vehicle that will

etup your vehicle and observe on your design, did you notice a		vations below (How can you improv
. What were some of the obser	vations other groups made?	
fter making any changes to you	ur vehicle, test and record your da	ata below in the table for 3 trials.
Trial Number	Time (X-Axis)	Distance (Y-Axis)
<u>1</u> 2		
3		
/hat was your speed for trial 1(or trial 2 (Show your calculation	Show your calculations in the spa	ce provided)?
or trial 3 (Show your calculation	ns in the space provided)??	
Vhat caused your vehicle to mo	ve? How can you describe it?	
	·	



Draw a Free body diagram to represent the forces acting on your balloon when it was stationary .
Draw a free body diagram to represent the forces acting on your vehicle when it was moving .
Graph the data for the 3 trials recorded.



8. How could you make the zip-line more efficient? (How can you make the object travel farther or faster?)		
9. Besides measuring distance, what other factors of describe motion?	f motion can you measure that would help to	
10. Suppose you are riding in a car. Describe your modirection and the same speed.	otion relative to a car that is traveling in the same	
Draw a free body diagram for a hot wheels car being pushed with 10N of force:	Draw a free body diagram of <u>a student doing</u> <u>push-ups</u> :	
Draw a free body diagram of <u>a book resting on a desk:</u>	Draw a free body diagram of a balloon floating upward with a force of 30 N:	
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