**Directions**: In small groups (no more than 3) research an area of the electromagnetic spectrum. Topics will be chosen on a first come first serve basis. You will need to create a presentation for the class on what you have learned on your topic. You will also be responsible for taking notes on other presentations.

**Topics:**

1. Lasers

2. X-rays

3. Ultraviolet

4. Infrared

5. Radio

6. Television

7. Microwaves

8. Radar

9. Polarized Light

10. Holograms

**Things that must be included in your presentation:** What wavelengths does it cover, is it dangerous and/or good (what can it do), what do we use it for/examples

Other ideas that could be included in your presentation: Uses in medicine, defense, who discovered it etc.

**Grading:**

* 15 points for content – is it correct, did you do the minimum (10 points) or go beyond for the full points
* 10 points for your presentation (using good presentation skills – eye contact, speaking loud enough, being serious, should be 4-8 minutes (videos may not make up more than 50% of your presentation))
* 15 points for completing notes for all presentations

**Total: 40 points**

**Presentations will begin a half hour into class tomorrow, groups will be selected at random to go so you must be prepared and ready to present at any time**