

Rio Americano High School AP Physics 2

AP2.04 Advanced Electrostatics [11/1/15]

1. M 11/2 – Cosmos: A Spacetime Odyssey

Episode 4. A Sky Full of Ghosts

2. B1 11/3 – Coulombic Interactions

MU: Static Electricity

Examples: Advanced Electricity

Job: Coulombic Love Triangles

3. B2 11/4 – Electric Fields

Guide*: Fields

Job: Fields Concepts

Job: Field Calculations

Job: Field Plots

Mechanical Universe: Electric Fields

Q&P Page/s < _____ > APFR:

4. r 11/5 – Electric Fields

SimLab: 'Lectronic Plates

Q&P Page/s < _____ > APFR

5. F 11/6 – Electric Potential Energy

Guide*: Electric Potential Energy

Job: Electric Potential Energy

Job: Graphing Potential Energy

Q&P Page/s < _____ > APFR:

6. M 11/9 – Electric Potential

Guide*: Electric Potential

Job: Electric Potential

Job: Graphing Potential

Mech Univ: Equipotentials and Fields

Q&P Page/s < _____ > APFR:

7. T 11/10 – Millikan Oil Drop Experiment

Job: The Millikan Oil Drop Experiment

Mech Univ: Millikan Oil Drop Experiment

Q&P Page/s < _____ > APFR:

8. r 11/12 – Capacitance

TechLab: Two-Plate Special

Mech Univ: Potential and Capacitance

Q&P Page/s < _____ > APFR:

9. F 11/13 – Capacitor Circuits

TechLab: Capacitor Curves

Q&P Page/s < _____ > APFR:

10. M 11/16 – Capacitor Circuits

TechLab: Capacitor Graphs

TechLab: Power in the Plates

11. B1 11/17 – Capacitor Circuits

TechLab: Capacitor Variations

Q&P Page/s < _____ > APFR:

12. B2 11/18 – Capacitor Circuits

TechLab: Capacitor Variations

Q&P Page/s < _____ > APFR:

13. r 11/19 – Wrap-Up

Capacitor Labs Quiz

Test Correction Mastermind?

14. F 11/20 – Unit Test AP2.04

*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 2.03b as **soon as possible**; no later than M 11/9. AP make up tests are administered after school only.