

Rio Americano High School AP Physics 2

AP2.05 Advanced Electrostatics [11/28/16]

1. M 10/31 – Cosmos: A Spacetime Odyssey

Episode 4. A Sky Full of Ghosts

2. B1 11/1 – Coulombic Interactions

MU: Static Electricity

Examples: Advanced Electricity

Job: Coulombic Love Triangles

3. B2 11/2 – Electric Fields

Guide*: Fields

Job: Fields Concepts

Job: Field Calculations

Job: Field Plots

Mechanical Universe: Electric Fields

Q&P Page/s < _____ > APFR:

4. r 11/3 – Electric Fields

SimLab: 'Lectronic Plates

Q&P Page/s < _____ > APFR

5. F 11/4 – Electric Potential Energy

Guide*: Electric Potential Energy

Job: Electric Potential Energy

Job: Graphing Potential Energy

Q&P Page/s < _____ > APFR:

6. M 11/7 – Electric Potential

Guide*: Electric Potential

Job: Electric Potential

Job: Graphing Potential

Mech Univ: Equipotentials and Fields

Q&P Page/s < _____ > APFR:

7. B1 11/8 – Millikan Oil Drop Experiment

Job: The Millikan Oil Drop Experiment

Mech Univ: Millikan Oil Drop Experiment

Q&P Page/s < _____ > APFR:

8. B2 11/9 – Capacitance

TechLab: Two-Plate Special

Q&P Page/s < _____ > APFR:

9. M 11/14 – Capacitor Circuits

TechLab: Capacitor Curves

Q&P Page/s < _____ > APFR:

10. T 11/15 – Capacitor Circuits

TechLab: Capacitor Graphs

TechLab: Power in the Plates

11. W 11/16 – Capacitor Circuits

TechLab: Capacitor Graphs

Q&P Page/s < _____ > APFR:

12. r 11/17 – Capacitor Circuits

TechLab: Power in the Plates

Q&P Page/s < _____ > APFR:

13. F 11/18 – Capacitance Catch-Up + Film

Mech Univ: Potential and Capacitance

14. M 11/29 – Capacitor Conclusions

Capacitor Labs Quiz

15. B1 11/29 - Test Correction Mastermind

16. B2 11/30 – Unit Test AP2.05

*Guides are no longer printed for distribution in class. Find them at phys.org or via Schoology.

Essentials of College Physics Textbook: Chapters 15 and 16

Hewitt Drew It Screencasts: ELECTRICITY & MAGNETISM: Electrostatics

Make up unit test 2.04 as **soon as possible**; no later than W 11/9. AP make up tests are administered after school only.