

LUMEN



Bilingual travelling exhibition



1500 ft²



Families and general public



Educational program

AN ENLIGHTENING EXHIBITION !

A latin word meaning light, the lumen is also the measuring unit of its power, as perceived by the human eye.

- What is light?
- Where does it come from?
- What is the purpose and uses of light?

The exhibition sheds light on these questions.
It's yours to see!



IN THIS IMMERSIVE AND EXPERIENTIAL EXHIBITION, LIGHT IS UNVEILED

Light is an electromagnetic wave, as are microwaves or x-rays. Its distinctive feature is blindingly obvious, it's visible!

Come and see light under all angles and analyze its behaviour by handling different light sources and obstacles. Let yourself be dazzled by the magic of refraction and discover polarization!

Light can come from a natural source, like the sun, or from an artificial one, invented by humans. It often emanates from an incandescence phenomenon, linked to hot temperatures.

It's also sometimes the result of an electron returning to its fundamental energy state.

Light is a complex thing! Let's brighten

THE EXHIBITION HAS 4 ZONES

Three zones each answer one of the following questions:

- What is light?
- Where does it come from?
- What is the purpose and uses of light?

Visitors will find the answers through various interactive elements.

The last zone, the Luminous Heart, brings enthusiasm and creativity; visitors become their own shadow!

SEE!

Many philosophers from the Antiquity believed that eyes emitted light, allowing us to see. This theory was replaced by that of light reception by the eyes, thus explaining why one couldn't see in the dark! To be able to see, the eyes let the light come in. Put on the virtual reality helmet and follow the light's path into the eye!



WHAT IS THE PURPOSE OF LIGHT?

Light controls our biological rythm;

It is the energy source of plants and phytoplankton;

In astronomy, it allows the exploration of the universe;

It is at the basis of photography and the movie industry.

Light transformed our lives. Discover some applications of photovoltaic cells, lasers, optical fibre and diffraction grating. With these interactive elements, you'll see light more clearly!

Contribution

Canada



LES APPARTEMENTS
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INFORMATION

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