

# Rio Americano High School Conceptual Physics

## CP.06 Universal Gravitation [Chapter 13] [7/23/17]

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### 1. B2 10/18 – Cosmos: A Spacetime Odyssey

\_\_Episode 6. *Deeper, Deeper, Deeper Still*

### 2. r 10/19 – Falling Apple & Moon & Earth

\_\_Read §13.1 Falling Apple

\_\_Answer q. 1

\_\_Read §13.2 Falling Moon

\_\_Answer q. 2

\_\_Read §13.3 Falling Earth

\_\_Answer q. 3

### 3. F 10/20 – Newton’s Law of Gravity & Inverse Square Law + Mechanical Universe

\_\_Read §13.4 Newton’s Law of Gravity

\_\_Answer q. 4, 5, 6

\_\_Read §13.5 Inverse Square Law

\_\_Answer q. 7, 8, 9, 10, 11

\_\_MU: *The Apple and the Moon*

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### 4. M 10/23 – Gravitational Field & Gravitation Inside Earth

\_\_Read §13.6 Gravitational Field

\_\_Answer q. 12, 28, 29, 30, 31, 32

\_\_Read §13.7 Gravitation Inside Earth

\_\_Answer q. 13, 14

### 5. B1 10/24 – Conceptual Physics Alive

\_\_CPA: *Gravitation I*

### 6. B2 10/25 – Weightlessness & Tides

\_\_Read §13.8 Weightlessness

\_\_Answer q. 15, 33, 34, 35, 36, 37

\_\_Read §13.9 Tides

\_\_Answer q. 16, 17

### 7. r 10/26 – Black Holes & Universal Gravitation

\_\_Read §13.10 Black Holes

\_\_Answer q. 18, 19, 38, 39, 40, 41

\_\_Read §13.11 Universal Gravitation

\_\_Answer q. 20, 21

### 8. F 10/27 – Conceptual Physics Alive

\_\_CPA: *Gravitation II*

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### 9. M 10/30 – Clickers

\_\_Clicker Quiz CP.06 - Gravitation

\_\_Answer q. 42, 43, 44, 45, 46, 47, 48

\_\_PracTest CP.06 - Gravitation

### 10. B1 10/30 – Test Corrections CP.05

\_\_Test Corrections CP.05 – Newton’s 3<sup>rd</sup> Law

\_\_Classwork Return

### 11. B2 11/1 – Test CP.06 – Gravitation

\_\_Get Crossword CP.07 – Momentum

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### Unit Test CP.06 will cover

*Conceptual Physics* Textbook: Chapter 13 – Universal Gravitation\*\*\*\*

Conceptual Physics Alive: *Gravitation I, Gravitation II*\*\*

Cosmos Episode 6: *Deeper, Deeper, Deeper Still*\*\*

Activities + Mechanical Universe: *The Apple and The Moon*\*\*