

Physics I – 2009 Fall Semester Syllabus **"REVISED"**

Class Webpage: <http://www.quia.com/pages/rnell/page1>

End of 1st Six Weeks

- 10 / 2-5 Ch 4 Problems and worksheets; Lab – Calculating the Coefficient of Friction
10 / 8-9 Review and *Quiz Ch 4*
10 / 13-14 Ch 4 Problems and worksheets; Lab – **Calculating the Coefficient of Friction**
10 / 14 **PSAT Testing 8:00 to 11:22.**

New Schedule:

- 10 / 15-16 **TEST Ch 4; Homework:** Download and print the Ch. 5 notes and bring to next class.
10 / 19-20 Discovery Lab – Work and Energy; Notes Ch 5 – Work and Energy;
10 / 21-22 Lab – Conservation of Energy; **Energy Conversions in Paper Cars – Construction Project Starts**
10 / 23-26 Lab – Human Power; Problem solving Ch 5
10 / 27-28 Review and *Quiz Ch. 5*
10 / 29-30 **TEST Ch 5, 10 & 11; Homework:** Download and print the Ch. 6 notes and bring to next class. **Paper Cars are due next class.**
11 / 2-3 Paper Cars performance testing. Notes Ch. 6 – Impulse-momentum theorem, and conservation of momentum
11 / 4-5 Notes Ch. 6 cont'd. Lab – Conservation of Momentum;
11 / 6-9 Practice and Problem solving for Ch 6
11 / 10-11 Review and *Quiz Ch 6*
11 / 12-13 **TEST Ch 6; Homework:** Download and print the Ch. 7-8 notes and bring to next class.

End 2nd Six Weeks

- 11 / 16-17 Discovery Lab – Circular Motion; Notes Ch 7 – Uniform circular motion, gravitation, and satellite motion;
11 / 18-19 Finish Ch. 7. Discovery Lab – Torque; Notes Ch 8 – Rotational Equilibrium and Torque; Assign Project:
Mobile Design & Construction
11 / 20-30 Notes Ch 8; Lab – Rotational Equilibrium and Torque; Worksheets and Problem solving Ch. 7-8

11 / 13-27

Thanksgiving Break

- 12 / 1-2 Practice & problem solving Ch. 7 & 8 – Mobile Project Due
12 / 3-4 Review and *Quiz Ch's 7-8*
12 / 7-8 **TEST Ch 7-8 Homework:** Download and print the Ch. 9 notes and bring to next class.
12 / 9-10 Notes Ch. 9 – Fluids; Problems, Practice & Demonstration
12 / 11-14 Lab- Archimedes' Principle; Problem solving Ch.9
12 / 15-16 Finish Notes Ch. 9; Lab – Bernoulli's Principle; Problem solving Ch 9
12 / 17-18 **Physics Olympics contests (Boat Building contest) in class.**

Winter Break

- 1 / 4-5 Review and *Quiz Ch 9*
1 / 6-7 **TEST Ch 9**
1 / 8-12 Review for finals
1 / 13-15 **Fall Semester Finals**