

TAG - Physics Learning Targets

Use the table below to keep track of your learning of each of the sub-targets. Place a check mark in the appropriate column. If you do not place a check mark in the “M” column, you should determine what the necessary next step should be to “master” that target (re-read the book/class notes, see the teacher, go to the Point, etc.). ALL sub-targets should have an “X” in the “M” column PRIOR to you taking the quiz/test!

M - Indicates that you have “**m**astered” the learning target.

P - Indicates that you have “**p**artially **m**astered” the learning target, but need to PRACTICE to work toward complete mastery.

NY - Indicates “**n**ot **y**et.” You have not yet addressed the learning target.

You can use the notes section below to write down questions you have, or ideas to help you remember the concepts above.

General Topics: Physics, Force, Motion and Energy

M	P	NY	Learning Sub-Targets
			1. I can explain and mathematically calculate speed, velocity and acceleration. I can apply these concepts to in multi-step calculations that demonstrate thorough understanding. (I know the correct units for each of the previous equations) (6b)
			2. I can demonstrate how unbalanced forces change the speed or direction of an object. I understand motion and the effect of gravity (6a)
			3. I can explain the relationships and calculate how unbalanced forces affect speed, acceleration and velocity (direction). (6a)
			4. I can explain how a change in mass affects the amount of force of an object. (6b)
			5. Students can explain and apply Newton’s three laws of motion to everyday events. (6c)
			6. I can explain the difference between distance and displacement.
			7. I can interpret speed, acceleration and distance graphs. (6b)
			8. I can mathematically apply the Law of Conservation of Energy to the relationship between potential and kinetic energy.

Essential Questions:

How does mass affect acceleration and force?

Why do objects change direction or stay in motion?

Notes: