

5. 3D

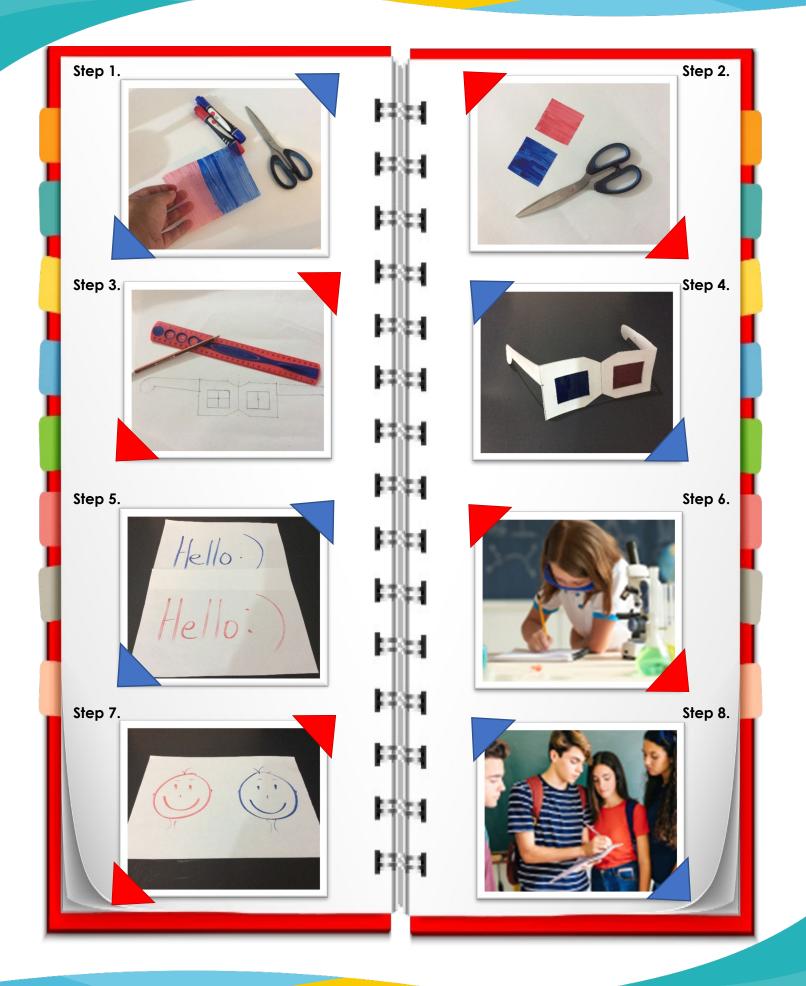
Topic:	Optics	
Objective:	Student will observe the effects of o	ptics on the 3D lenses that are usually happens with colours and the effects of
Vocabulary	making a two-dimensional drawing in lenses, dimensional, cardboard, 2D, 3	to a three-dimensional one.
Vocabulary:		
Materials:	- A piece of cardboard	- A blue permanent marker
	- A transparent lid or acetate	- Scissors
	- A red permanent marker	- A glue stick

Development:

• Read and look at the pictures.

- **Step 1.** Colour half of the acetate or lid with the red marker and the other half with the blue one.
- **Step 2.** Cut out two squares for the lenses (one blue and one red).
- **Step 3.** Draw on the cardboard a glasses-frame and cut it out leaving the spaces for the blue and red lenses glue the lenses to the frame.
- **Step 4.** Fold the lines of the cardboard frame and make the glasses.
- **Step 5.** On a sheet of paper, write a message with a blue marker and a different message with red marker.
- **Step 6.** Write down what you observe by looking at each of the colour writings separately.
- **Step 7.** Make a drawing with a blue colour and next it, make the same drawing with a red colour observe with the glasses on.
- **Step 8.** Write down what you noticed and discuss with your classmates why this effect happens.





Tell us...

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Read and answer the questions.

- 1. How many markers did you need for the project?
- 2. What colour was the cardboard that you used?
- 3. What did you use the glue stick for?
- 4. What colours do the 3D glasses have?
- 5. How did the drawings look with the 3D glasses?



	3D
	50
	Glue your
	picture here
	:)
1)A/b add	
	r favourite part of the project?
2. What, exactly,	did you like the most?
2. What, exactly,	did you like the most?
	did you like the most? what you observed during the project.
3. Extra notes on 4. Can you see o	what you observed during the project or apply the information from the project in real life? YES / NO
3. Extra notes on 4. Can you see o Explain:	what you observed during the project or apply the information from the project in real life? YES / NO
 3. Extra notes on 4. Can you see o Explain: 	what you observed during the project or apply the information from the project in real life? YES / NO
 3. Extra notes on 4. Can you see a Explain: 5. Was it easy to 	what you observed during the project or apply the information from the project in real life? YES / NO get the materials for the project? YES / NO
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