

# Invisible Ink Experiment Lesson Plan



# Invisible Ink Experiment

(Teacher Notes)

**Safety:** N/A

**Materials:**

- ½ of Lemon
- Water
- Spoon
- Small bowl
- Cotton swab
- White paper
- Lamp or any other light bulb (heat source)

**Teacher Procedure:**

1. Squeeze lemon juice into a bowl and add few drops of water.
2. Mix the lemon juice and water with spoon.
3. Help students dip the cotton bud into the solution and write any message on a white piece of paper.
4. Instruct for students to wait for the lemon juice to dry until it becomes completely invisible.
5. Once the students are ready to read or show their secret message, help them heat their papers by holding a light bulb close to the paper.

**SCIENTIST  
Name:**

\_\_\_\_\_

**EXPERIMENT  
DATE:**

\_\_\_\_/\_\_\_\_/\_\_\_\_

# Invisible Ink Experiment

*Make an invisible ink with sour lemon juice so that you can keep your secret messages and codes hidden from others!!!*



Hi guys! My name is Owl the Scientist. Today we will use lemon to write secret messages~



Dear \_\_\_\_\_,

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Love, \_\_\_\_\_



Since the lemon juice is acidic (acid tastes sour) it weakens the paper where you have used the ink. Therefore, when you shine a light on the paper the lemon juice burns and turns brown before the rest of the paper, which reveals your secret message!

