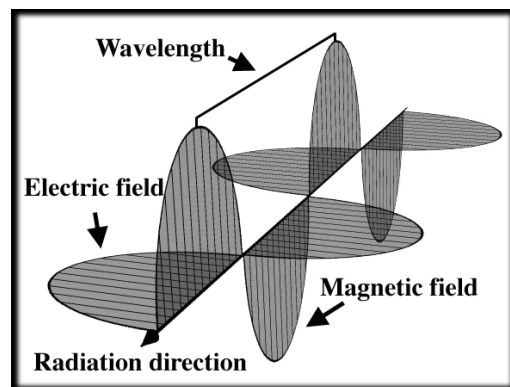


Practical Physics: Light as a Wave in Society

Task: Choose a format (slideshow, poster, editorial, etc.) that explains a light phenomenon and highlights how we use it in society. Physics is not just math: it's practical!



How you will be assessed:

Communication → You will have a choice of formats: each one has certain expectations. You are also responsible for handing in a proper APA bibliography and are expected to use in-text citation.

K & U → Explain your technology using appropriate 'Light as Wave' concepts and theory. How does it work? Show that you understand key ideas presented in this unit.

Application → Take this technology out of the classroom/textbook and into the real world. Physics knowledge has practical applications in the real world. Do some of the following: how is it useful? What are the limitations? Are there any controversies surrounding this technology? It is being commercially by the masses? How does it aid/hurt society?

	Grade	/5
Communication A1.11 – communicates ideas using appropriate language (specific vocabulary) in a variety of formats.	/3 - in text citations done properly. APA bibliography included.	/2 - expectations met for chosen format

	Grade			
	<3	3	4	/5
K & U D1.11 – can demonstrate a basic understanding of how the technology works with reference to wave nature of light.	- attempts to explain technology but has significant errors/omissions	- able to explain but has several errors/omissions	- Able to explain with some minor omissions and/ or errors.	- able to explain with no errors/omissions or very minor ones. Thorough understanding of light as wave as it relates to chosen topic.

	Grade			
	/5 or 5.5	6 or 6.5	7 or 7.5	/10
Application D1.2 – goes beyond 'how it works' and describes practical applications in real life. Looks at controversies, commercial viability, limitations, benefits, etc.	- attempts. Very brief and/or major errors/omissions	- decent attempt. Either brief or some errors in discussion.	- able to make connections to real life. More than just a brief mention of the 'practical' side of the physics. Some depth to this part.	- able to make connections to real life and highlight the practicality of the physics. Insightful. Indepth.

Communication: If applicable, the following are considered: spelling/grammar - font size - layout - use of pictures - colour - neatness