

Rio Americano High School AP Physics 1

AP1.01 Kinematics in One Dimension

[rev. 8/5/19]

1. r 8/15 – Physics Begins w/M

__ Minibios + Ms + Physics Stuff: Yes No Stow

2. F 8/16 - The Why/How Tree

__ Springboard: The Why/How Tree

__ Read Guide: The Why/How Tree

__ Read Guide: Rules of the Universe

__ Complete Q&P < >

3. M 8/19 – Powers of Ten

__ Springboard: Numeric Notation

__ Reference: Sci-Eng-SI Notation

__ Read Guide: Orders of Magnitude

__ Reference: Symbols and Directions

__ YouTube Homework (YTHW): Powers of Ten

__ Complete Q&P < >

4. T 8/20 – Space and Time

__ Discussion: Space and Time

__ Read Guide: Space and Time

__ Examples: Motion / Ref: Graphing Technique

__ Reference: Quantities and Units

__ Complete Q&P < >

5. W 8/21 – Position Graphs

__ Springboard: Graphing Motion

__ Complete Q&P < >

6. r 8/22 – Motion Lab

__ Begin Lab: Notion for Motion

__ Complete Q&P < >

7. F 8/23 – Motion Lab

__ Lab: Notion for Motion

__ YTHW: Baloney Detection Kit

__ Complete Q&P < >

8. M 8/26 – Stacked Motion Graphs

__ Springboards: Little Dudes 1 & 2

__ Complete Job: Little Dots UM

__ Springboards: Little Dudes 3 & 4

__ Examples: Position, Velocity, and Acceleration

__ PhysJob: Little Dots UAM

__ Complete Q&P < >

9. B1 8/27 - Hi-Tech Motion Lab

__ Lab: Sonic Ranger

__ Complete Job: How's it Going?

__ Complete Q&P < >

10. B2 8/28 – Cart/Track Pre-Lab

__ Lab Prep: Smart Carts & Tracks

__ Complete Job: What's Goin' On?

__ Graph Kin Primer and Exercises

__ Complete Q&P < >

11. r 8/29 – Capstone

__ Lab Prep: Get Smart

__ LabQuiz: Lab Preps

__ Complete Q&P < >

12. F 8/30 – Motion Simulation TechLab

__ Complete Job: What Do They Mean?

__ TechLab: Motivating the Moving Man

__ Complete Q&P < >

13. T 9/3 – Motion TechLab

__ Begin Lab: Going Through Motions

__ Complete Q&P < >

14. W 9/4 - Motion TechLab

__ Finish Lab: Going Through Motions

__ Lab Quiz: Going Through the Motions

__ Complete Q&P < >

15. r 9/5 – Wrap-Up

__ Lab Quiz: Motivating the Moving Man

16. f 9/6 - Test AP1.01: Kinematics in 1D [no FRQ]

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://phys.org> (your new favorite website) and click "Classic Physz" then "All Things PhyszVideo," 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.

[Which day of the week is denoted with an R? What do B1 and B2 mean? Why are some days lowercase?]