

Rio Americano High School Conceptual Physics

CP.06 Universal Gravitation [Chapter 13] [10/16/17]

1. r 10/19 – Cosmos: A Spacetime Odyssey

__ Episode 6. *Deeper, Deeper, Deeper Still*

2. F 10/20 – Falling Apple & Moon & Earth + Mechanical Universe

__ Read §13.1 Falling Apple

__ Answer q. 1

__ Read §13.2 Falling Moon

__ Answer q. 2

__ Read §13.3 Falling Earth

__ Answer q. 3

__ Mechanical Universe: *Kepler's Laws*

3. M 10/23 – 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

__ Mechanical Universe: *Apple and the Moon*

4. B1 10/25 – 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. B2 10/25 – Conceptual Physics Alive

__ CPA: *Gravitation I*

6. r 10/26 – Weightlessness & Tides

__ Read §13.8 Weightlessness

__ Answer q. 15, 33, 34, 35, 36, 37

__ Read §13.9 Tides

__ Answer q. 16, 17

7. F 10/27 – 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

__ Activity: Chicago's Most Haunted!

8. M 10/30 – Conceptual Physics Alive

__ CPA: *Gravitation II*

9. B1 11/1 – Clickers

__ Clicker Quiz CP.06 - Gravitation

__ Answer q. 42, 43, 44, 45, 46, 47, 48

10. B2 11/1 – Test Corrections CP.05

__ Test Corrections CP.05 – Newton's 3rd Law

__ Classwork Return

__ PracTest CP.06 - Gravitation

11. r 11/2 – Test CP.06 – Gravitation

__ Get Crossword CP.07 – Momentum

Unit Test CP.06 will cover

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

Conceptual Physics Alive: *Gravitation I* + *Gravitation II***

Activities + Mechanical Universe: *Kepler's Laws* + *The Apple and The Moon***

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