

# Rio Americano High School Physics

## PHY.01 Introduction to Motion

[6/6/18]

### 1. r 8/16 – Physics Begins with an M

\_\_ Minibios  
\_\_ Ms  
\_\_ Stuff to Get

### 2. F 8/17 – The Why/How Tree

\_\_ Springboard: The Why/How Tree  
\_\_ Read Guide: The Why/How Tree  
\_\_ Read Guide: The Rules of the Universe  
\_\_ Complete Q&P < \_\_\_\_\_ > Due \_\_\_\_\_

### 3. M 8/20 – Numeric Notation

\_\_ Springboard: Numeric Notation  
\_\_ Reference: Scientific - Engineering - SI Notation  
\_\_ Reference: Quantities and Units  
\_\_ Read Guide: Orders of Magnitude  
\_\_ Complete Q&P < \_\_\_\_\_ > Due \_\_\_\_\_

### 4. T 8/21 – Space and Time

\_\_ Video Short: Powers of Ten  
\_\_ Job: Powers of Ten Estimations  
\_\_ Springboard: Space and Time  
\_\_ Read Guide: Space and Time  
\_\_ Examples: Motion / Graphing Technique  
\_\_ Complete Q&P < \_\_\_\_\_ > Due \_\_\_\_\_

### 5. W 8/22 – Graphing Motion

\_\_ Springboard: Graphing Motion  
\_\_ Reference: Letters and Symbols  
\_\_ Complete Q&P < \_\_\_\_\_ > Due \_\_\_\_\_

### 6. r 8/23 – Motion Lab

\_\_ Begin Experiment: A Notion for Motion  
\_\_ Complete Q&P < \_\_\_\_\_ > Due \_\_\_\_\_

### 7. F 8/24 – Motion Lab and Discuss Policies

\_\_ Finish Experiment: A Notion for Motion  
\_\_ YouTube: Baloney Detection Kit, Due \_\_\_\_\_

### 8. M 8/27 – High-Tech Motion Lab

\_\_ Lab: Sonic Ranger  
\_\_ Complete Q&P < \_\_\_\_\_ > Due \_\_\_\_\_

### 9. T 8/28 – Quiz/Discuss High-Tech Lab

\_\_ LabQuiz: Sonic Ranger  
\_\_ Springboard: Speeding Through Motion  
\_\_ Complete Q&P < \_\_\_\_\_ > Due \_\_\_\_\_

### 10. W 8/29 – Begin Lab Prep Activities

\_\_ Lab Prep: Carts and Tracks  
\_\_ Lab Prep: Get Smart  
\_\_ Complete Q&P < \_\_\_\_\_ > Due \_\_\_\_\_

### 11. r 8/30 – Finish Lab Prep Activities

\_\_ Finish Lab Preps  
\_\_ LabQuiz: Lab Preps  
\_\_ YouTube: Secrets of the Psychics, Due \_\_\_\_\_

### 12. F 8/31 – Begin Fan Cart / Accelerometer Lab

\_\_ Lab: Going Through the Motions  
\_\_ Complete Q&P < \_\_\_\_\_ > Due \_\_\_\_\_

### 13. T 9/4 – Finish Fan Cart / Accelerometer Lab

\_\_ Lab: Going Through the Motions  
\_\_ LabQuiz: Going Through the Motions  
\_\_ Post-Lab Discussion  
\_\_ Complete Q&P < \_\_\_\_\_ > Due \_\_\_\_\_

### 14. W 9/5 – Hewitt Video Lesson

\_\_ Conceptual Physics Alive: *Linear Motion*  
\_\_ Unit Work Return

### 15. r 9/6 – Wrap-Up

\_\_ PHY.01 Clicker Quiz  
\_\_ PHY.01 PracTest (find on [phyz.org](http://phyz.org))

### 16. F 9/7 - Unit Test PHY.01: Intro to Motion

*Conceptual Physics* Textbook: Chapter 4 • YouTube Hewitt Drew It Screencasts: Linear Motion. To access these screencasts, go to <http://phyz.org> (your new favorite website) and click "Hewitt Drew It! Physics Screencasts". From the screencast directory, click the topic listed here on the schedule (in this case, "Linear Motion"). This will take you to videos related to that topic.

The "Q&P < \_\_\_\_\_ > Due \_\_\_\_\_" on the schedule is the space in which you record the daily homework **Q**uestion and **P**roblem assignments and their corresponding due dates. Look for this information on the front board in the classroom, under the letters, "PHY".