

# Rio Americano High School AP Physics 1

## AP1.06 Energy [11/28/16]

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### 1. B2 11/30 – Begin Energy Experiment

\_\_ Experiment: An Uphill Climb

### 2. r 12/1 – Finish Energy Experiment

\_\_ Quiz, Discussion

### 3. F 12/2 – Equilibrium and Work

\_\_ Guide: Equilibrium (Equilibrium entertainment?)

\_\_ Springboard: Work

\_\_ Guide: Work

\_\_ Q&P < \_\_\_\_\_ >

### 4. M 12/5 – Potential Energy and Kinetic Energy

\_\_ Springboard: Intro to Potential Energy

\_\_ Guide: Potential Energy

\_\_ Springboard: Kinetic Energy

\_\_ Guide: Kinetic Energy

\_\_ Q&P < \_\_\_\_\_ >

### 5. B1 12/6 – Begin Launcher Experiment

\_\_ Experiment: Catch the Pop-Up

\_\_ Q&P < \_\_\_\_\_ >

### 6. B2 12/7 – Continue Experiment

\_\_ Experiment: Catch the Pop-Up

\_\_ Q&P < \_\_\_\_\_ >

### 7. r 12/8 – Finish Experiment

\_\_ Experiment: Catch the Pop-Up

\_\_ Lab Quiz

\_\_ Q&P < \_\_\_\_\_ >

### 8. F 12/9 - Energy Transformations

\_\_ (MU: PE?)

\_\_ Sketches: Pole Vault, Dart

\_\_ Q&P < \_\_\_\_\_ >

### 9. M 12/12 - Power

\_\_ Springboard: Introduction to Power

\_\_ Q&P < \_\_\_\_\_ >

### 10. T 12/13 – Conservation of Energy

\_\_ Springboard: Conservation of Energy

\_\_ Guide + Example: Conservation of Energy

\_\_ Q&P < \_\_\_\_\_ >

### 11. W 12/14 – Nailed!

\_\_ Demo: Nailed?

\_\_ Demo: Nailed with Numbers

\_\_ Q&P < \_\_\_\_\_ >

### 12. r 12/15 – Mentos Geyser

\_\_ Demo: Physics in the Fountain of Fizz?

### 13. F 12/16 – TCM5 if possible

Wrap-up

\_\_ Test Correction Mastermind AP1.05

### 14. M 12/19 – Unit Test AP1.06

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*Essentials of College Physics* Textbook: Chapter 5

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

Make up Unit Test AP1.03 as soon as possible; no later than F 12/4. AP make up tests are administered after school only. Remember, notecards cannot be used on make-up tests.

### END-OF-SEMESTER SCHEDULE

**Tuesday 12/20** – To Be Announced

FIRST SEMESTER FINAL EXAMS (7:50-10:00am — 10:15am-12:25pm)

**Wednesday 12/21** – 1, 2 –+– **Thursday 12/22** – 3, 4 –+– **Friday 12/23** – 5, 6

\*\*\* Missed make-ups must be completed during Final Exam days \*\*\*