

Rio Americano High School Conceptual Physics

CP.04 Newton's Second Law [Chapter 6] [9/25/18]

1. B1 9/25 – Cosmos: A Spacetime Odyssey

__ Episode 4. *A Sky Full of Ghosts*

2. B2 9/26 – Force Causes Acceleration & Mass Resists Acceleration

__ Read §6.1 Force Causes Acceleration

__ Answer q. 1, 2, 22

__ Read §6.2 Mass Resists Acceleration

__ Answer q. 3, 4

3. r 9/27 – Newton's Second Law + PhET

__ Read §6.3 Newton's Second Law

__ Answer q. 5, 6, 23, 32, 38, 39

__ PhET: Pushing Things Around?

4. F 9/28 – Conceptual Physics Alive

__ CPA: *Newton's Second Law*

5. M 10/1 – Friction & Applying Force—Pressure

__ Read §6.4 Friction

__ Answer q. 7, 8, 9, 31, 37

__ Read §6.5 Applying Force—Pressure

__ Answer q. 10, 11, 12, 24, 43

6. B1 10/2 – Demonstrations

__ Demo: Putting the Force Before the Cart

__ Demo: The Newtonian Shot

7. B2 10/3 – Free Fall Explained & Falling and Air Resistance

__ Read §6.6 Free Fall Explained

__ Answer q. 13, 14, 15, 36, 46

__ Read §6.7 Falling and Air Resistance

__ Answer q. 16, 17, 18, 20, 47, 51

8. r 10/4 – Test Corrections

__ Test Corrections CP.03 – Linear Motion

__ Classwork Return

__ PracTest CP.04 – Newton's Second Law

9. T 10/9 – Clickers

__ Clicker Quiz CP.04 – Newton's Second Law

w 10/10 – Top Gear: Rolling in a Reliant Robin

10. r 10/11 – Test CP.04 – Newton's 2nd Law

__ Get Crossword CP.05 – Newton's 3rd Law

Schedule permitting: Bill Nye—*Friction*

Unit Test CP.04 will cover

Conceptual Physics Textbook: Chapter 6 – Newton's Second Law****

Conceptual Physics Alive: *Newton's Second Law***

Cosmos Episode 4: *A Sky Full of Ghosts***

Demonstration/s and Activities**

If you missed Unit Test CP.03 – Linear Motion, make it up as soon as possible; no later than M 10/1