

## Second Reading Notes

Inquiry questions to clarify my understanding of the material:

1. What is a Force?
2. What force keep an object at rest. or keep it in motion?
3. What is the difference between kinetic friction and static friction?
4. How do Newton's laws apply to forces.

Summarize Reading (Actual time spent  $\frac{1}{2}$  Hrs.) wow! most people spend 30-45 min.

The most important points of the reading were: Learning how forces are applied in the particle model. Forces are combined to produce a NET FORCE, given by the vector sum of ALL the forces. The various forces that were introduced ( $\vec{F}$ ,  $\vec{F}_g$ ,  $\vec{F}_{sp}$ ,  $\vec{T}$ ,  $\vec{n}$ ,  $\vec{F}_o$ ,  $\vec{f}_k$ ,  $\vec{D}$ ,  $\vec{F}_{thrust}$ ). Being able to take a picture, and labeling all the forces that act on the object.

Actual time spent reading: \_\_\_\_\_

## Integrate Knowledge

physics

The relationship between this new information and my previous ~~computer~~ knowledge and experience is: Force is also a vector, because the direction and magnitude are important. In order to quantify a force, knowing vectors is very important.

## Assessment of Learning Performance

I suggest the following change(s) in my reading habits to improve my learning performance: An approach similar to this worksheet will be very helpful. Simply looking at tactics boxes and doing the homework did not go well for me on the first exam.

My reason for making this suggestion(s) is: I need a more conceptual understanding of Physics so that I have the basic tools to solve the complex problems.

The following two factors most affected (positively or negatively) the quality of my reading performance:

1. Re-reading the material.
2. Dissecting the reading to pick out the key learning objectives.

## Rereading Notes

Physics

Significant new understanding of major ~~computer technology~~ concepts: I enjoyed reading the "Atomic-model" for understanding the behavior of large objects. Thinking of atoms and bonds as basic "balls and springs" helped with understand the Normal Force and Tension Force.