

PHYSICS JOURNAL

Upon entering class, take your physics journal out of the box

The following entries should appear in you journal:

1. Date
2. Warm-Up Assignment
3. Project Progress Report
4. Learning Summary:
 - a. Essential Question and Answer or
 - b. A summary of what you learned (or relearned) today in 1-3 sentences. Do not use symbols or formulas. Write everything out in words. Don't just state the topic of the lesson (i.e. *Today we learned about momentum*). Tell me what you learned about momentum (i.e. *The momentum of an object is equal to its mass times its velocity.*)

You may put several entries on each page.

After writing your summary, place your journal back in the box.

Do not take your journals home

Do not tamper with anyone else's journal

Acceptable Journal Example:

Wed, Aug 29

Warm-Up: Identify factors related to the motion of a car. Changing its speed, Acceleration, changing its direction, how fast it was going, if it starts or stops, if it run out of gas like on Seinfeld, if it hit a tree because the driver was drunk, if it has oversized tires, if it is aerodynamic, how windy it is, how long it travels, how far it travels, how long the brake is applied, how hard is the brake pressed, how long it is given "the gas", how much "gas" is given (to the engine, not in the car), if it is coasting, if it is going down or up a hill, is it going around an inclined turn like by the Camp Hill State Penitentiary, how much the car weighs, what engine is in the car, the type of tires used and if they have good tread on them, the conditions of the road (ice, rain, oil on the road, dirt road, gravel road, slick track, normal pavement)

Project Progress: We drew the shape of our boat to scale on paper to discuss the pros and cons of our boat design. We want to design the boat that will be balanced in the water, aerodynamic, accelerate quickly, and have a fast "top" speed.

Learning Summary/Essential Question: What is velocity? Velocity is defined by an objects speed and its direction. Not only can object change its velocity by changing its speed, it can also change its direction (i.e. turning left or right)