Physics 112 Monday, November 9/15



- 1. Return Explain That Stuff #7 Tomorrow
- 2. Investigation- Atwood's Machine -> Due: Tuesday, Nov. 10/15
- 3. Worksheets C4 and C5 Problems/Atwood's Machine Problems
- 4. Assignment: Unit 2 S1 & S2 -> Thursday, Nov. 12/15
- 5. Unit 2 Section 3 -> Introduction to Momentum

Assignment Topics: U2 - S1 & S2

- 1. definitions -> dynamics, force, net force
- 2. types of forces -> contact and non-contact
 - -> examples
- 3. five specific forces -> W, F_A, N, T, F_f
- 4. coefficient of friction -> static and kinetic
- 5. FBDs -> draw and label
 - -> interpret
- 6. static equilibrium -> $\mathbf{F}_{net} = 0$, $\mathbf{a} = 0$
 - -> objects at rest
 - -> objects moving with constant velocity
 - -> C4 Problems
- 7. inertia and mass
- 8. Newton's First Law of Motion -> Law of Inertia ((4)
- 9. Newton's Second Law of Motion -> Law of Force, Mass and

Acceleration

- -> accelerating objects
- -> C5 Problems
- -> Atwood's Machine Problems
- 10. Newton's Third Law of Motion -> Law of Action and Reaction
 - -> action and reaction forces

Physics 122

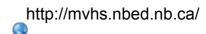
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Monday, November 9/15

- 1. Return Explain That Stuff #7
- 2. Experiment 9.1 Conservation of Momentum- Due: Tuesday
- 3. Worksheet Extra 2D Collisions/Explosions
- 4. Assignment: U1-S4 -> Tuesday, Nov. 10/15 [three problems]

Science 10

Friday, November 6/15



- 1. Progress Reports
- 2. Worksheet Finding the Slope from a Graph Place in Bin Today
- 3. Activity Speed of a Tumble Buggy Continue
- 4. Distance vs Time Graphs
- 5. Slope and Speed
- 6. HW Distance vs. Time Graphs for Cars: 1, 2, 3 and 21 Find the slope of each line.
- 7. Graph Matching