

See The Light

Storytelling with Light



Light



Light



LEARNING
VIDEOS
CHANNEL

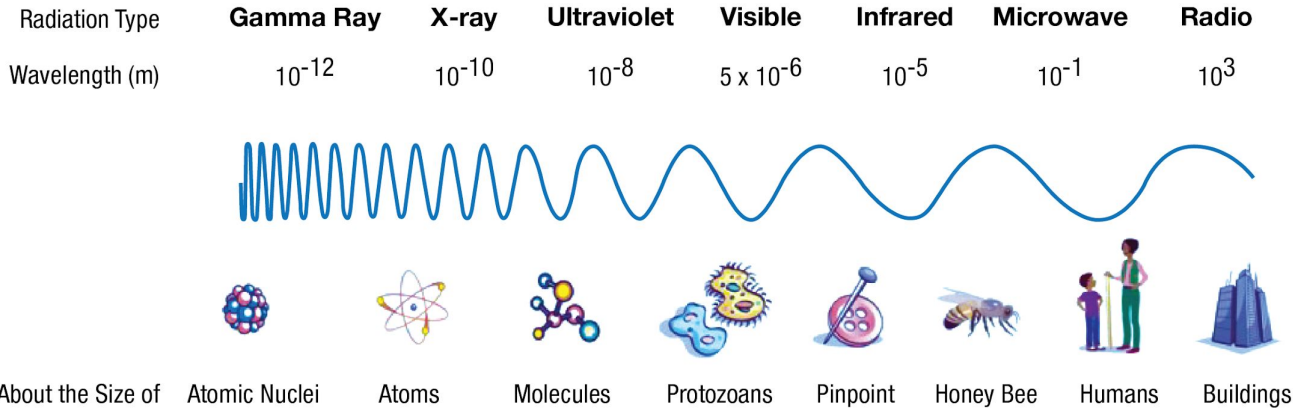
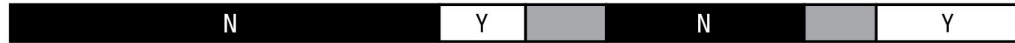
Light



Light

THE ELECTROMAGNETIC SPECTRUM

Penetrate Earth's Atmosphere

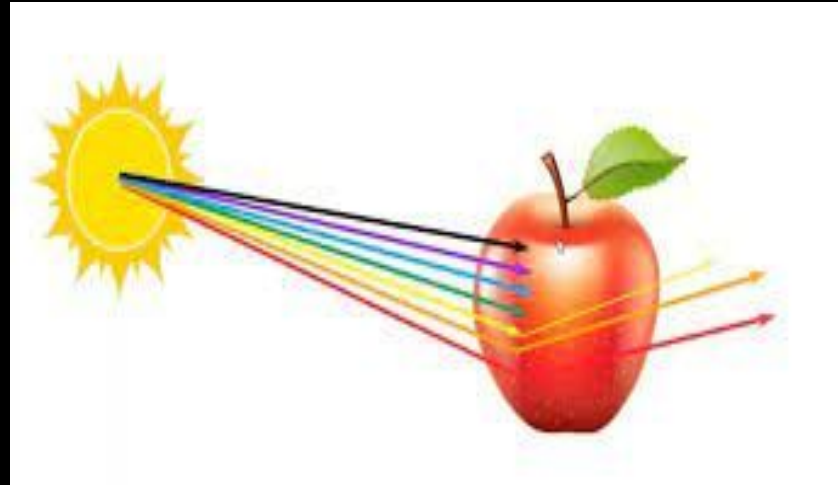
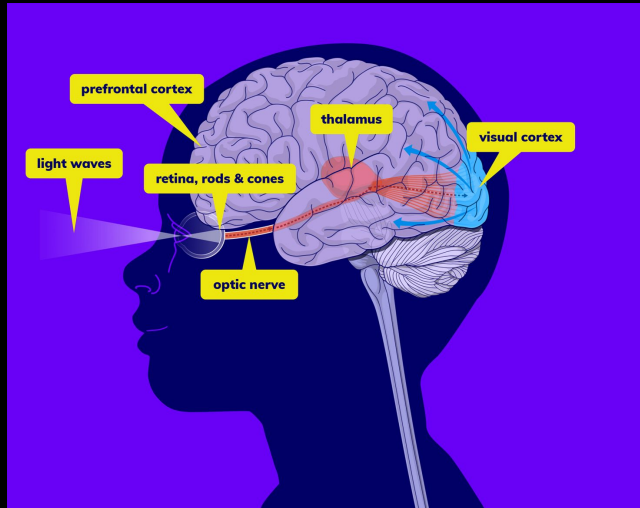


Short wavelength
High energy
High frequency



Long wavelength
Low energy
Low frequency

How we see color

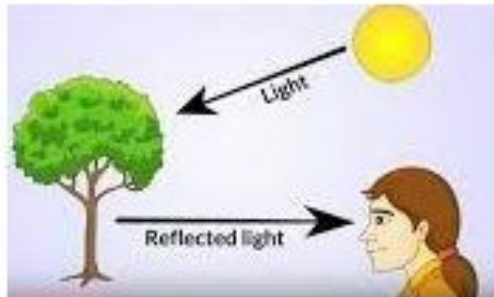


Reflection v/s Refraction

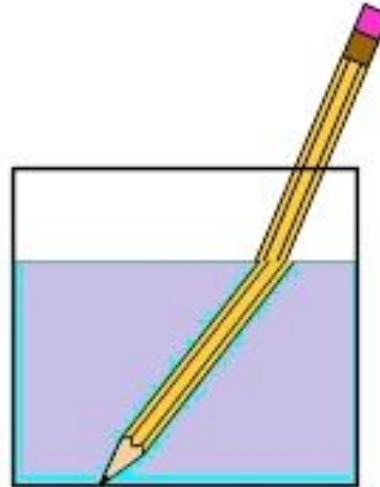


Reflection v/s Refraction

Difference Between Reflection and Refraction



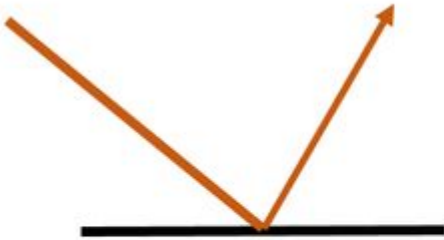
Reflection of light



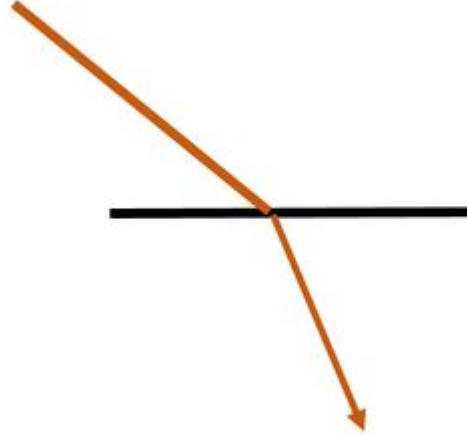
Refraction

Movement of Light

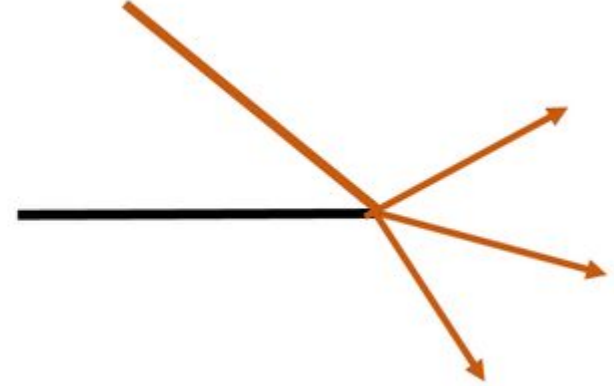
Reflection



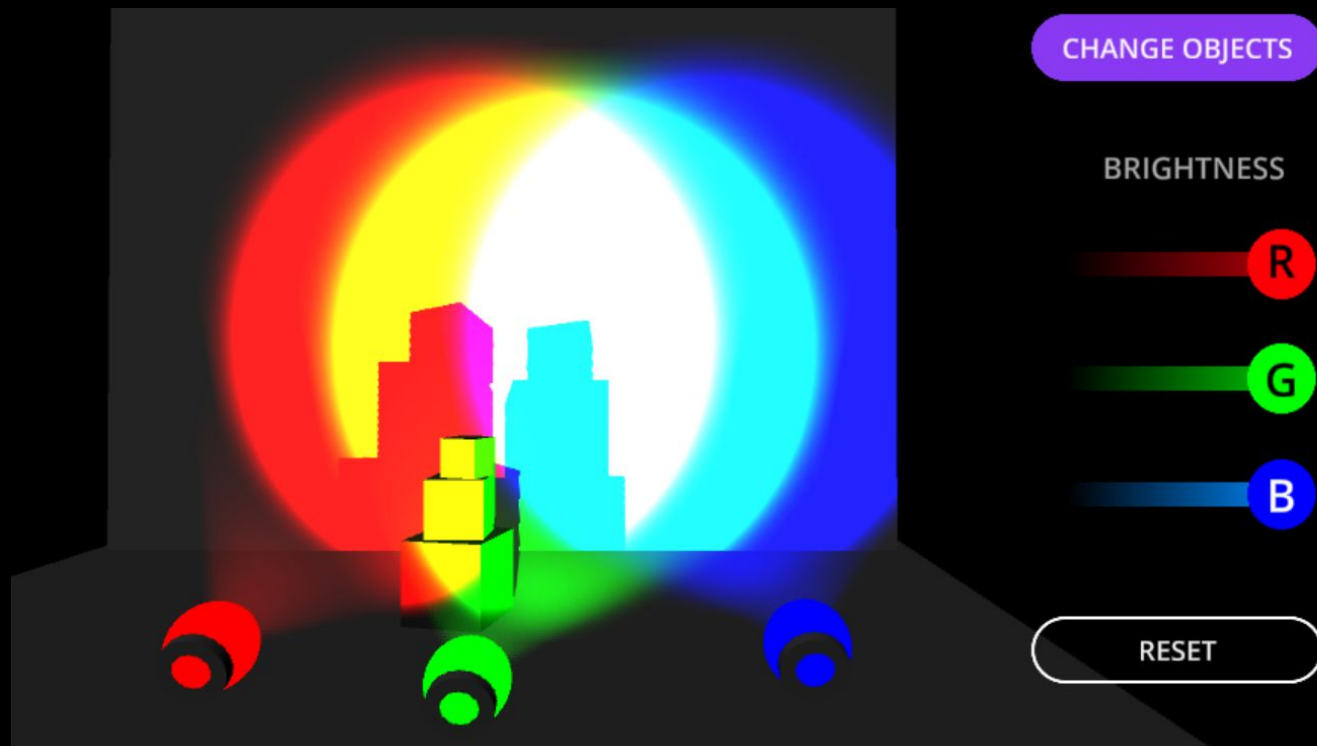
Refraction



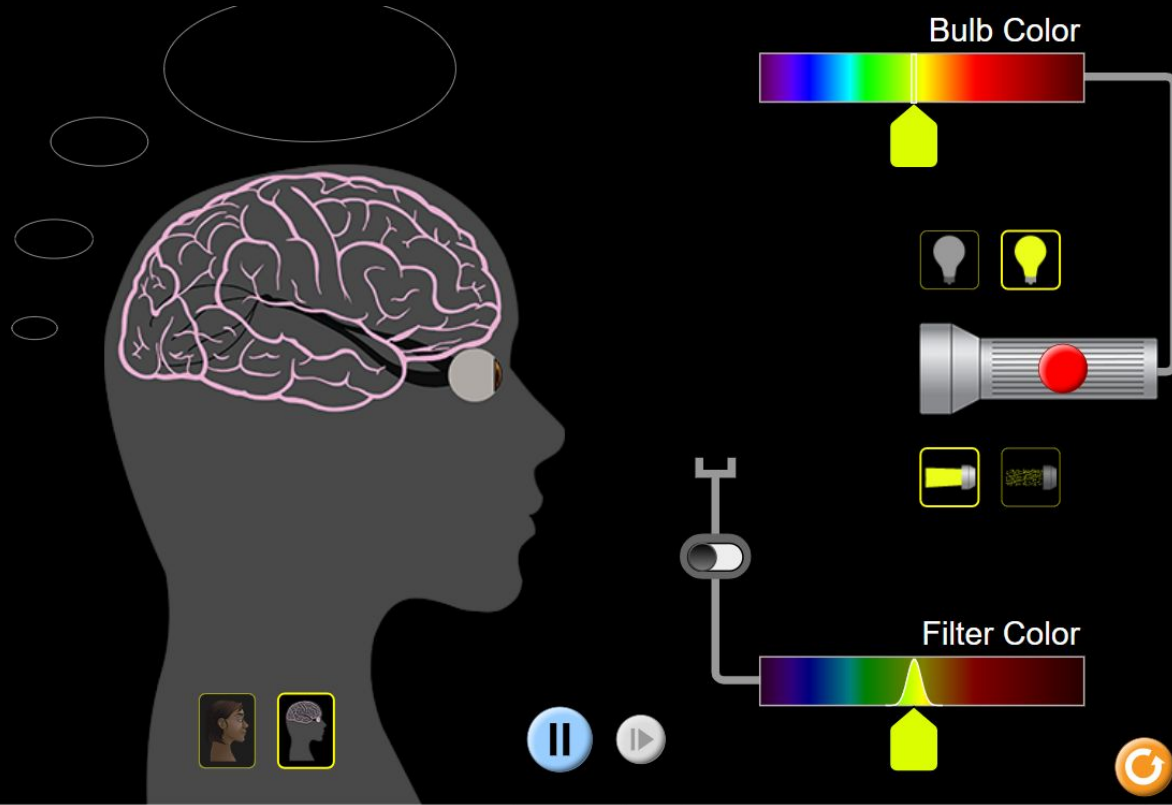
Diffraction



Play With Color Simulator



Play With Color Simulator - PhET



Bend Light - PhET

The screenshot shows the PhET 'Bend Light' simulation interface. A red laser ray originates from a grey laser pointer on the left, passes through a vertical dashed line representing the normal, and refracts towards the normal as it enters a blue region representing water. The interface includes several control panels:

- Top Left:** Radio buttons for 'Ray' (selected) and 'Wave'.
- Top Right:** A control panel for the upper medium (Air) with a 'Material' dropdown set to 'Air', an 'Index of Refraction (n)' input field set to '1.00', and a slider below it with markers for 'Air', 'Water', and 'Glass'.
- Bottom Right:** A control panel for the lower medium (Water) with a 'Material' dropdown set to 'Water', an 'Index of Refraction (n)' input field set to '1.33', and a slider below it with markers for 'Air', 'Water', and 'Glass'.
- Bottom Left:** A yellow protractor icon, a green 'Intensity' icon, and a checked 'Normal' checkbox.
- Bottom Center:** A circular refresh button.

Bending Light



Inspiration



Palau de la Música Catalana,
Barcelona, Spain



Cosmovitral Botanical
Garden, Toluca, Mexico



Nasir Al-Mulk Mosque, Shiraz, Iran

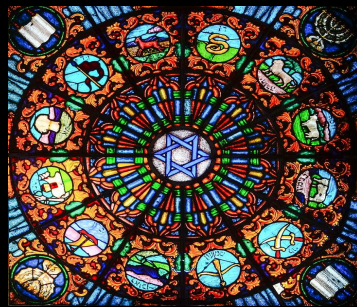
[More Inspiration](#)

Inspiration



[About Chihuly](#)

Inspiration



Other examples



Winter Illuminations at Nabana no Sato - a flower park in Japan. During this winter wonderland Millions of LED lights are used to create dazzling displays and light tunnels.

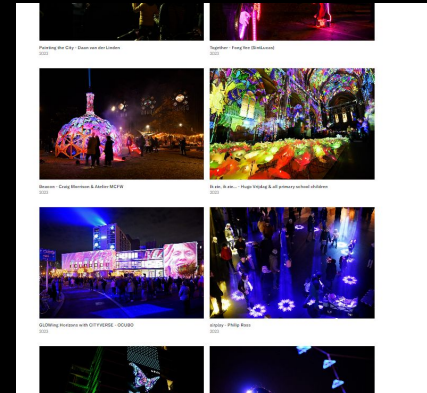
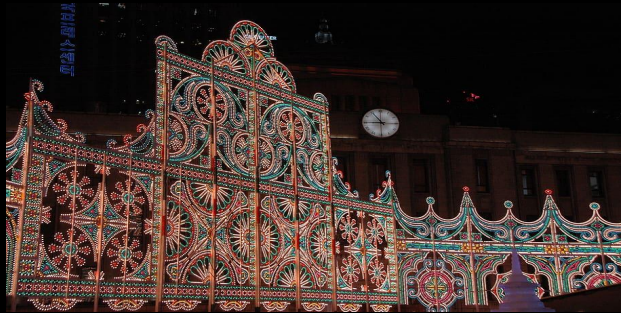


Fête des Lumières - Lyon, France Is a major event where buildings, streets, and public spaces are illuminated with stunning light installations. It celebrates the city's heritage and attracts millions of visitors.



GLOW Eindhoven - Netherlands:

GLOW is an annual light art festival held in Eindhoven. It features various light installations and artworks created by artists from around the world.



Click
Link for
gallery

Inspiration



Inspiration

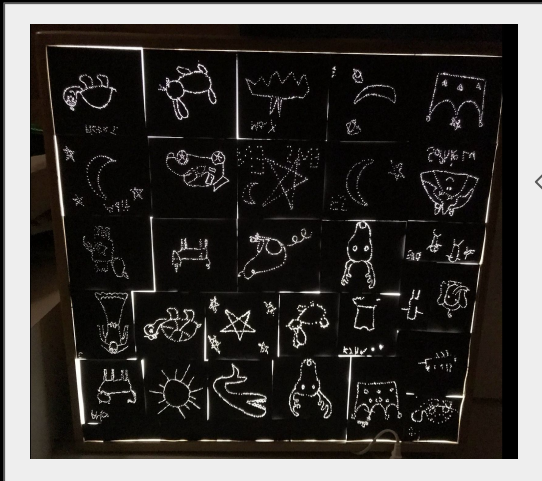
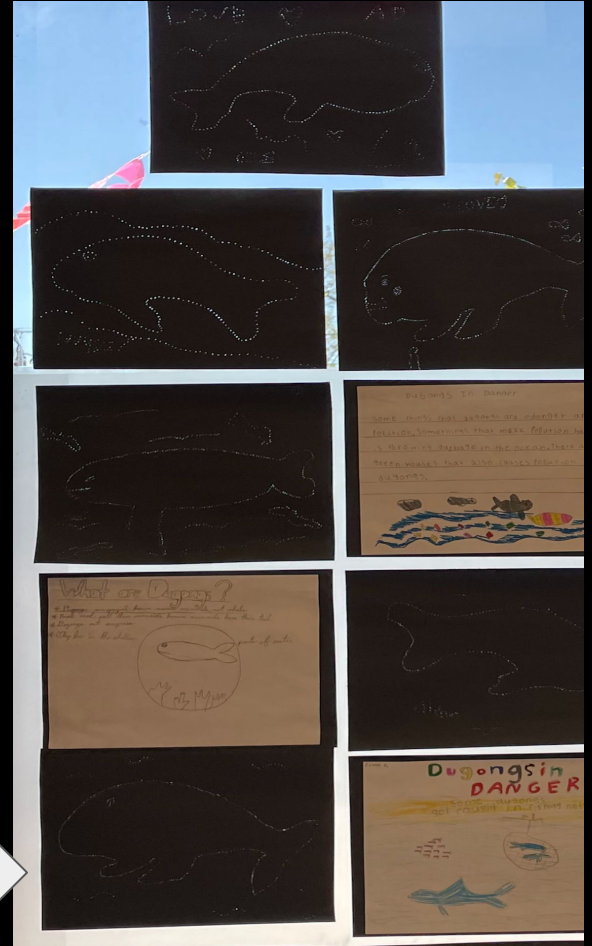


Student Work - Luminaires

Examples of Student work



Student Work - I see the light

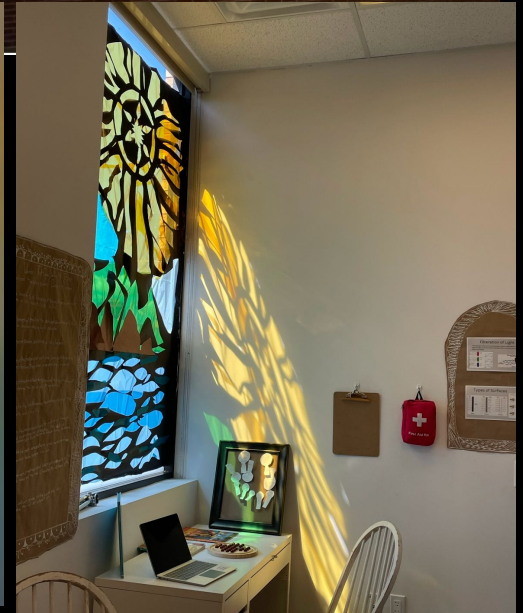


My favorite things

Save the dugongs
... don't let them
disappear

Student Work - Stained Glass

Ode to the Earth



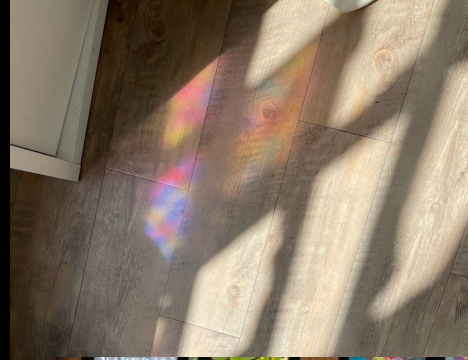
Draw or trace

Cut with
exacto knife

Lay down and
paste Cellophane

Enjoy and study
movement of reflection

Student Work - Geometric Stained Glass Panels



Trace geometric pattern on scraps of lamination sheets,
color design with Sharpie, place on window, study
phenomenon by observing reflection

Student Work - Moving Mirrors

