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| Name: | Class: | Date: |

Science 8 – Optical Device Assignment

To follow our chapter on optical systems, you will be creating a “poster” fact sheet for an optical device. You can use either 8.5x11” blank paper or a program such as Google Docs on the computer.

Choose one of these topics for your assignment:

* Corrective lenses: Eyeglasses
* Corrective lenses: Contact lenses
* Microscopes
* Telescopes
* Cameras
* Binoculars
* Projectors
* Car headlights
* Security mirrors
* Flashlights
* LED light

Optical device:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Inventor: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**How you will be marked:**

* 15 marks for needed information and appearance
* 2.5 marks for your use of class time
* 2.5 marks for your bibliography (MLA format)
* 5 marks for effort and detail

TOTAL: 25 marks

**What to include on the “poster”**

Description of the invention/device (5 marks)

Include:

* when the item was invented
* who invented the device
* what the item is used for

How this invention/device has impacted us (5 marks)

Include:

* how has it helped us?
* Explain the Science behind the invention/device. Use terms like light rays, convex, concave, converge, diverge, and terms from Chapter 5 in our textbook (3 marks, use at least 3 terms)

Images and display (5 marks)

Include:

* A title
* Pictures and/or diagrams

(I will be considering the overall display)

Include a bibliography with your “poster”

* Use <http://www.bibme.org/> to help
* Choose MLA style