

Physics Calendar - Light, Reflection & Color: 2013-14(Williams) - Chapter 13 (12 days)

Bold and underlined means put in journal notes (for any problems: Show your work!)

1	Th:04/10/14	GOALS: EMR, color, compare/contrast, brain/eyes, video? 12-01: slides 1-7 <ul style="list-style-type: none"> • Compare and contrast light/sound • What's color? including EMR; 3 light guns? Computer mix? • 3-color eye physiology: retina & brain, start HW 	• R12-01
2	Fr:04/11/14	GOALS: Blue skies & red sunsets (12-01: slides 17-21) <ul style="list-style-type: none"> • Blue skies, red sunsets..things you should know! • Inverse square law for intensity • Intro to color mixing (tshirt) problems 	• R12-02 • <u>(12-02)</u> p. 476+: 37,38,40,41,42
3	Mo:04/14/14	GOALS: Color mixing review, EMR problems <ul style="list-style-type: none"> • V is C for light, wave speed problems for light • More color mixing 	• <u>(12-03)</u> p. 449: 2,5,6
4	Tu:04/15/14	GOALS: After images fun (retinas get tired too, ya know!) <ul style="list-style-type: none"> • After image demos • General problems we've learned so far/HW time 	• <u>(12-04)</u> p. 476+: 1,2,6,7
5	We:04/16/14	GOALS: Ray tracing intro: Strings, law of reflection, flat mirror/candle demo <ul style="list-style-type: none"> • Law of reflection...like a bouncing basketball (specular/diffuse) • Light goes in straight lines (how do we know you're there?) • Law of reflection (candle, plexiglass demo) • Curved mirror ray tracing intro (follow along with packet) 	• R12-03 or packet page
6	Th:04/17/14	GOALS: Mirror equation with ray tracing <ul style="list-style-type: none"> • <u>(12-08)</u> notes • Problems or quiz 	• R12-04 • <u>(12-09)</u> p. 462: 2,3,4;
7	Mo:04/21/14	GOALS: Light polarization, 21st century light bulbs and LED TV's <ul style="list-style-type: none"> • <u>(12-06)</u> notes 	• R12-05
8	Tu:04/22/14	GOALS: Catch up day or ACT practice day <ul style="list-style-type: none"> • Depends on how we're doing! 	•
ED	We:04/23/14	• PSAE (No instruction for juniors, 12:10 dismissal)	•
	Th:04/24/14	• PSAE (No juniors til 5th per. +)	•
9	Fr:04/25/14	GOALS: Mirror lab, computer lab sim or other <ul style="list-style-type: none"> • Try making real images yourself • HW time if time 	• <u>(12-09)</u> p. 479: 49-52
10	Mo:04/28/14	GOALS: Combined quiz or catch up day <ul style="list-style-type: none"> • Review of what we've done so far 	• <u>(12-10)</u> p. 479: 56,57
11	Tu:04/29/14	GOALS: Group or individual quiz (5 to 10 pts only) <ul style="list-style-type: none"> • See how much you know and discover what you don't know • Take HW questions 	• <u>(12-10)</u> p. 482: 2, 5-10
12	We:04/30/14	GOALS: Review for test <ul style="list-style-type: none"> • Go over quiz • Review activity 	• Review for test
13	Th:05/01/14	Light, color, mirrors exam	•