

Rio Americano High School Physics •

PHY.04 Energy

[Updated 11/4/16]

1. B1 10/25 – Cosmos: A Personal Voyage

__ Episode III. Harmony of the Worlds

__ Job: Uphill Climb Prelab

2. B2 10/26 – Equilibrium

__ Guide: Equilibrium

__ Experiment: Uphill Climb (begin)

__ Q&P Page/s < > Due: _____

3. r 10/27 – Work Lab

__ Experiment: An Uphill Climb (finish)

__ LabQuiz + Post-lab discussion

__ Q&P Page/s < > Due: _____

4. F 10/28 – Work

__ Springboard: Work

__ Guide: Work / Simple Machines

__ Examples: Energy

__ Q&P Page/s < > Due: _____

5. M 10/31 – Potential Energy

__ Springboard: Potential Energy

__ Guide: Potential Energy

__ Q&P Page/s < > Due: _____

6. B1 11/1 – Kinetic Energy

__ Springboard: Kinetic Energy

__ Guide: Kinetic Energy

__ Q&P Page/s < > Due: _____

7. B2 11/2 – Energy Transformations

__ Sketches: Pole Vault and the Dart

__ Sketches: Bungee Jump

__ Q&P Page/s < > Due: _____

8. r 11/3 – Conservation of Energy

__ LabQuiz

__ Springboard: Conservation of Energy

__ Guide: Conservation of Energy

__ Q&P Page/s < > Due: _____

9. F 11/4 -- Power

__ Springboard: Introduction to Power

__ YouTube: Power Balance Wrist Bandits

__ Q&P Page/s < > Due: _____

10. M 11/7 - Test Correction Journal Day

__ TCJ Quiz 2 and TC Journal 3

__ Q&P Page/s < > Due: _____

11. B1 11/8 – Energy Conservation

__ Conceptual Physics Alive: Energy

__ Homework Return

__ Q&P Page/s < > Due: _____

12. B2 11/9 -- Energy Demonstration

__ Demo: Fountain of Fizz

__ Job: Roller Coaster Physics

__ Mech Univ: Conservation of Energy

__ Q&P Page/s < > Due: _____

14. B1 11/14 - Unit Test PHY.04

Conceptual Physics Textbook: Chapter 9 (Energy), 11.7 (Equilibrium)

Hewitt Drew It! YouTube Screencasts: (See <http://phyz.org/hewittdrewit>) MECHANICS: Energy

Make up Unit Test PHY.03 as soon as possible; no later than F 11/4. All make-up tests and TCJ work for PHY.02 must be completed prior to the PHY.03 TCJ Day.