

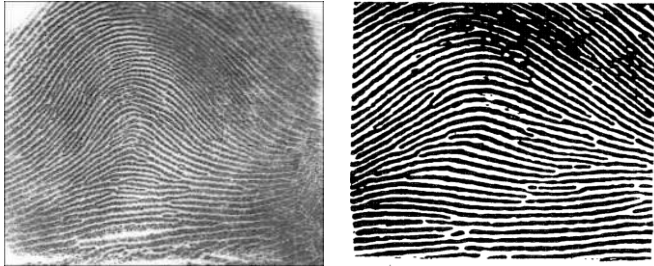
New Jersey State Park Police Detective Bureau Fingerprint Activity

Fingerprinting Fun Facts:

1. Everyone in this World has different fingerprints, even identical twins.
2. Your fingerprints start to form when you are in your mommy's tummy.
3. Fingerprint patterns stay the same throughout someone's life. As you grow, so does your fingerprint but the pattern stays the same!!
4. Your body makes sweat/oil and when you touch anything, you leave the sweat/oil fingerprint behind.
5. Detectives use fingerprints left behind by Bad Guys to identify which Bad Guy committed the crime.

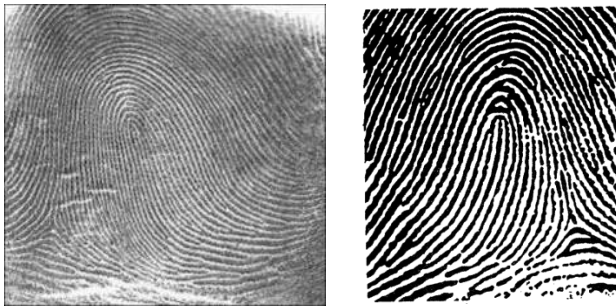
Three main types of Fingerprint Patterns:

1) Arch



- the rarest type of Fingerprint, only 5% of the world's population have this fingerprint pattern.
- creates a wave like pattern

2) Loop



- 60%-70% of the population has this pattern.
- creates a pattern that recurve back on themselves to form a loop

3) Whorl



- 25% to 35% of the population have this type of pattern.
- create a circular or spiral pattern, like tiny whirlpools

New Jersey State Park Police Detective Bureau Fingerprint Activity

New Jersey State Park Police Junior Detective Activity

You will need the following:

- a balloon
- a magic marker
- magnifying glass (optional but what Great Detective doesn't have a magnifying glass?)

1. take your thumb and color it with the magic marker
2. place your thumb flat on the balloon
3. give it a second to dry
4. blow up the balloon
5. now identify your thumb print!! Do you have an Arch, a Loop or a Whorl?

The balloon helps us enlarge the fingerprint for older detectives like me but if your Superpower is Super Eyesight, you don't need to leave your fingerprint on a balloon. You can do this activity on a piece of paper. You can also try placing your thumb in a little bit of baby powder or powdered sugar and leave your thumb print on the sticky side of clear tape!!

Now its time to Play.... The State Park Police Detective Fingerprint Game:

1. Gather your family members
2. Have everyone color their Right Thumb Print and place their thumb print on one piece of paper which will be The Family Fingerprint Code Book
3. Have your family members write their name under their thumb print
4. Now you are the Detective and you must leave the room
5. When you leave the room have the remaining family members choose a Bad Guy but don't let them tell the Detective which one is the Bad Guy
6. Have the Bad Guy leave their fingerprint on a piece of paper, on a glass or anything that Mommy or Daddy don't mind getting a little dirty
7. Now come back into the room
8. Find the fingerprint
9. Examine the Fingerprint to figure out what type of fingerprint it is (loop, whorl or arch)
10. Compare it to the Family Fingerprint Code Book D
11. Determine who is the Bad Guy!!
12. After you find the Bad Guy you can switch who gets to play the Detective and who plays the Bad Guy.

Have fun and whoever catches the most Bad Guys is a New Jersey State Park Police Junior Detective!!!