



## SfS Away from the Classroom!

### AP22: Fingerprinting (Recommended for Grades 3-6)

**Please use the following resources to learn about fingerprinting!**

**Watch this Video:** <https://www.youtube.com/watch?v=WZL7OpFq0fw>

#### **Answer these questions:**

- When are fingerprints formed?
- The general shape of fingerprints are genetic. What makes fingerprints unique?
- What can fingerprints tell you?

**Activity:** Follow these directions to take your own fingerprints and analyze them.

You will need:

<ul style="list-style-type: none"><li>• Colored paper</li><li>• Graphite pencil</li></ul>	<ul style="list-style-type: none"><li>• Clear packing tape</li><li>• Your fingers</li></ul>
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1. Use the pencil to make a very black surface on the paper.
2. Rub the fingertip you want to 'print' hard on the paper until it's all black.
3. To lift the print, place a piece of tape over the fingertip, rub it and then gently lift the tape off.
4. Place the piece of tape on a clean piece of paper to see the print.
5. Compare your fingerprints to others in your family to see how unique they are!

Use this [fingerprint analysis](#) guide to see what shape your fingerprint is and try your hand at fingerprint analysis!

**Watch this video if you need help with the activity:**

[AP22 Fingerprinting.mp4](#)

#### **Make observations & use Claims, Evidence, and Reasoning!**

1. **Claim:** All fingerprints are unique.
  - **Evidence:**
  - **Reasoning:**
2. **Claim:** Fingerprints can be used to identify individuals.
  - **Evidence:**
  - **Reasoning:**

