**Class 2. SECOND AND THIRD LIGHT PROPERTIES.**

**Hello Boys:**

During this class you will learn the second and third properties of light. LIGHT CAN BE REFLECTED AND ABSORBED. You will do an experiment!

**You need:**

* Your notebook.
* Your pencil case.
* A glue stick.
* Index cards.
* A piece of plasticine
* A flash light or laser pointer
* A Mirror
* **Aluminum foil**
* **White paper or surface**
* **Coloured Paper or surface**
* **Black Paper or surface**

If you print this worksheet paste it in your notebook, if not just write the answers in your notebook.

Remember to organize your materials and space to work in a more efficient way!

**PROCEDURE:**

1. Predict which of the following materials will be good reflectors. (aluminum foil, white paper, black paper, coloured paper, and a mirror) Write down your predictions here: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. Set up an index card on a lump of modeling plasticine.

3. Place a small mirror in another lump of plasticine.

4. Shine the flashlight on the mirror and make an observation about what happened to the index card.

5. Repeat steps 3 and 4 replacing the mirror with other surfaces.

6. Write your observations completing this chart.

|  |  |
| --- | --- |
| Surface | What happens with the index card? |
| Mirror |  |
| White paper |  |
| Aluminium foil |  |
| Coloured paper |  |
| Black paper |  |

7. What surfaces reflected the light? What do they have in common?

The light was reflected by the mirror, the white paper and the aluminium foil. These surfaces are clear and shiny.

8. What materials absorbed the light? What do they have in common?

The light was absorbed by the coloured paper and the black paper. This surfaces are dark.