

Rio Americano High School Conceptual Physics

CP.08 Energy [Chapter 9] + Final Exam

[7/5/17]

1. F 11/17 – Cosmos: A Spacetime Odyssey

__Episode 8. *Sisters of the Sun*

6. F 12/1 – Conceptual Physics Alive

__CPA: *Energy*

2. M 11/27 – Work & Power

__Read §9.1 Work
__Answer q. 1, 2, 3, 4
__Read §9.2 Power
__Answer q. 5, 46

7. M 12/4 – Machines & Efficiency

__Read §9.8 Machines
__Answer q. 15, 16, 17, 18
__Read §9.9 Efficiency
__Answer q. 19, 20, 21, 33
__Hewitt Drew It 33. Machines and Energy

3. B1 11/28 – Mechanical Energy & Potential Energy & Kinetic Energy

__Read §9.3 Mechanical Energy
__Answer q. 6
__Read §9.4 Potential Energy
__Answer q. 7
__Read §9.5 Kinetic Energy
__Answer q. 8, 9, 28, 29
__Hewitt Drew It 29. Potential & Kinetic Energy

8. B1 12/5 – Energy for Life & Sources of Energy

__Read §9.10 Energy for Life
__Answer q. 22
__Read §9.11 Sources of Energy
__Answer q. 23, 24, 25

4. B2 11/29 – Sketches + Clips

__Demo: Sketchy Physics—Energy Edition
Honda Cog Ad, OK Go This Too Shall Pass
__Hewitt Drew It 30. Energy Theorem

9. B2 12/6 – Test Corrections

__Test Corrections CP.07 - Momentum
__Classwork Return
__PracTest CP.08 - Energy

5. r 11/30 – Work-Energy Theorem & Conservation of Energy

__Read §9.6 Work-Energy Theorem
__Answer q. 9, 10
__Read §9.7 Conservation of Energy
__Answer q. 11, 12, 13, 14, 30, 31, 32, 47
__Hewitt Drew It 31. Conservation of Energy

10. r 12/7 – Clickers + Mechanical Universe

__Clicker Quiz CP.08 – Energy
__Mechanical Universe: *Conservation of Energy*

11. F 12/8 – Test CP.08 – Energy

__Get Crossword CP.09 – Heat

Unit Test CP.08 will cover

Conceptual Physics Textbook: Chapter 9 – Energy****

Conceptual Physics Alive: *Energy***

Cosmos Episode 8: *Sisters of the Sun***

Demonstration/s + *Mechanical Universe: Conservation of Energy***

M 12/11 – Bill Nye: Time / Motion

W/B2 12/13 – Bill Nye: Balance / Friction

F 12/15 – Bill Nye: Energy [Work return]

T/B1 12/12 – The Physics of Car Crashes

r 12/14 – Bill Nye: Momentum

M 12/18 – Bill Nye: Pseudoscience

Final Exams Schedule [Estimated]

Tuesday 12/19 – 1, 3

Wednesday 12/20 – 2, 4

Thursday 12/21 – 5, 6