

Rio Americano High School Physics

PHY.10 Light

[3/28/17]

1. r 3/30 – Web Quest: Research

__ Springboard: Electromagnetic Spectrum
__ Read Guide: EM Waves/The EM Spectrum
__ Read Guide: Making Waves 5
__ Complete Q&P < > Due _____

2. F 3/31 – Cosmos: A Personal Voyage

Episode IX: The Lives of the Stars

3. B1 4/3 – Color: Pixel Peeping

__ PhETLab+: Pixel Peeping
__ Extension: Fun With Colors
__ Complete Q&P < > Due _____

4. B2 4/4 – Films In Living Color

__ Conceptual Physics Alive: Light and Color
__ The Magic of Magenta (Royal Institution)
__ Octopus Camouflage (SciFri)
__ Examples: Light/Indices of Refraction
__ Complete Q&P < > Due _____

W 4/5 – EXPLORATORIO

5. r 4/6 – Reflection

__ Lab Springboard: Reflections I
__ Read Guide: Reflection
__ Complete Q&P < > Due _____

6. F 4/7 – Intro to Refraction

__ Lab Springboard: Diversion Into Refraction
__ Read Guide: Refraction
__ Complete Q&P < > Due _____

7. M 4/17 – Conceptual Physics Alive!

__ Reflection and Refraction
__ Complete Q&P < > Due _____

8. B1 4/18 – Refraction

__ Lab Springboard: Coin In the Cup
__ Springboard: Index of Refraction
__ Complete Q&P < > Due _____

9. B2 4/19 – Total Internal Reflection

__ Lab Springboard: Critical Angle
__ Read Guide: Total Internal Reflection
__ Complete Q&P < > Due _____

10. r 4/20 – Mirages

__ Lab Springboard: Mirages
__ Read Guide: Gradual Refraction
__ Complete Q&P < > Due _____

11. F 4/21 – Cosmos: A Personal Voyage

Episode X: The Edge of Forever

12. M 4/24 – The Dark Side of the Moon

__ Lab Springboard: Diversion Into Dispersion
__ Read Guide: Dispersion
__ Complete Q&P < > Due _____

13. B1 4/25 – How Rainbows Work

__ Springboard: Rainbows
__ Complete Q&P < > Due _____

14. B2 4/26 – TCJ Day

__ TCJ Quiz PHY.08 & TC Journal PHY.09
__ Homework PHY.10 return
__ PracTest (Online)

15. r 4/27 – Test PHY.10: Light

SPRING BREAK

Guides are available at phyz.org and via Schoology.

Conceptual Physics Textbook: Chapters 27, 28, 29

Relevant Hewitt Drew It! Screencasts: LIGHT > Properties of Light (start at phyz.org/hewittdrewit)

Make up Unit Test PHY.09 as **soon as possible**; no later than F 4/7.