

Physics I – 2010 Spring Semester Syllabus

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

1 / 20-21	Ch 12 – SHM, Vibrations, and Waves; Notes and Lab – Hooke’s Law
1 / 22-25	Notes cont’d. Lab – Period of Pendulum.
1 / 26-27	Ch. 12 - Problem-solving, notes and demo lab- Wave Properties. HW-Worksheets
1 / 28 – 1 / 29	Review and Quiz Ch. 12
2/1-2	Test Ch. 12. (Download & copy Ch. 13 notes)
2 / 3-4	Notes and Demos: Ch. 13 – Sound. Mini-Lab – Sound & Medium
2 / 5-8	Continue Notes Ch. 13 and Problem solving. Lab-Resonance and Speed of Sound
2 / 9-10	Review – Quiz Ch. 13
2/11-12	Test Ch. 13. (Download & copy Ch. 14 notes)
2 / 16-17	Project Due– Musical Instruments
2 / 18-19	Ch 14 – Light and Reflection. Lab - Reflection of Light
2 / 22-23	Notes and demos. Lab – Concave and Convex Mirrors
2 / 24-25	Lab – Polarization. Ch. 14 Problems,

End of 4th Six Weeks

2 / 26 – 3 / 1	Notes and Demos - Color Mini-labs -- Color Mixing. TH Quiz Ch. 14
3 / 2-3	ELA TAKS Work on quiz in class
3/4-5	Test Ch. 14. (Download & copy Ch. 15 notes)
3 / 8-9	Ch 15 – Refraction of Waves and Light. Lab – Snell’s Law
3 / 10-11	Lab – Concave and Convex Lenses. Problem-Solving Ch. 15

Spring Break

3 / 12-22	Review Ch 15 and worksheets in class. TH Quiz – Ch 15;
3/23-24	Test Ch. 15. (Download & copy Ch. 17 notes)
3 / 25-26	Ch 17 – Electrostatics Notes and Problems. Demos in class
3 / 29-30	Notes & video on electrical forces and energy. Worksheets Ch. 17
3 / 31 – 4 / 1	Review and Quiz Ch. 17
4/2-5	Test Ch. 17. (Download & copy Ch. 19 notes)
4 / 6-7	Ch. 19: Current and Resistance – Notes and demos
4/8-13	Lab – Ohm’s Law. Problem-solving and Notes Ch. 19
4/14-15	Review and Quiz Ch. 19.

End 5th Six Weeks

4/16-19	Test Ch. 19. (Download & copy Ch. 20 notes)
4/20-21	Ch. 20 notes. Lab – Intro to Circuits. Problem solving with circuits.
4/22-23	Ch. 20 – Circuits video “ <u>TAKS Review</u> ”.
4/26-27	Lab – Resistors in Series
4/28-30	TAKS - Math, Science, Social Studies ; Lab – Resistors in Parallel. Ch. 20 problems.
4/30-5/3	Review and Quiz Ch. 20.

AP Exams 5/3-14

5/4-5	Test Ch. 20. (Download & copy Ch. 21-22 notes)
5/6-7	Notes Ch. 21-22 – Lab: Properties of Magnets
5/10-11	Ch. 21 cont’d. Lab – Magnetic field of a Solenoid
5/12-13	Ch. 22 – Electromagnetic Induction. Video on Magnetism and EM Induction (Ch. 21-22)
5/14-17	Ch 22: Lab – Electromagnetic Induction. Worksheets
5/18-19	Quiz and Review Ch 21-22
5/20-21	Test Ch. 21-22.
5/24-25	Physics Olympics
5/26-27	Project Due
5/28-6/1	Review for Finals
6/2-4	Finals