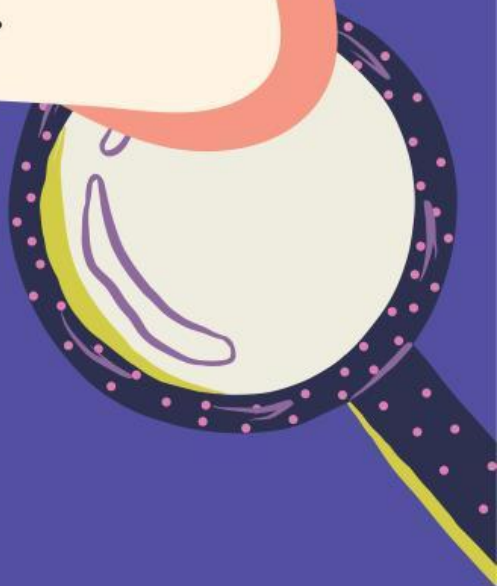
Science Experiment

Names of group members

1. .....
2. .....
3. .....
4. .....
5. .....
6. .....



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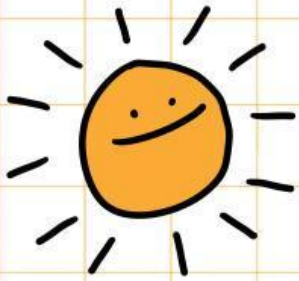
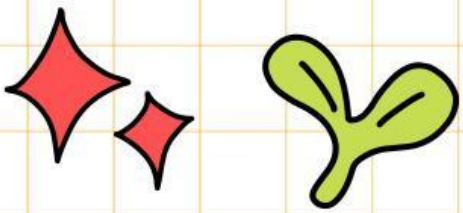
EXPERIMENTAL GOALS

IDENTIFY AND REPORT EXPERIMENTS ON THE PROPERTIES OF LIGHT AND THEIR RELATIONSHIP TO THE SENSE OF SIGHT IN EVERYDAY LIFE

Tools & Materials

- Clear glass
- Flashlight
- Flat mirror
- Pencil
- Thick book
- cardboard measuring 15 X 15 cm





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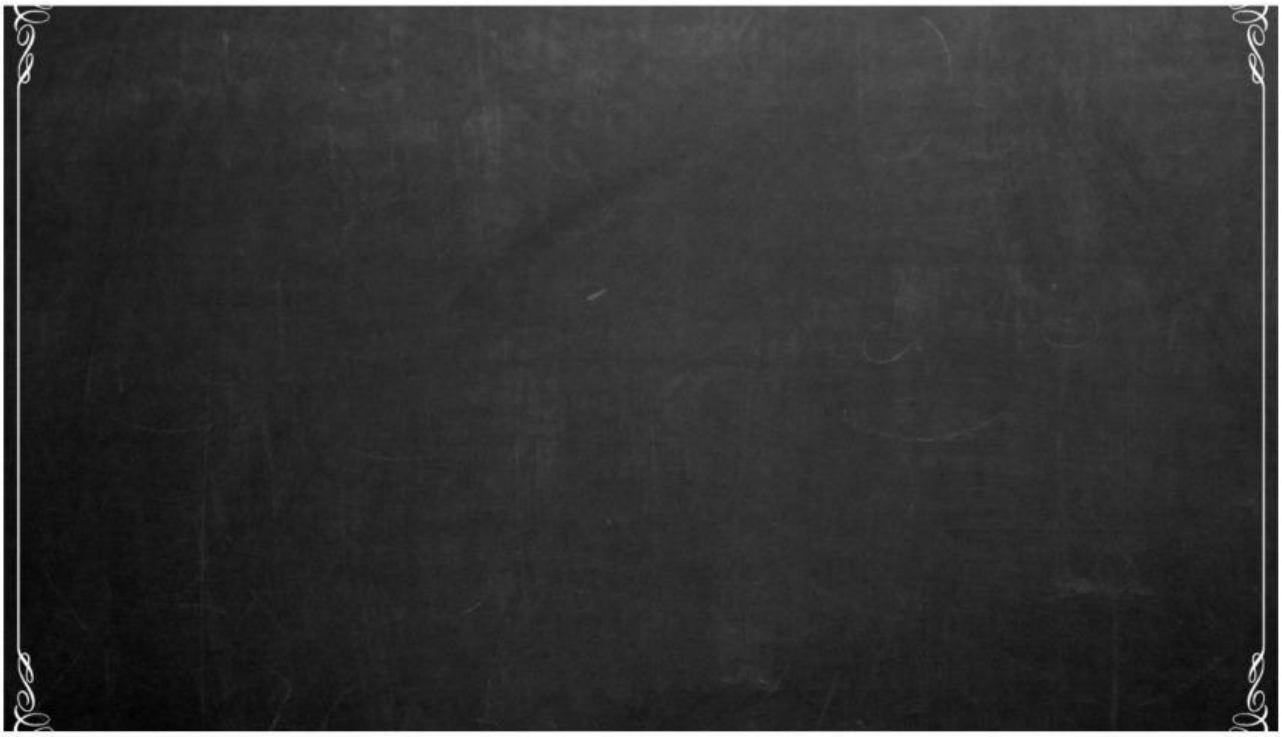
Watch this vidio !



Do the activities below as in the video!

Step 1 : activity using 3 cardboard boxes and flashlight

1. Make a hole in the middle of the three boxes
2. Place the three cardboard boxes in parallel holes in front of the wall and then shine the light from the flashligh
3. Pay attention to what happens and note the difference if the holes are arranged parallel to the holes

Step 2 : Use clear objects and dark objects

1. Place the glass in front of the wall and shine a flashlight at the glass then look at the wall
2. replace the glass with a thick book and shine the flashlight at the book then look at the wall
3. observe the difference

Step 4 : Use a glass filled with water

1. Fill the glass with water up to half a glass
2. Put the pencil into the glass
3. Observe the pencil and the part of the pencil that is dipped in water

Step 3 : activity using flat mirror

Shine a light on the mirror and observe what occurs

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OBSERVATION RESULT

Activity 1

Can you see the light on the wall through the cardboard gap? .....

If you move one of the boxes, you can still see the light on the wall? .....

Activity 2

Which objects can light penetrate? .....

Objects through which light penetrates are called objects? .....

Activity 3

What happens if light is directed at a mirror?

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Activity 4

What happens after the pencil is placed in water?

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the size of a pencil under the surface of the water ..... compared to the size of a pencil above the water

conclusion

Activity 1 demonstrates the characteristics of light .....
Activity 2 demonstrates the characteristics of light.....
Activity 3 demonstrates the characteristics of light.....
Activity 4 demonstrates the characteristics of light.....

reflection

what can you get in today's learning for everyday life?

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