

Rio Americano High School AP Physics 1

AP1.04 Statics and Dynamics

[10/4/17]

1. r 10/12 – Normal and Weight

- __Video Demo: Elevator Man
- __Complete Job: Weight of the Worlds

2. F 10/13 – Friction

- __Experiment: Elements of Friction
- __Complete Q&P < >

3. M 10/16 – Tension

- __Experiment: Elements of Tension
- __Complete Q&P < >

4. T 10/17 – Drag

- __Examples: Forces
- __Read Guide: Friction
- __Springboard: A Day at the Races
- __Complete Job: Skydiver Physics
- __Guide* Anatomy of Drag
- __Guide:* Terminal Speed
- __Complete Q&P < >

5. W 10/18 – More Terminal Speed

- __Read Guide: Meet the Forces
- __Experiment: Elements of Terminal Speed
- __Complete Q&P < >

6. r 10/19 – Introduction to FBDs

- __Lab: Monster Vector Pull
- __Complete Job: Operation: Libra
- __Complete Q&P < >

7. F 10/20 – Static Free Body Diagrams

- __Complete Job: FBD Basics
- __Read Guide: FBDs Recipe for Success
- __Complete Q&P < >

8. M 10/23 - FBDs

- __Problem Solving Skills Day
- __Complete Q&P < >

9. B1 10/24 – Dynamic FBDs

- __Problem Solving Skills Day 2
- __Complete Q&P < >

10. B2 10/24 – Wrap-Up

- __Test Correction Mastermind

11. F 10/27 - Test AP1.04: Statics & Dynamics

PhyzGuides are available at phyz.org. They are no longer printed for distribution in class.

Essentials of College Physics Textbook: Chapters 3 (Vectors) and 4 (Forces)
Hewitt Drew It! YouTube Screencasts: (See <http://phyz.org/hewittdrewit>)
MECHANICS – Newton’s First Law of Motion (Episodes 1-7)

Notes:

Make up Unit Test AP1.03 as soon as possible; no later than F 10/20. AP Physics make-up tests are given after school only. See the availability schedule on the front board for after school availability. Remember, notecards cannot be used on make-up tests (AP reference sheets **can** be used.)