

Rio Americano High School Conceptual Physics

CP.03 Linear Motion [Chapter 4]

[6/8/18]

1. W 9/12 – Cosmos: A Spacetime Odyssey

__ Episode 3. *When Knowledge Conquered Fear*

2. r 9/13 – Motion is Relative & Speed & Velocity

__ Read §4.1 Motion is Relative

__ Answer q. 1, 2

__ Read §4.2 Speed

__ Answer q. 3, 4

__ Read §4.3 Velocity

__ Answer q. 5, 6, 20, 44

__ Clip: Ball Launcher on Truck (Vector Add.)

3. F 9/14 – Acceleration & Free Fall: How Fast, and Free Fall: How Far

__ Read §4.4 Acceleration

__ Answer q. 7, 8, 9

__ Read §4.5 Free Fall: How Fast

__ Answer q. 10, 11, 12

__ Read §4.6 Free Fall: How Far

__ Answer q. 13, 14, 15

4. M 9/17 – Motion Graphs

__ Read §4.7 Graphs of Motion

__ Answer q. 16, 17, 21, 23, 25

__ Hewitt Drew It 8. Linear Motion Definitions

5. B1 9/18 – Conceptual Physics Alive

__ CPA: *Linear Motion*

6. B2 9/19 – Air Resistance and Falling Objects & How Fast, How Far, and How Quickly How Fast Changes

__ Read §4.8 Air Resistance and Falling Objects

__ Answer q. 18

__ Read §4.9 How Fast, How Far, How Quickly Fast Changes

__ Answer q. 19, 42, 43, 48, 49, 50

__ MU: *The Law of Falling Bodies*

7. r 9/20 – Clickers

__ Clicker Quiz CP.03 – Linear Motion

8. F 9/21 – Mechanical Universe + Test Corrections

__ Test Corrections CP.02 – Newton's First Law

__ Classwork Return

9. M 9/24 – Test CP.03 – Linear Motion

__ Get Crossword CP.04 – Newton's 2nd Law

Schedule permitting: Bill Nye—*Motion*

Unit Test CP.03 will cover

Conceptual Physics Textbook: Chapter 4 – Linear Motion****

*Conceptual Physics Alive: Linear Motion***

Cosmos Episode 3: *When Knowledge Conquered Fear***

Demonstrations/Activities + *Mechanical Universe: The Law of Falling Bodies***

If you missed Unit Test CP.02 – Newton's First Law, make it up as soon as possible; no later than F 9/15