Electromagnetic Waves: How Do Sunglasses Work?

TeachEnginnering

Experience

Learn about the scientific and mathematical concepts around electromagnetic light properties that enable the engineering of sunglasses for eye protection.

Suggested Learning

Time	1 : 00	**Cost**	0.00

PreRequisites

Requirements

Skills

	Focus	Level	Standard	Points
Applied Science			NGSS	4
Observation				1
Written Communication			CC	1
Mathematics			CC	1

Total Skill Points **7**

Knowledge Gain

Calculate the light intensity when two polarizing films are used. Compare and contrast tinted and polarized glass.

Resource Link

https://www.teachengineering.org/lessons/view/mis-2231-light-properties-sunglasses-electromagnetic-waves-polarization