

Background

In our physics unit, we have discussed the behaviour of light rays that travel across different mediums. Lights can be reflected or refracted, and can travel at different speeds depending on what they travel through. They can also undergo dispersion when the medium causes the white light to be refracted into multiple colours.

Task

Your task is to create a song, limerick, poem, or rhyme that accurately represents what you have learned about lenses/mirrors, and how light travels off them/through them. It is meant to help you remember so that you can use it to study for your test or your exam. Terms that you can and should include (but not limited to) are:

- Ray
- Light
- Mirror/lens
- Reflection/Refraction
- Incidence

When recited, the work should be less than a minute long, so it is important that you practice and time yourself to ensure that it does not run over a minute.

You will present this piece of work in class in presentation form. You must also submit the lyrics, typed out and printed. You have total freedom for this project but please keep it appropriate and something that you can present to parents or a classroom of children.

Mark Breakdown

Optical Song/Poem/Limerick				
Student:				
Achievement Categories	4	3	2	1
Knowledge and Understanding	Excellent display of understanding of the content of optics, using a plethora of words in the work.	Good display of knowledge about optics, using all the necessary definitions correctly	Poor display of knowledge about optics, using the necessary terms but not exemplifying its true definition	Poor display of knowledge, using terms incorrectly or not at all.
Communication	Extemporaneous qualities are presented with enthusiasm when displaying the work The work is put together very creatively and in a way that makes sense, clearly indicating that it can be used by anyone	Display of work is enthusiastic and clearly heard when presenting the work The work can be used by people because it is logical and correct.	Student is somewhat enthusiastic and somewhat clear when presenting the work The work needs to be fixed because some mistakes cause it to not make sense.	Student is not enthusiastic at all and is difficult to hear or understand when presenting the work Very few things in the work makes sense and can't really be used by anyone until corrections are made.
Application	The work can be re-used by anybody to help learn about optics as well as careers and practical uses of optics in everyday life.	The work can be used by future classes or students time and time again to help understand the concept of optics	The work can only be used somewhat by some future students and doesn't really help understand the concept of optics	The work can't be re-used again because of its impracticality. Doesn't really help the learning of optics.
Total: /16				
Comments:				
<p>NOTE: Failure to submit a complete and polished poster on the assigned date will result in an incomplete being assigned. However, you will still be required to submit a complete and polished poster in order to demonstrate your understanding of the ministry expectations.</p>				