

V5. LIGHT

INSTRUCTIONS: TASK 13

STEP 1- Watch & listen to this video:

<https://www.dropbox.com/s/87r34oiay83prwj/5PRI-SCIENCE-Task%2013.mp4?dl=0>

STEP 2- Read the slides of this PDF again

STEP 3- Do the **activities** at the end of this document

STEP 4- Do the **experiment** at the end of this document

WHAT IS LIGHT?

LIGHT IS...

Radiation that we can see with our eyes.



It's made up of microscopic particles that travel in waves.

Light travels in straight lines.

LIGHT FROM THE SUN IS USED TO...

See (during the **day** and at **night**)

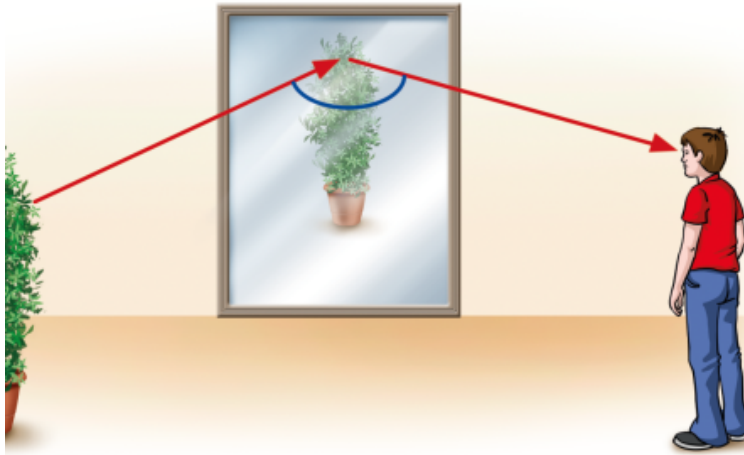
Produce electrical energy with **solar panels**

Enables to see things on television and computer **screens**



HOW DOES LIGHT TRAVEL?

REFLECTION



The light travels in a straight line and the surfaces changes the light direction.

REFRACTION



The light energy changes direction slightly in water & causes an optical illusion.

HOW DO DIFFERENT OBJECTS
REACT TO LIGHT?



This glass is **TRANSPARENT**: it doesn't block light.

This object is **OPAQUE**: it blocks the light completely.

The curtains are made of a **TRANSLUCENT** material: they block some light, but some light passes through the material.



Light is also transformed into **HEAT**

ACTIVITIES: TASK 13

ACTIVITIES TASK 13

STEP 1- Do the digital **CLASS BOOK** activities:

- 5 DIGITAL **CLASS BOOK** > Module 2 > 5 Heat and light> What is light and how do we use it > Read and listen to page 26 & 27
- 5 DIGITAL **CLASS BOOK** > Module 2 > 5 Heat and light> What are the basic laws of light> Read and listen to page 28 & 29

STEP 2- Do the digital **ACTIVITY BOOK** activities:

- 5 DIGITAL **ACTIVITY BOOK** > Module 2 > UNIT 5> What is light and how do we use it > Do activities of LESSON 4 & LESSON 5

EXPERIMENT TASK 13

Let's experiment with **LIGHT!**

Watch the following video:

<https://www.ccma.cat/tv3/super3/dinamiks/el-calidoscopi/video/5540638/>



If you do the experiment, don't forget to send some **pictures** to your Science **teachers!**



ANY QUESTIONS?

5th A & B: fcps.marta.guasch@stjosep.com

Zoom → Wednesdays at 12h

<https://us04web.zoom.us/j/76297795547>

5th C: fcps.mariajose.perez@stjosep.com

Zoom → Wednesdays at 11h

<https://us04web.zoom.us/j/73648431206>

