DAY 10 LASERS

Change April calendar

Change next Mon Review, MacGyver (Physics Day)

Next Tues. Review and Next Wed. Test over Waves

So this week Wed. Reflection Thurs. Draw your face mirror lab and Friday Parallax

DAY 10 LASERS

- Hand out palm pipe notes
- Class plays the harmony of Twinkle, Twinkle, little Star
- Class plays both harmony and melody of the same.

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- Oceans 12 video short

Man dancing through laser security system.

DAY 10 LASERS

- Brainstormed uses of Lasers

1). Security system

Turned off lights and walked by a huge hologram of a smiling young lady throwing a kiss and finally winking at you as you walk by her.

2). Holograms can only be made with lasers

3). Laser surgery

4). Engraving 5). Distance to moon 6). Lining up

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- LASER stands for

Light Amplification by Stimulated Emission of Radiation

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- How lasers work…

1). You need two mirror

One that is 100% reflective on the back and one maybe 86% reflective on the front.

2). You need to excite the atoms of the substance being lased so the electrons jump up above the second energy level.

3). One electron will fall back to the second orbital and as it passes another excited atom it too will give off a photon in step (coherent light) and so forth until they build up enough intensity to partially be emitted through the partially reflected end of the laser.

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- Kinesthetically

Students jumped up on their chairs when I turned on the lights. One student became a photon when they jumped back to the floor and as they passed another student on a chair they jumped down and joined the first student in step with them. As these two photons (students) passed others they two fell to the lower energy level joining them in step. This is called stimulated emission.

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- Started answering the wave question sheet until bell time.