

Rio Americano High School AP Physics 1

AP1.06 Energy

[6/20/18]

1. r 11/29 – Equilibrium and Work

__Springboard: Equilibrium
__Read Guide: Equilibrium
__(Video: Equilibrium entertainment?)
__Springboard: Work
__Read Guide: Work
__Complete Q&P < >

2. F 11/30 – Begin Energy Experiment

__Experiment: An Uphill Climb

3. M 12/3 – Finish Energy Experiment

__Quiz, Discussion

4. B1 12/4 – Potential Energy and Kinetic Energy

__Springboard: Intro to Potential Energy
__Read Guide: Potential Energy
__Springboard: Kinetic Energy
__Read Guide: Kinetic Energy
__Complete Q&P < >

5. B2 12/5 - Energy Transformations

__(Mechanical Universe: *Potential Energy?*)
__Sketches: Pole Vault, Dart
__Complete Q&P < >

6. r 12/6 - Power

__Springboard: Introduction to Power
__Complete Q&P < >

7. F 12/7 – Begin Launcher Experiment

__Experiment: Catch the Pop-Up
__Complete Q&P < >

8. M 12/10 – Continue Experiment

__Experiment: Catch the Pop-Up
__Complete Q&P < >

9. B1 12/11 – Finish Experiment

__Experiment: Catch the Pop-Up
__Lab Quiz
__Complete Q&P < >

10. B2 12/12 – Conservation of Energy

__Springboard: Conservation of Energy
__Read Guide + Example: Conservation of Energy
__Complete Q&P < >

11. r 12/13 – Nailed!

__Demo: Nailed?
__Demo: Nailed with Numbers
__Complete Q&P < >

12. F 12/14 – Mentos Geyser

__Demo: Physics in the Fountain of Fizz?
__Complete Q&P < >

13. M 12/17 – TCM5 if possible

__Wrap-up
__TCM AP1.05: Circular Motion and Gravity

14. T 12/18 – Test AP1.06: Energy

Essentials of College Physics Textbook: Chapter 5

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

Make up Unit Test AP1.05 as soon as possible; no later than F 12/7. AP make up tests are administered after school only.

FIRST SEMESTER FINAL EXAMS

Wednesday 12/19 – 1, 2 –+– Thursday 12/20 – 3, 4 –+– Friday 12/21 – 5, 6

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