

Rio Americano High School AP Physics 2 - 2016 •

AP2.07 Optics [2/24/16]

1. r 2/11 – Cosmos: A Spacetime Odyssey
Episode 10. The Electric Boy (out of sequence)

2. F 2/12 – Image Formation
Lab Springboard: Mirror Experience
Guide: Mirror Measures
Guide: Principal Rays for Mirrors
Job: Ray Tracing 1 and 2
Q&P Page/s < > APFR:

3. M 2/22 – Image Characterization
Job: Image Characterization
Job: Magnification
Q&P Page/s < > APFR:

4. B1 2/23 – Unfinished Refractions
Springboard: Snell's Law (with sin)
Lab Springboard: Using Snell to Find n
Q&P Page/s < > APFR:

5. B2 2/23 – Unfinished Refractions
Critical Angle (with arcsin)
Lab Springboard: Using TIR to Find n
Q&P Page/s < > APFR:

6. r 2/25 – Problems Day
Refractions – Prisms+
Q&P Page/s < > APFR:

7. F 2/26 – Launch Into Lenses
Springboard: Lens Experience
Guide: Lens Lengths, Principle Rays
Job: Ray Tracing 3 and 4
Q&P Page/s < > APFR:

8. M 2/29 – Corrective Lenses
Vision Defects
Q&P Page/s < > APFR:

9. B1 3/1 – Looking Through the Glass EXP
Data Collection and Analysis
Q&P Page/s < > APFR:

10. B2 3/1 – Look Through Unknown Glass
Data Collection and Analysis
Q&P Page/s < > APFR:

11. r 3/3 – Number Crunching
Job: Number Crunching
Job: Image Meta-Analysis

12. F 3/4 – Water Lenses & Air Lenses
Springboard: Water Lenses
Springboard: Air Lenses
Job: Inverted Index Lenses

13. M 3/7 – Problems Day
Mirrors and Lenses
Optics Problems

14. B1 3/8 – Wrap Up
Test Correction Mastermind

15. B2 3/8 Unit AP2.07 Day

Essentials of College Physics Textbook: Chapters 22 Reflection and Refraction and 23 Mirrors and Lenses

Hewitt Drew It Screencasts: LIGHT: Reflection and Refraction

Make Up Unit Test AP2.06 as soon as possible; no later than Monday, 3/3. AP make up tests are administered after school only. Remember, notecards cannot be used on make-up tests.

*Guides are available at phys.org and Schoology.