

Rio Americano High School AP Physics 1

AP1.01 Kinematics in One Dimension [rev. 8/24/18]

1. r 8/16 – Physics Begins w/M

- __Minibios + Ms + Stuff to Get
- __Welcome Math Assessment Preview

2. F 8/17 - The Why/How Tree

- __Springboard: The Why/How Tree
- __Read Guide: The Why/How Tree
- __Read Guide: Rules of the Universe
- __Welcome Math Assessment
- __Complete Q&P < >

3. M 8/20 – Powers of Ten

- __Springboard: Numeric Notation
- __Reference: Sci-Eng-SI Notation
- __Read Guide: Orders of Magnitude
- __Reference: Letters and Symbols
- __Video Short: Powers of Ten
- __Complete Q&P < >

4. T 8/21 – Space and Time

- __Discussion: Space and Time
- __Read Guide: Space and Time
- __Examples: Motion / Graphing Technique
- __Complete Q&P < >

5. W 8/22 – Motion Lab

- __Springboard: Graphing Motion
- __Complete Q&P < >

6. r 8/23 – Graph Kin: Uniform Motion

- __Begin Lab: Notion for Motion
- __Complete Q&P < >

7. F 8/24 – Graph Kin: Accelerated Motion

- __Lab: Notion for Motion
- __Complete Q&P < >

8. M 8/27 – Hi-tech Motion Lab

- __Springboards: Little Dudes 1 & 2
- __Complete Job: Little Dots UM
- __Springboards: Little Dudes 3 & 4
- __Examples: Position, Velocity, and Acceleration
- __PhyzJob: Little Dots UAM
- __Complete Q&P < >

9. T 8/28 - Hi-tech Motion Lab

- __Lab: Sonic Ranger
- __Complete Job: How's it Going?
- __Complete Q&P < >

10. W 8/29 – Cart/Track Pre-Lab

- __Prelab: Carts & Tracks
- __Complete Job: What's Goin' On?
- __Graph Kin Primer and Exercises
- __Complete Q&P < >

11. r 8/30 – Capstone Pre-Lab

- __Prelab: Get Smart
- __LabQuiz
- __Complete Q&P < >

12. F 8/31 – Motion Simulation TechLab

- __What Do They Mean?
- __TechLab: Motivating the Moving Man
- __Complete Q&P < >

13. T 9/4 – Motion TechLab

- __Begin Lab: Going Through Motions
- __Complete Q&P < >

14. W 9/5 - Motion TechLab

- __Finish Lab: Going Through Motions
- __Lab Quiz: Going Through the Motions
- __Complete Q&P < >

15. r 9/6 – Wrap-Up

- __Lab Quiz: Motivating the Moving Man

16. F 9/7 - Test AP1.01: Kinematics in 1D

Essentials of College Physics Textbook: Chapters 2 and 3 (Solved problems can be found in one of the textbook supplements.) YouTube Hewitt Drew It Screencasts: Linear Motion. To access these screencasts, go to <http://phyz.org> (your new favorite website) and click "Classic Phyz" then "All Things PhyzVideo," then "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.