

Rio Americano High School AP Physics 2

AP2.06 Advanced DC Circuits [11/30/16]

1. r 12/1 - Digital Ohm's Law

__ Lab: Ohm, Ohm on the Digital Range

__ Q&P Page/s < ____ > APFR:

2. F 12/2 – Digital Joule's Law

__ Lab: Joule's Jewels

__ Q&P Page/s < ____ > APFR:

3. M 12/5 – LabQuiz + Resistance

__ LabQuiz: Ω Ω D-Range + Joule's Jewels

__ Springboard: Resistance is NOT Futile

__ Q&P Page/s < ____ > APFR:

4. B1 12/6 + Resistance Experiment

__ Experiment: There's No Place Like Ohm

__ Q&P Page/s < ____ > APFR:

5. B2 12/7 – Paul Hewitt

__ Conceptual Physics Alive: Electric Circuits

__ Guide*: Resistance

__ Q&P Page/s < ____ > APFR:

6. r 12/8 – Cosmos: A Spacetime Odyssey

__ Episode 5. Hiding in the Light

7. F 12/9 – Series Circuits 1

__ Experiment: Series Samesies

__ Q&P Page/s < ____ > APFR:

8. M 12/12 – Parallel Circuits 1

__ Experiment: Parallel Samesies

__ Q&P Page/s < ____ > APFR:

9. T 12/13 – Series Circuits 2

__ Experiment: Series Polyohmics

__ Q&P Page/s < ____ > APFR:

10. W 12/14 – Parallel Circuits 2

__ Experiment: Parallel Polyohmics

__ Q&P Page/s < ____ > APFR:

11. r 12/15 – Cosmos: A Spacetime Odyssey

__ Episode 6. Deeper Deeper Deeper Still

12. F 12/16 – Lab Quizzes & Series Lessons

__ Lab Quizzes: Samesies and Polyohmics

__ Springboard: Series Circuits

__ Guide*: Series Circuits

__ Examples: Series Circuits

__ Q&P Page/s < ____ > APFR:

13. M 12/19 – Parallel Lessons

__ Springboard: Parallel Circuits

__ Guide*: Parallel Circuits

__ Examples: Parallel Circuits

__ Q&P Page/s < ____ > APFR:

T 12/20 – Chill Day

__ Are You Ready for the Final?

F 12/23 – First Semester Final Exam

__ 250 points – 50 Multiple Choice Questions

15. T 1/10 – Cosmos: A Spacetime Odyssey

__ Episode 7. The Clean Room

16. W 1/11 – Compound Circuits and More

Springboard: Compound Circuits

Chain-link Challenge—Overcoming Resistance

Job: Equivalent Resistance Number Puzzles

17. r 1/12 – David Goodstein

Mechanical Universe—College: Electric Circuits

Q&P Page/s < ____ > APFR:

18. F 1/13 – Compound Quiz + Wrap-up

Lab Quiz: Compound Circuits

19. M 1/16 – Unit Test AP2.05

Essentials of College Physics Textbook: Chapters 17 (Resistance) and 18 (Circuits)

Hewitt Drew It Screencasts: ELECTRICITY & MAGNETISM: Electric Current

ExploratoRio is scheduled for Open House Day/Night: Wednesday, April 5. It's the biggest CTF opportunity of the year. Mark your calendar. More information will follow soon!