

# Rio Americano High School Conceptual Physics

## CP.13 Electromagnetism [Chapters 36 & 37] [1/26/18]

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### 1. M 4/2 – Magnetic Poles & Magnetic Fields

\_\_Read §36.1 Magnetic Poles

\_\_Answer q. 1, 2

\_\_Read §36.2 Magnetic Fields

\_\_Answer q. 3, 31, 32

### 2. T 4/3 – The Nature of the Magnetic Field & Magnetic Domains

\_\_Read §36.3 The Nature of the Magnetic Field

\_\_Answer q. 4, 5

\_\_Read §36.4 Magnetic Domains

\_\_Answer q. 6, 7, 8, 9, 23

## EXPLORATORIO

### 3. r 4/5 – PBS: Nova

\_\_*Magnetic Storm*

### 4. F 4/6 – Electric Currents and Magnetic Fields

\_\_Read §36.5 Electric Currents and Magnetic Fields

\_\_Answer q. 10, 11, 25, 26, 27, 28

\_\_Hewitt Drew It 101. Magnetism

### 5. M 4/9 – Magnetic Forces on Moving Charged Particles & Magnetic Forces on Current-Carrying Wires

\_\_Read §36.6 Magnetic Forces on Moving Charged Particles

\_\_Answer q. 12, 13, 14, 24

\_\_Read §36.7 Magnetic Forces on Current-Carrying Wires

\_\_Answer q. 15

### 6. T 4/10 – Conceptual Physics Alive

\_\_CPA: *Magnetism*

### 7. W 4/11 – Electromagnetic Induction

\_\_Read §37.1 Electromagnetic Induction

\_\_Answer q. 1, 2, 3, 4

\_\_Demos: Fields-magnets, wires, induction

\_\_Hewitt Drew It 102. Electromagnetic Induction

### 8. r 4/12 – Clickers

\_\_Clicker Quiz CP.13 - Electromagnetism

\_\_Magnet Boys

### 9. F 4/13 – Test Corrections

\_\_Test Corrections CP.12 - Circuits

\_\_Classwork Return

\_\_PracTest CP.13 – Electromagnetism

### 10. M 4/16 – Cosmos: A Spacetime Odyssey

\_\_Episode 10. *The Electric Boy*

### 11. T 4/17 – Unit Test CP.13 – E-Magnetism

\_\_Get Crossword CP.14 - Waves

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### Unit Test CP.13 will cover

*Conceptual Physics* Textbook: Chapter 36 (§1-7) & 37 (§1) – Magnetism & Electromagnetic Induction\*\*\*\*

Conceptual Physics Alive: *Electromagnetism*\*\*

PBS: Nova: *Magnetic Storm*\*\*

Demos/Activities + Cosmos Episode 10: *The Electric Boy*\*\*