Science 10

Tuesday, April 25/17

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1. Assignment - Rearranging Equations and Metric Conversions
2. Worksheet - Distance vs Time Graphs
3. Various Distance vs Time Graphs
4. Problem Solving Strategy - To Be Continued

5. Sample Problems
6. Worksheet - Speed, Distance and Time

Physics 112
Tuesday, April 25/17

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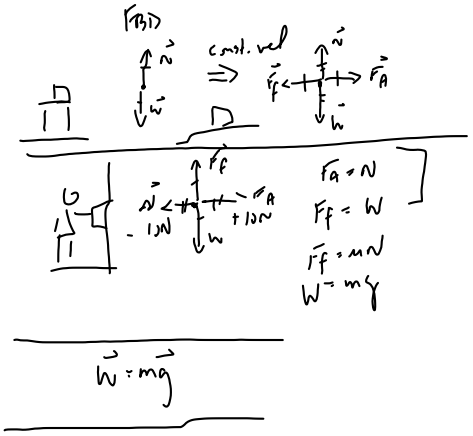
1. Worksheet: Impulse-Momentum Theorem
2. Worksheet: Extra Momentum, Impulse and Impulse-Momentum Theorem Problems
3. Worksheet - Multiple Choice
4. Lab - The Explosion -> Due: Thursday, April 27/17
5. SA - Newton's Laws -> Wednesday, April 26/17
6. SA U2S3 - Momentum, Impulse, Impulse-Momentum Theorem - Wednesday (next week)
7. Unit 3 - Work, Power and Energy

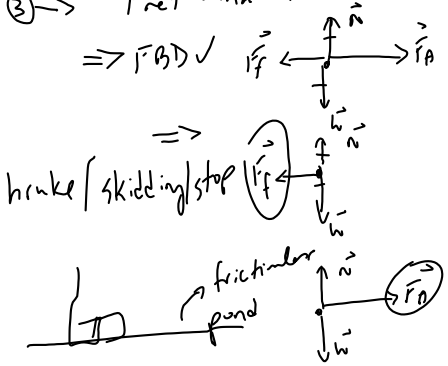
Topics → Newton's Laws.
→ inertia, ie/ definitions
→ 1st Law → Law of Inertia
→ Types of Problems.
① 1st Law → rest
→ constant vel.



2nd Law

② → $\vec{F}_{net} = m\vec{a}$ and kinematic equation.
↓
no individual
⇒ no FBD

③ → $\vec{F}_{net} = m\vec{a}$ and individual
⇒ FBD ✓
⇒
brake / skidding / stop



④ → $\vec{F}_{net} = m\vec{a}$, individual + K. eq.
#4 SA

Second Chance:

1. Show ↓ completed.

Worksheet - C4 PFU #26-28, 30-32, 34
Worksheet - C4 Extra Practice
Worksheet - Second Law Problems (2)
Worksheet - 1st and 2nd Combined (2)

} If missing sheets, see miss. j.

→ Deadline: Monday, April 24/17

2. Make Corrections to SA at noon or after school.
→ Deadline: Monday, April 24/17

3. Second version of SA: In-class. Wed., April 26/17

4. Mark the SA.

5. Record it.

6. Keep for ransom →
1st Mark
(2nd) Mark
} → Part of Mark. ?

Physics 122

Tuesday, April 25/17

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1. Worksheet: Kepler's Laws
2. Experiment 8.1 - Kepler's Laws (Page 49) - Due - Tues., April 25
3. Worksheet - Universal Law of Gravitation
4. Calculating "g"
5. Orbital Speed
6. The Period of an Orbiting Object
7. Worksheets

mass of an electron

9.11×10^{-31} kg

mass of a proton

1.67×10^{-27} kg.