

Rio Americano High School AP Physics 1

AP1.09 Brief Intro to Electrostatics [2/17/17]

1. r 3/31 – Electrostatics Lab

__ Lab: Charge It I
__ Read Guide: Electrostatic Charge
__ Read Guide: Getting a Charge
__ Complete Job: Be Franklin for a Day
__ Complete Q&P < >

2. F 4/1 - Electrostatics Lab

__ LabQuiz+Preso
__ Lab: Charge It II
__ Complete Job: Balanced Charges 1
__ Complete Q&P < >

3. M 4/4 – Finish Electrostatics Lab

Lab: Charge It II
LabQuiz+Preso
Job: Balanced Charges 2
__ Complete Q&P < >

4. T 4/5 – Coulomb’s Law

__ Springboard: Coulomb’s Law
__ Mechanical Universe: *Static Electricity*
__ Read Guide: Coulomb’s Law
__ Complete Q&P < >

5. W 4/6 – Hewitt on Electrostatics

__ Conceptual Physics Alive: *Electrostatics*
__ Complete Q&P < >

6. r 4/7 – Van de Graaff Generator

__ Demonstration: Charging Ahead
__ Complete Q&P < >

7. F 4/8 – Test AP1.11: Intro Electrostatics

Flipped (Test may include material from):
John Travoltage in “Greased Lightning”

Essentials of College Physics Textbook: Chapter 15

Hewitt Drew It! Screencasts: ELECTRICITY AND MAGNETISM: Electrostatics

John Travoltage in “Greased Lightning” is a PhET-based sim available online. Google John Travoltage Greased Lightning. URL: <https://phet.colorado.edu/en/contributions/view/3209>

Mechanical Universe: Static Electricity is a College Edition video question set available online Start at <http://phz.org/mechanicaluniverse> to find a link to the video streams and PDF of the question set.

Make up Unit Test AP1.08 as soon as possible; no later than T 4/5. AP make up tests are administered after school only. Remember, notecards cannot be used on make-up tests.