

# Rio Americano High School Conceptual Physics

## CP.04 Newton's Second Law [Chapter 6] [7/23/17]

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### 1. B2 9/20 – 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

### 2. r 9/21 – Cosmos: A Spacetime Odyssey

- \_\_ Episode 4. *A Sky Full of Ghosts*

### 3. F 9/22 – Newton's Second Law + PhET

- \_\_ Read §6.3 Newton's Second Law
- \_\_ Answer q. 5, 6, 23, 32, 38, 39
- \_\_ PhET: Pushing Things Around?

### 6. B2 9/27 – Demonstrations

- \_\_ Demo: Putting the Horse Before the Cart
- \_\_ Demo: The Newtonian Shot

### 7. r 9/28 – 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. F 9/29 – Clickers

- \_\_ Clicker Quiz CP.04 – Newton's Second Law
- \_\_ The Sure Bet

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### 4. M 9/25 – Conceptual Physics Alive

- \_\_ CPA: *Newton's Second Law*

### 5. B1 9/26 – 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

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### 9. M 10/2 – Test Corrections

- \_\_ Test Corrections CP.03 – Linear Motion
- \_\_ Classwork Return
- \_\_ PracTest CP.04 – Newton's Second Law

### 10. B1 10/3 – Test CP.04 – Newton's 2<sup>nd</sup> Law

- \_\_ Get Crossword CP.05 – Newton's 3<sup>rd</sup> Law

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### 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\*\*