Physics 132

<u>Theme Music:</u> Lea Salonga *Reflection (from Mulan)* <u>Cartoon:</u> Pat Brady *Rose is Rose*





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Physics 132

Foothold Ideas 1: The Physics



- Certain objects (the sun, bulbs,...) give off light.
- Through empty space (or ~air) light travels in straight lines.
- Each point on an object scatters light, spraying it off in all directions.
- A polished surface reflects rays back again according to the rule: The angle of incidence equals the angle of reflection.

Foothold Ideas 2: The Psycho-physiology



- We only see something when light coming from it enters our eyes.
- Our eyes identify a point as being on an object when rays traced back converge at that point.
 - (We use other clues as well and some people's brains do not merge binocular vision.)

Top Secret

- <u>http://www.youtube.com/watch?v=tgp7FaA0dms</u>
 (1 minute into trailer)