

Rio Americano High School AP Physics 1

AP1.13 Post-Exam: Light Desserts + $\Psi\emptyset$

[5/9/18]

1. r 5/10 – Color: Pixel Peeping

__PhETLab+: Pixel Peeping + Fun With Colors
__YouTube: Trichromats and Chromatophores

2. F 5/11 – Luna’s Dark Side

__Lab Springboard: Diversion Into Dispersion
__Read Guide: Dispersion
__Complete Q&P < >

3. M 5/14 – Rainbows

__Springboard: Rainbows
__Complete Q&P < >

4. B1 5/15 – Why the Sky is Blue

__Activity: Why the Sky is Blue
__Read Guide: Scattering
__Complete Q&P < >

5. B2 5/15 – Polarization

__Activity: Pole-Arizer
__Activity: Blackout
__Read Guide: Polarization
__YouTube Physics: v=CSu0cV3fqj8
__Complete Q&P < >

6. r 5/16 – Odds & Ends

__Rainbows: YosemiteBear, Autotuned, Cecily
__Polarization: Filters, Glare-block, 3D Movies
__Complete Q&P < >

7. F 5/18 – Iridescence

__Springboard: Iridescence
__YouTube: Magnificent Blue
__Complete Q&P < >

8. M 5/21 – Interference Math

__Remember Interference in 1D & 2D
__PhETLab: Fringe of Optics
__Complete Q&P < >

9-10. B 5/22-23 – Groovy CD Lab

__Lab: How Groovy is Your CD?
__Complete Q&P < >

12. r 5/24 - Diffraction in Action

__Lab Springboard: Diffraction in Action
__Read Guide: Diffraction
__Complete Q&P < >

13. F 5/25 – Test AP1.13: Light Desserts

P1. T 5/29 – Final Exam Periods 1 3 5

P1. W 5/30 – Final Exam Periods 2 4 6

PS1. F 6/1 – NOVA: Secrets of the Psychics

YouTube: Is Global Warming a Hoax?

PS2. T 6/5 – Annual Roadrunner Film Festival

Essentials of College Physics Textbook: Chapters 22 and 24

Curriculum on phyz.org: PHY.10: Light and PHY.11: Optics

Hewitt Drew It! Screencasts: LIGHT > Properties of Light, Light Waves

All Physics, AP Physics 1, and AP Physics 2 students take their final at the time scheduled for “senior finals.” This applies to Seniors, Juniors, Sophomores, and Freshmen. If you are neither an upperclassman nor an underclassman, you are also not a physics student. If this is the case, you are not enrolled in this class and will not be taking a final exam.

The AP Physics 1 Rio Second Semester Exam will include Simple Circuits but will not include Light Desserts. The same was true of the College Board’s AP Physics 1 Exam!

Only physics students may attend the Roadrunner Film Festival, and only during their designated period. Thank you for understanding.