

Rio Americano High School Physics

PHY.02 Newton's Laws

[9/4/18]

1. T 9/11 – Inertia Lab Springboard

__ Lab Springboard: Inertia in Action
__ Complete Q&P < > Due _____

2. w 9/12 – Inertia Demos

__ Demo: The Clever Dumbbell
__ Demo: Cannonball
__ Complete Q&P < > Due _____

3. r 9/13 – Earth Wind & Fire

__ Springboard: Newton's First Law
__ Read Guide*: Newton's First Law
__ Complete Q&P < > Due _____

4. F 9/14 – Cosmos: A Personal Voyage

__ Episode I: *On the Shores of the Cosmic Sea*

5. M 9/17 – Inertia Films

__ Mechanical Universe: *Inertia*
__ YouTube: Inertia—Friend Foe Fact Fiction
__ Complete Q&P < > Due _____

6. B1 9/18 – Prelab Sim

__ PhET Lab: Pushing Things Around
__ Complete Q&P < > Due _____

7. B2 9/19 – Newton's Second Law Experiment

__ Experiment: Putting the Force Before the Cart

8. r 9/20 – Continue Experiment

__ Experiment: Putting the Force Before the Cart
__ Complete Q&P < > Due _____

9. F 9/21† – Finish Experiment + LabQuiz

__ Experiment: Putting the Force Before the Cart
__ LabQuiz + Discussion
__ Complete Q&P < > Due _____

10. M 9/24 – Newton's Second Law

__ Springboard: Newton's Second Law
__ Read Guide*: Newton's Second Law
__ Complete Job: A Day at the Races
__ Complete Q&P < > Due _____

11. B1 9/25 – Weight Activity

__ Lab Springboard: The Heaviness of Mass Lo-Tech
__ Complete Q&P < > Due _____

12. B2 9/26 – Weight Activity Continued

__ Lab Springboard: The Heaviness of Mass Hi-Tech
__ Complete Q&P < > Due _____

13. r 9/27 – Mechanical Forces

__ Examples: Newton's Second Law
__ Lab Springboard: Feel the Forces [short]
__ Complete Q&P < > Due _____

14. F 9/28 – Interaction Activity

__ Lab Springboard: The Force Mirror
__ Read Guide*: Real Objects for Real Forces
__ Job: Newton III Force Pairs
__ Complete Q&P < > Due _____

15. M 10/1 – Demonstrations

__ Demo: Blowout Newton
__ LabQuiz: Heaviness of Mass | Force Mirror
__ Complete Q&P < > Due _____

16. B1 10/2 – Test Correction Journal Day

__ Test Correction Journal for PHY.01
__ Unit Work Return

17. B2 10/3 – Wrap-Up

__ Demo: The Newtonian Dart
__ Clicker Quiz
__ PracTest PHY.02 (Online)

18. r 10/4 – Unit Test PHY.02: Newton's Laws

*PhyzGuides are not printed for distribution in class. They are available for viewing, download, and printing at www.phyz.org.

Conceptual Physics Textbook: Chapters 3 (Newton's First Law), 6 (Newton's Second Law), 7 (Newton's Third Law)
Hewitt Drew It Screencasts: MECHANICS (Newton's First, Second, and Third Laws sections)

†Make up Unit Test PHY.01 as **soon as possible**; no later than F 9/14. Check the availability schedule on the board to see when you can come in. Unit tests made up after the posted date may result in the loss of the in-class TCJ journaling privilege on TCJ Day. In that case, journaling will have to be made up at lunch or after school.