

# Rio Americano High School Physics

## AP1.04 Statics and Dynamics [10/14/16]

---

### 1-3. Elements of...

#### 1. r 10/13 – Normal and Weight

\_\_Video Demo: Elevator Man

\_\_Job: Weight of the Worlds

#### 2. B1\*\* 10/17 – Friction

\_\_Experiment: Elements of Friction

\_\_Q&P < \_\_\_\_\_ >

#### 3. B2\*\* 10/17 – Tension

\_\_Experiment: Elements of Tension

\_\_Q&P < \_\_\_\_\_ >

#### w 10/19 – CTF Opportunity in class

#### 4. r 10/20 – Drag

\_\_Examples: Forces

\_\_Guide: Friction

\_\_Springboard: A Day at the Races

\_\_Job: Skydiver Physics

\_\_Guide\* Anatomy of Drag

\_\_Guide:\* Terminal Speed

\_\_Q&P < \_\_\_\_\_ >

#### 5. F 10/21 – More Terminal Speed

\_\_Guide: Meet the Forces

\_\_Experiment: Elements of Terminal Speed

\_\_Q&P < \_\_\_\_\_ >

#### 6. M 10/24 – Introduction to FBDs

\_\_Lab: Monster Vector Pull

\_\_Job: Operation: Libra

\_\_Q&P < \_\_\_\_\_ >

#### 7. B1 10/25 – Static Free Body Diagrams

\_\_Job: FBD Basics

\_\_Guide: FBDs Recipe for Success

\_\_Q&P < \_\_\_\_\_ >

#### 8. B2 10/25 - FBDs

\_\_Problem Solving Skills Day

\_\_Q&P < \_\_\_\_\_ >

#### 9. r 10/27 – Dynamic FBDs

\_\_Problem Solving Skills Day 2

\_\_Q&P < \_\_\_\_\_ >

#### 10. F 10/28 – Wrap-Up

\_\_Test Correction Mastermind

#### 11. M 10/31 - Unit Test AP1.04

---

**PhyzGuides are available at [phys.org](http://phys.org) and via Schoology. 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 M 10/24. 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.

\*Special Block Day to accommodate the PSAT administration on W 10/19