

Rio Americano High School Conceptual Physics

CP.15 Light & Color [Ch. 27 & 28] + Finals [7/24/17]

1. F 5/4 – Early Concepts of Light & The Speed of Light

- __Read §27.1 Early Concepts of Light
 - __Answer q. 1
 - __Read §27.2 The Speed of Light
 - __Answer q. 2, 3, 4, 5, 24, 25, 30
 - __Hewitt-Drew-it 103. Speed of Light
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2. M 5/7 – Electromagnetic Waves

- __Read §27.3 Electromagnetic Waves
- __Answer q. 6, 7, 8, 26, 27, 28, 29
- __Cell Phone Popcorn

3. T 5/8 – Light and Transparent Materials & Opaque Materials

- __Read §27.4 Light and Transparent Materials
- __Answer q. 9, 10, 11, 12, 13, 14, 15, 37, 40
- __Read §27.5 Opaque Materials
- __Answer q. 16, 17, 36

4. W 5/9 – Cosmos: A Spacetime Odyssey

- __Episode 13. *Unafraid of the Dark*

5. r 5/10 – Shadows

- __Read §27.6 Shadows
- __Answer q. 18, 19

6. F 5/11 – Polarization & Polarized Light and 3D Viewing

- __Read §27.7 Polarization
 - __Answer q. 21, 22
 - __Read §27.8 Polarized Light and 3D Viewing
 - __Answer q. 23, 46
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7. M 5/14 – The Color Spectrum

- __Read §28.1 The Color Spectrum
 - __Answer q. 1, 2,
 - __Read §28.4 Sunlight
 - __Answer q. 8, 25
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8. T 5/15 – Color by Reflection & Color Transmission

- __Read §28.2 Color by Reflection
- __Answer q. 3, 4, 5
- __Read §28.3 Color Transmission
- __Answer q. 6, 7

9. W 5/16 – PhET Activities

- __Pixel Peeping
- __Fun with Colors

10. r 5/17 – Mixing Colored Light

- __Read §28.5 Mixing Colored Light
- __Answer q. 9, 10, 11, 27, 28

11. F 5/18 – Complementary Colors

- __Read §28.6 Complementary Colors
- __Answer q. 12, 13, 36, 37
- __Hewitt Drew It 104. Color

12. M 5/21 – Why the Sky is Blue & Why Sunsets are Red

- __Read §28.8 Why the Sky is Blue
- __Answer q. 16, 17, 18, 19, 40
- __Read §28.9 Why Sunsets are Red
- __Answer q. 20, 41
- __Hewitt Drew It 105. Why the Sky is Blue

13. T 5/22 – Conceptual Physics Alive

- __CPA: *Light & Color*

14. W 5/23 – Clickers +

- __Clicker Quiz 15 – Light & Colors
- __Angel of Carolina

15. t 5/24 – Test Corrections

- __Test Corrections CP.14 – Waves & Sound
- __Classwork return
- __PracTest CP.15 – Light & Color

16. F 5/25 – Unit Test CP.15 – Light & Color

Unit Test CP.15 will cover

Conceptual Physics Textbook: Chapters 27 & 28 – Light & Color**** • *Conceptual Physics Alive: Light & Color***
Cosmos Episode 13: *Unafraid of the Dark*** • Demos/Activities**

Senior Final [Estimated]

Tuesday 5/29 – 1, 3, 5

Wednesday 6/y – 2, 4, 6

M 5/a – Bill Nye: Heat / Static Electricity
W/B2 5/c – Bill Nye: Waves / Sound

T/B1 5/b – Bill Nye Electricity / Magnetism
F 5/e – Bill Nye: Color [Work return]