

Rio Americano High School AP Physics 1

AP1.01 Kinematics in One Dimension

[6/8/18]

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
- __Experiment: Motion to Graph
- __Complete Q&P < >

6. r 8/23 – Graph Kin: Uniform Motion

- __Springboards: Little Dudes 1 & 2
- __Complete Job: Little Dots UM
- __Complete Q&P < >

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

- __Springboards: Little Dudes 3 & 4
- __Examples: Position, Velocity, and Acceleration
- __PhyzJob: Little Dots UAM
- __Begin Lab: Notion for Motion
- __Complete Q&P < >

8. M 8/27 – Hi-tech Motion Lab

- __Finish Lab: Notion for Motion
- __Begin Lab: Sonic Ranger
- __Complete Job: What's Goin' On?
- __Complete Q&P < >

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

- __Finish Lab: Sonic Ranger
- __Complete Q&P < >

10. W 8/29 – Acceleration Pre-Lab

- __Prelab: Carts & Tracks
- __Graph Kin Primer and Exercises
- __Complete Job: How's it Going?
- __Complete Q&P < >

11. r 8/30 – Acceleration Lab

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

12. F 8/31 – Working Up

- __Finish Lab: Going Through Motions
- __Springboard: Velocity-Position 1
- __Complete Jobs: Little Dudes Ride Again 1
- __What Do They Mean?
- __Simulation: Motivating the Moving Man
- __Complete Q&P < >

13. T 9/4 – Working Up

- __Springboard: Velocity-Position 2
- __Complete Job: Little Dudes Ride Again 2
- __Complete Q&P < >

14. W 9/5 – Wrap-Up

15. F 9/6 - 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.