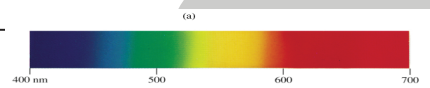


DISCUSS & INQUIRY

- Visible light & Electromagnetic Spectrum (EM)
- Light as a wave
- Particle characteristics

Optical properties of light
Relationship between light wavelength and color



OBSERVE & DESCRIBE

STEM CONNECTIONS

- Reflection - Refraction
- Why/What is Interference - Constructive and Destructive

DO

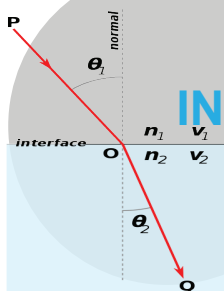
The Thin Film Interference activity utilizes visible light spectrum to illustrate the optical properties of thin films

Change in the interaction
• Different "interrupters"

OBSERVE & DESCRIBE

INVESTIGATE

Variables are changed to challenge and to start the critical thinking process



STEM CONNECTIONS

- Degree of Refraction
- Refraction Index

DISCUSS & INQUIRY

- Snell's Law of Refraction

STEM CONNECTIONS

- Possible applications
- * How does this apply to biology, chemistry, physics?