

## **Lesson Plan: Invisible Ink!**

**Area:** Forensics

**Age Group:** 2<sup>nd</sup>-3<sup>rd</sup> Grade

### **Supplies Needed:**

- Vinegar/Lemon juice
- Toothpicks/Paintbrushes
- Paper
- Heat source

### **Introduction:**

- Ask students what chemicals are, where they are found in daily life
- Ask students what a chemical reaction is and examples of them
- Explain how chemical reactions are occurring everywhere at any time and any place

### **Demonstration:**

- Using the toothpick/paintbrush, write a message on a piece of paper with invisible ink
- Wave piece of paper over heat source and the secret message should appear!

### **Directions:**

- Each student will have a toothpick/paintbrush and some of the invisible ink
- Have students use toothpick and paintbrush to write a secret message or draw a special picture on a piece of paper
- Let it dry
- Have each student wave their piece of paper over the heat source
- The secret message should slowly appear and they can take it home with them!

### **Follow-up:**

- Ask students what caused the message to appear
- Any other normal chemical reactions like this?
- Are there any other methods for making the message appear?

**Source:** <http://www.canteach.ca/elementary/physical11.html>