**SNC2P Optics Unit Test Review:**

Your test is on Wednesday April 27st and you may bring in a ONE page self-made reference sheet. You will have a review period on Tuesday April 26th to make your reference sheet, ask me questions or work with other students to review for the test.

Use your notes as your PRIMARY source of information to generate your reference sheet. Here are the topics you should review before the test:

* What is light?
* Identify the two ways that light is produced? Know examples of each and their advantages and disadvantages
* What is the electromagnetic spectrum? What is wavelength? Compare the wavelength of blue to red lights
* What is reflection? How is it different from absorption? Transmission?
* What is the difference between materials that are transparent, translucent and opaque?
* When I look at an object, why do I see it? Why do I see a certain colour?
* What are the 3 primary additive light colours? What colours are produced when two or more are added together? How does a TV pixel relate to them?
* What are the 3 primary subtractive light colours?
* Diffuse vs. Specular Reflection
* Plane Mirrors and how they reflect. Know the terminology associated with it, laws of reflection, how to locate an image (by drawing light rays), describing an image using SALT.
* Concave & Convex mirrors-terminology, how to determine the location of an image using either of these mirrors, describe the image characteristics (SALT), applications of.
* Refraction: what is it? Terminology associated with it. When does Total Internal Reflection occur? Applications of refraction (e.g. fibre optics)
* Converging lenses-terminology + using ray diagrams to find an image, describe an image using SALT

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