

Rio Americano High School Physics

PHY.06 Electrostatics

[Revised 1/12/17]

1. T 1/10 – Cosmos: A Personal Voyage

__ Episode VI: *Travellers' Tales*

__ Prelab: Charge It

2. W 1/11 – Electrostatics Lab

__ Lab: Charge It I

3. r 1/12 - Electrostatics Lab

__ Lab: Charge It I > Charge It II

4. F 1/13 - Electrostatics Lab

__ Lab: Charge It II

__ Q&P Page/s < > Due: _____

5. T 1/17 – Post Lab / Charge / Polarization

__ Guide: Electrostatic Charge

__ Guide: Getting a Charge

__ Job: Be Franklin for a Day

__ Job: Balanced Charges 1

__ Q&P Page/s < > Due: _____

6. W 1/18 – Lightning

__ Raging Planet: Lightning!

__ Q&P Page/s < > Due: _____

7. r 1/19 – Coulomb's Law

__ Guide: Coulomb's Law

__ Springboard: Coulomb's Law

__ Q&P Page/s < > Due: _____

8. F 1/20 – PhET Electrostatics Sim

__ John Travoltage in "Greased Lightning"

__ Q&P Page/s < > Due: _____

9. M 1/23 – Van de Graaff Generator

__ Demonstration: Charging Ahead

__ Job: Balanced Charges 2

__ Q&P Page/s < > Due: _____

10. T 1/24 – The Electric Field

__ Springboard: Fields

__ Guide: Electric Fields

__ Job: Field Plots

__ Q&P Page/s < > Due: _____

12. W 1/25 – Electric Field Hockey

__ Competition: Electric Field Hockey

11. r 1/26 – Hewitt on Electrostatics

__ Conceptual Physics Alive: Electrostatics

__ Homework Return

13. F 1/27 – Unit Test PHY.06

Guides are available at phys.org and via Schoology

Conceptual Physics Textbook: Chapter 32 (Electrostatics and Coulomb's Law), 33 (Fields)

Hewitt Drew It! YouTube: (See <http://phys.org/hewittdrewit>) ELECTRICITY AND MAGNETISM: Electrostatics.

Notes:

New semester: Fresh start!

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!