



# Spy Lab

K-5 Theme Week

Spies collect fingerprints.

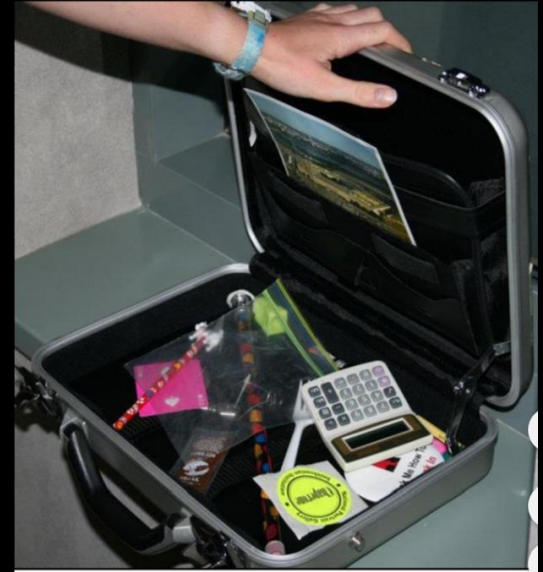
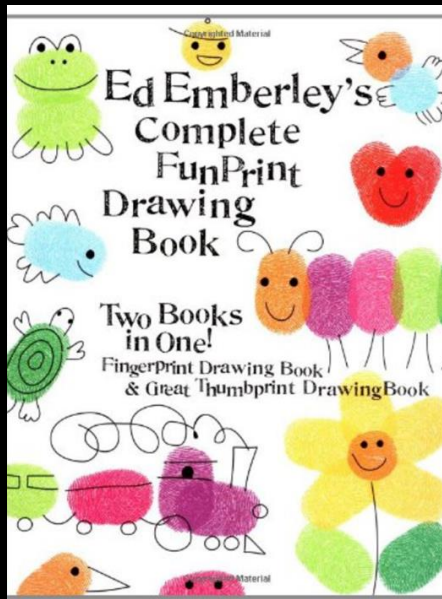
What can you draw from  
fingerprints?

## Activity Instructions

Materials: paper  
ink or paint  
pen

Directions:

1. Cover finger with ink.
2. Push finger onto paper.  
\*can be vertical or horizontal
1. Draw features to create  
animals and other fun images.



Mind Memory Activity

[Click here](#) for spy  
instructions!



Arch Fingerprint



Loop Fingerprint



Whorl Fingerprint

# THE SCIENCE BEHIND FINGERPRINTS

## Why are fingerprints important?

### Family Fingerprinting

#### Materials:

- One soft-leaded pencil
- Transparent tape

#### Time needed:

About 30 minutes

#### Directions:

1. Rub pencil lead on a piece of paper to create a 3 cm<sup>2</sup> "inkpad."



2. Rub your finger pad onto the lead square, covering the entire area until the joint.

3. Press a piece of clear tape onto the leaded pad of your fingertip.























4. Lift off the tape—be careful not to touch the print—and place the tape onto its proper square on the graph.

5. Have three friends or family do the same.



6. Investigate the fingerprints and label each one "W" for whorl, "A" for arch, "L" for loop, or "M" for a mixture in the small box next to each fingerprint.

	Thumb	Index	Middle	Ring	Pinky
Me					
Individual 1					
Individual 2					
Individual 3					

### Questions:

1. What do you observe?
2. Who has loops, whorls, and arches?
3. Does anyone have a mixture?
4. What is the most common type of fingerprint in your group?
5. Can you find differences in the fingerprints that seem similar?



## Books to Explore



What can you learn about being a spy? Click on links above to login. Ask your school librarian for username and password.

Digital eBooks and Audiobooks from Sno-Isle (Click on Picture to check them out!) [Get Library Card](#)

Click to return to digital summer reading resources.

# Reading, Writing and Math

Check out the activities by grade below to support summer learning!

***Wild About Learning*** activities can be repeated and practiced in any order.



**Kindergarten**

**Third Grade**

**First Grade**

**Fourth Grade**

**Second Grade**

**Fifth Grade**

# Links to Explore

[\\*How to make invisible ink](#)

[\\*Use Ciphers to plan a scavenger hunt](#)

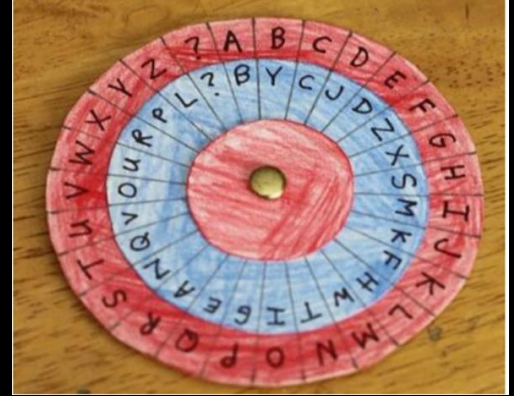
## Science Links:

[Fingerprinting Activity Video](#)

[STEM Day: Who Dunnit?](#)

[Dusting for Prints](#)

[Biometrics Facts for Kids](#)



[Spy Decoder Wheel](#)