

Rio Americano High School AP Physics 1

AP1.04 Statics and Dynamics

[6/20/18]

0. w 10/17 – Rolling in a Reliant Robin

1. r 10/18 – Normal and Weight

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

2. F 10/19 – Friction

__Experiment: Elements of Friction
__Complete Q&P < >

3. M 10/22 – Tension

__Experiment: Elements of Tension
__Complete Q&P < >

4. B1 10/23 – Drag

__Examples: Forces
__Read Guide: Friction
__Springboard: A Day at the Races
__Complete Job: Skydiver Physics
__Read Guide Anatomy of Drag
__Read Guide: Terminal Speed

5. B2 10/24 – More Terminal Speed

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

6. r 10/25 – Introduction to FBDs

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

7. F 10/26 – Static Free Body Diagrams

__Springboard: FBD Basics
__Read Guide: Digby's FBD Cookbook
__Complete Q&P < >

8. M 10/29 – Elements Overrun Day?

__Complete Q&P < >

9-10. B 10/30-1 – FBDs

__Problem Solving Skills Day
__Complete Q&P < >

11. r 11/1 – Test Correction Mastermind

__TCM AP1.03 – Newton's Laws

12. F 11/2 - Test AP1.04: Statics & Dynamics

[Enough time 4 elements?]

PhyzGuides are available at phys.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://phys.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 10/26. AP Physics make-up tests are given after school only. See the availability schedule on the front board for after school availability.