**Class 1. FIRST PROPERY OF LIGHT**



**Hello Boys:**

During this class you will learn the first property of light. LIGHT TRAVELS IN STRAIGHT LINES.

**You need:**

Your notebook, your pencil case, a glue stick, and a good connection to the internet to watch a video.

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

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

**LET´S START!**

1. **Watch the video:** Light travels in a straight line. <https://www.youtube.com/watch?v=7ooBbUbmbJg> (2:02 minutes)
2. **Answer the following questions (IM1 and IM2)**

**Why can light be seen through all the index cards?**

1. Because the index cards holes are lined up.
2. Because the girl has a powerful torch.
3. Because light travels in a straight line.
4. Because the index cards are transparent.
5. A and C
6. B and D

**Why can´t light be seen through all the index cards?**

1. Because the index cards are opaque objects.
2. Because the index cards´ holes are not lined up.
3. Because light travels in a straight line and is stopped by opaque objects.
4. All of the above.

Wh**at does the experiment prove about the path light travels?**

1. Light travels in a straight line.
2. If light finds an obstacle it will curve and go around it.
3. Opaque objects cannot stop light.
4. The index cards´ holes need to be lined up.

**What would happen if the holes were smaller? (C1)**
 a. Light would continue to travel in a straight line but in a thicker path.

 b. You would need a bigger torch.

 c. Light would continue to travel in a straight line but in a thinner path.

**Explain in one sentence what did you learn through this activity.**

Light travels in straight lines.