

Rio Americano High School Physics

PHY.07 Current and Circuits

[rev. 1/30/17]

1. M 1/30 – Cosmos: A Personal Voyage

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

2. T 1/31 - Current and Voltage

__ Discuss Meter Reading
__ Springboard: Current and Voltage
__ PhysGuide: Batteries and Current
__ Q&P <____> Due:

3. W 2/1 – Electrochemical Cells

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

4. r 2/2 – Current Resistance Voltage

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

5. F 2/3 – Current Resistance Voltage

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

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

__ PhysJob: The Slider Circuit
__ PhysGuide*: The Circuit Slide

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

__ PhysJob: Bun-Burning and Power
__ PhysJob: Moron Slides
__ Q&P <____> Due:

8. B2 2/8 – The Electric Circuit

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

9. r 2/9 – Faulty Circuits

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

10. F 2/10 – Powering a Circuit

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

11. M 2/13 – Wrap Up the Circuit Labs

__ LabQuiz + Preso
__ Lab: Be the Battery
__ LabQuiz + Preso

12. B1 2/14 – Electric Fence Video Demo

__ YouTube Physics: Brainiacs Electric Fence
__ PhysJob: Circuit Wrap-Up
__ Mech Univ: Simple DC Circuits (ITA)
__ Q&P <____> Due:

13. B2 2/15 - Test Correction Journal Day

__ Test Correction Journal 6
__ Homework return

14. r 2/16 – Unit Test PHY.07

PhysGuides are available at phys.org and Schoology.

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

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

Make up Unit Test PHY.06 as soon as possible, but no later than F 2/3. See availability schedule on board.

ExploratoRio is scheduled for Open House Day/Night: Wednesday, April 5. **BIG CTF Opportunity!**