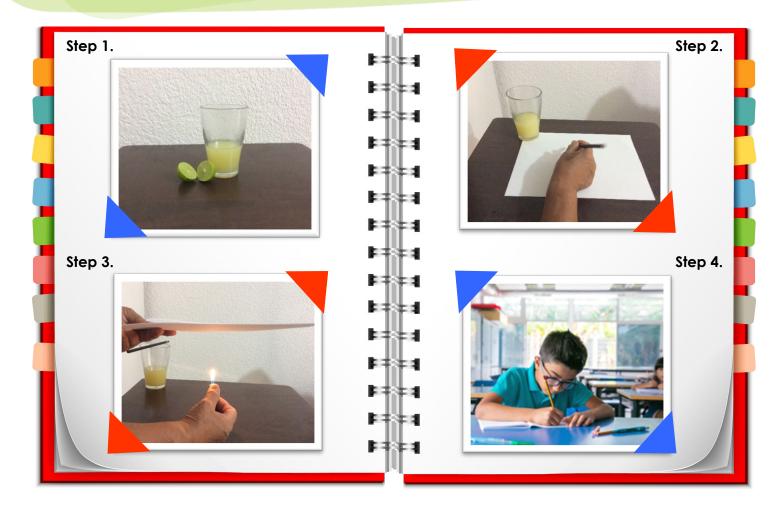


9. Invisible ink

Topic:	Optical illusions and heat
Objective:	Student will learn what an optical illusion is and describe what heat can do.
Vocabulary:	optical, illusion, heat, dry
Materials:	- 1 lemon
	- 1 paint brush / erase (of a pencil)/ toothpick
	- White paper
	- 1 small candle / lighter (You can also use a clothing iron)
	- A cup

Development:

- Read and look at the pictures.
- **Step 1.** Squeeze the lemon juice in the glass.
- Step 2. With the brush, take a little lemon juice and write the message on the paper.
- **Step 3.** Let the message dry once completely dry, check there is nothing written and you can give it over a friend. The friend that receives the message uses a candle lit or a lighter to heat the paper with the message pass the paper over the candle without touching the fire and observe.
- **Step 4.** Explain how the message starts to appear.



Tell us...

Look, read and write the words.

- 1. If things are like this, you cannot see them.
- 2. You use it to paint.
- **3.** It is the opposite of cold.
- 4. They are wax-bars that can be lit.
- 5. This is a type of writing people do and send.
- 6. Notebooks contain these.



hot



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a paint brush



paper sheets



invisible



candles



a letter



Glue a picture of your pr	roject finished!
	Invisible ink
	Glue your
	picture here
	:)
1. What was your favouri	ite part of the project?
	· lites the meat
2. What, exactly, did you	
3. Extra notes on what yo	ou observed during the project.
4. Can you see or apply	the information from the project in real life? YES / NO
	materials for the project? YES / NO