

# Rio Americano High School AP Physics 1

## AP1.07 Impulse and Momentum

[1/10/17]

### TBA [Weather]: GrassOmelette XVI

Competition: Egg Toss - **OUTDOOR ACTIVITY** -  
**Attire alert - wet grass, puddles, eggsplash**

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#### 1. M 12/19 – Momentum

\_\_ Springboard: Intro to Momentum  
\_\_ Guide\*: Momentum  
\_\_ Examples: Impulse and Momentum  
\_\_ Q&P Page/s < > Due: \_\_\_\_\_

#### 2. T 1/10 - Impulsive Jearl

\_\_ Kinetic Carnival: Forces and Collisions  
\_\_ Q&P Page/s < > Due: \_\_\_\_\_

#### 3. W 1/11 – Impulse

\_\_ Springboard: Take a Flying Leap  
\_\_ Q&P Page/s < > Due: \_\_\_\_\_

#### 4. r 1/12 – Happy/Sad Dart

\_\_ Demonstration: Things That Go Bump!  
\_\_ Q&P Page/s < > Due: \_\_\_\_\_

#### 5. F 1/13 – Conservation of Momentum

\_\_ Guide\*: Conservation of Momentum  
\_\_ Job: Cons. of Momentum 1: Momentum >>>  
\_\_ Job: Conservation of Momentum 2: Velocity  
\_\_ Q&P Page/s < > Due: \_\_\_\_\_

#### 6. T 1/17 – Conservation Laboratory

\_\_ PreLab: DataStudios  
\_\_ Q&P Page/s < > Due: \_\_\_\_\_

#### 7. W 1/18 – Inelastic Collisions Lab

\_\_ From DataStudios to Crash and Stick  
\_\_ Q&P Page/s < > Due: \_\_\_\_\_

#### 8. r 1/19 – Inelastic Collisions Lab

\_\_ Lab: Crash and Stick  
\_\_ Job: Conservation of Momentum 3: Puzzles  
\_\_ Q&P Page/s < > Due: \_\_\_\_\_

#### 9. F 1/20 – Inelastic Collisions Lab

\_\_ From Crash and Stick to Such Sweet Sorrow  
\_\_ Job: Conservation of Momentum 3: Puzzles  
\_\_ Q&P Page/s < > Due: \_\_\_\_\_

#### 10. M 1/23 – Explosion Experiment

\_\_ Exp: Such Sweet Sorrow  
\_\_ Job: Energy-Momentum Conundrums  
\_\_ Q&P Page/s < > Due: \_\_\_\_\_

#### 11. T 1/24 – Explosion Experiment

\_\_ Exp: Such Sweet Sorrow  
\_\_ Q&P Page/s < > Due: \_\_\_\_\_

12. W 1/25 – CPA Hewitt  
Momentum

#### 13. R 1/26 – TCM Day

\_\_ Test Correction Mastermind  
\_\_ Q&P Page/s < > Due: \_\_\_\_\_

#### 13. F 1/27 – Unit Test AP1.07

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\*Guides are available at [phys.org](http://phys.org) and Schoology.

*Essentials of College Physics* Textbook: Chapter 6: Momentum and Collisions

Hewitt Drew It! YouTube Screencasts: (See <http://phys.org/hewittdrewit>) MECHANICS: Momentum.

ExploratoRio is scheduled for Open House Day/Night: Wednesday, April 5. It's the biggest CTF opportunity of the year. Mark your calendar. More information will follow soon!

