

DIRECTIONS: Consider the learning scale for the unit we are studying. Where is your current level of understanding and comprehension? Consider the Learning Goals and circle the icon next to the Learning Scale that best represents your confidence level.

LEVEL	How Confident I Am of My Progress.		
4	Awesome! I understand more than Mr. Webber taught me and am ready to help others or take on my own individual projects.	SWBAT: Recognize these concepts in everyday examples; teach the concepts; encourage and coach others.	
 3	Yay! I know what Mr. Webber has asked me to learn!	SWBAT: Work problems regarding the motion of an object in terms of its position, velocity and acceleration (with respect to a frame of reference) as functions of time, including graphing and free-body analysis; construct and interpret a free-body diagram for multiple forces acting on an object; solve problem involving forces (Newton's Laws); solve problems using Newton's Universal law of Gravitation; solve problems using Kepler's Laws; graphical method of vector addition; triangle method of vector addition.	
2	Hmm... I understand the basics but am still working on understanding the harder stuff. I think I need some more practice.	SWBAT: Distinguish between vectors and scalars; understand the relationship among speed, velocity and acceleration in a quantitative way; list and understand Newton's Laws of Motion; understand Hooke's Law and Newton's Universal Law of Gravitation; recognize the center of mass for an object and whether it is stable or neutral; understand and distinguish between the four fundamental forces of nature; list and understand Kepler's Three Laws.	
1	Retrieval – With some help, I can do it.	SWBAT: Define: Inertial frame, scalar, vector, magnitude, resultant, motion, distance, displacement, speed (average and instantaneous), velocity, acceleration, position-time graph; velocity-time graph; slope and area of a curve; force, friction, orbit, moment, torque, center of mass (all three states), free body diagram; list the four forces of nature.	

By signing below, I acknowledge that I have reviewed the provided Goals and Scales for this unit, have attended any needed after-school tutoring sessions, and am ready to take the exam. This document must accompany your exam to receive credit.

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

I attended tutoring or Saturday recitation on the following dates:

\_\_\_\_\_

Date	Mr. Webber's Signature
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- 1.
- 2.
- 3.
- 4.
- 5.