

# Rio Americano High School Conceptual Physics

## CP.02 Newton's First Law [Chapter 3] [8/16/17]

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### 1. F 8/25 – Aristotle on Motion & Copernicus and the Moving Earth & Galileo on Motion + Demo

- \_\_ Read §3.1 Aristotle on Motion
  - \_\_ Answer p. 41 q. 1, 2
  - \_\_ Read §3.2 Copernicus and the Moving Earth
  - \_\_ Answer p. 41 q. 3
  - \_\_ Read §3.3 Galileo on Motion
  - \_\_ Answer p. 41 q. 4, 5, 6, 7, 8
  - \_\_ Demonstration: Clever Dumbbell
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### 2. M 8/28 – Newton's First Law + Demo

- \_\_ Read §3.4 Newton's Law of Inertia
- \_\_ Answer p. 41 q. 9, 10, 11
- \_\_ Read §3.5 Mass—A Measure of Inertia
- \_\_ Answer p. 41 q. 12, 13, 14, 15, 16, 17, 18
- \_\_ Demonstration: Cannonball

### 3. T 8/29 – Moving Earth Again + CPA

- \_\_ Read §3.6 The Moving Earth Again
- \_\_ Answer p. 41 q. 19, 20
- \_\_ Conceptual Physics Alive: *Newton's First Law*

### 5. W 8/30 – Think & Explain Carousel + Clips

- \_\_ Answer and share Think & Explains
- Group A. 28, 37, 46 (Group J)
- Group B. 29, 38, 47 (Group K)
- Group C. 30, 39, 48
- Group D. 31, 40, 49
- Group E. 32, 41, 50
- Group F. 33, 42, 51 (Group L)
- Group G. 34, 43, 52 (Group M)
- Group H. 35, 44, 53 (Group N)
- Group X. 36, 45, 54 (Group O)
- \_\_ Video Clip: Shopping Cart Truck Fail
- \_\_ Video Clip: Bamboo Truck Delivery Win
- \_\_ Video Clip: Car Bowling Fail
- \_\_ Video Clip: Cactus Mine

### 6. r 8/31 – Clickers + Mechanical Universe

- \_\_ Clicker Quiz CP.02 – Newton's First Law
- \_\_ MU: *Inertia*

### 7. F 9/1 – Test Corrections

- \_\_ Journal: One entry per missed test item
  - \_\_ Quiz: Earn back up to 50% of missed test pts.
  - \_\_ Classwork return
  - \_\_ PracTest CP.02 – Newton's First Law
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### 8. T 9/5 – Test CP.02 – Newton's First Law

- \_\_ Get Crossword CP.03 – Linear Motion
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### Unit Test CP.02 will cover

*Conceptual Physics* Textbook: Chapter 3 – Newton's First Law of Motion—Inertia\*\*\*\*\*

Conceptual Physics Alive: *Newton's First Law*\*\*

Demonstrations + Mechanical Universe: *Inertia*\*\*\*