

Rio Americano High School Physics

PHY.07 Current and Circuits

[1/26/18]

1. M 1/29 – Cosmos: A Personal Voyage

__ Episode VII: *The Backbone of Night*
__ PhysJob: AMT2—Meter Readers

2. T 1/30 - Current and Voltage

__ Discuss Meter Reading
__ Springboard: Current and Voltage
__ Read Guide: Batteries and Current
__ Complete Q&P < _____ > Due _____

3. W 1/31 – Electrochemical Cells

__ Lab Springboard: Electric Lemons
__ Complete Q&P < _____ > Due _____

4. r 2/1 – Current Resistance Voltage

__ Lab: Ohm, Ohm on the Range
__ Examples: Current and Circuits
__ Complete Q&P < _____ > Due _____

5. F 2/2 – Current Resistance Voltage

__ Finish Ohm, Ohm on the Range
__ LabQuiz + Preso
__ Complete Q&P < _____ > Due _____

6. M 2/5 – The Circuit/Slide Analogy 1

__ Complete Job: The Slider Circuit
__ Read Guide: The Circuit Slide

7. B1 2/6 – The Circuit/Slide Analogy 2

__ Complete Job: Bun-Burning and Power
__ Complete Job: Moron Slides
__ Complete Q&P < _____ > Due:

8. B2 2/7 – The Electric Circuit

__ Lab: Batteries and Bulbs
__ Complete Q&P < _____ > Due _____

9. r 2/8 – Faulty Circuits

__ Lab: Batteries and Bulbs
__ Complete Q&P < _____ > Due _____

10. F 2/9 – Powering a Circuit

__ LabQuiz + Preso
__ Lab: Open and Short Case
__ Complete Q&P < _____ > Due _____

11. M 2/12 – Wrap Up the Circuit Labs

__ LabQuiz + Preso
__ Lab: Be the Battery
__ LabQuiz + Preso
__ Complete Q&P < _____ > Due _____

12. B1 2/13 – Electric Fence Video Demo

__ YouTube Physics: Brainiacs Electric Fence
__ PhysJob: Circuit Wrap-Up
__ Complete Q&P < _____ > Due _____

13. B2 2/14 – PBS: Nova

__ Search for the Super Battery

14. r 2/15 - Test Correction Journal Day

__ Test Correction Journal 6
__ Homework return
__ PracTest (Online)

15. F 2/16 – Unit Test PHY.07: Circuits

PhysGuides are available at phyz.org.

Conceptual Physics Textbook: Chapters 34 (Current) and 35 (Circuits)

Hewitt Drew It! YouTube: (See <http://phyz.org/hewittdrewit>) ELECTRICITY AND MAGNETISM: Electric Circuits.

Make up Unit Test PHY.06 as soon as possible, but no later than F 2/2. See availability schedule on board.

ExploratoRio is scheduled for Open House Day/Night: Wednesday, April 4. **BIG CTF Opportunity!**