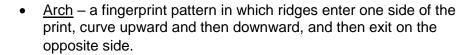


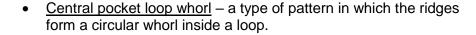
## **Vocabulary: Fingerprinting**

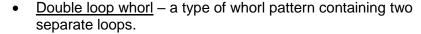


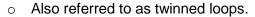
## Vocabulary

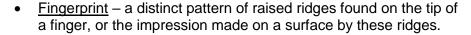
- <u>Accidental whorl</u> a type of fingerprint that includes two or more different patterns (other than a plain arch).
  - Accidental whorls include prints that do not fall into other print subgroups. They may include one or more characteristics from other patterns.

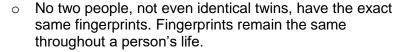


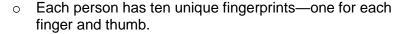












 Other animals—such as chimpanzees, gorillas and koalas—have fingerprints.

- <u>Fingerprint powder</u> a fine powder designed to stick to the skin oils that make up latent fingerprints.
- <u>Latent print</u> an invisible print formed by the transfer of skin oils to another surface.
  - Latent prints tend to form on smooth, hard surfaces such as a glass or countertop.
- <u>Loop</u> a fingerprint pattern containing ridges that enter from one side of the print and then curve around to exit on the same side of the print.



**Accidental whorl** 



Arch



Central pocket loop whorl



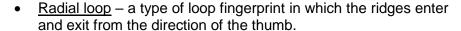
Double loop whorl



Loop

- Minutiae small details in the ridge pattern that can help in matching two prints.
  - o Some examples of minutiae include islands, bridges, lakes, and bifurcations.

- Patent print a visible print made when a finger comes into contact with a visible substance such as blood, ink, or paint. The substance on the ridges of the finger is then transferred to another surface, leaving a stamp of the print.
- <u>Plain arch</u> a type of arch containing ridges that curve gradually and do not form sharp peaks or angles.
- Plain whorl a pattern in which the ridges form concentric circles.
- <u>Plastic print</u> a visible, three-dimensional impression formed when a finger touches a soft material such as soap, clay, wet paint, or butter.



- The ridges in a radial loop come from the direction of the radius, a bone on the thumb side of the forearm.
- <u>Tented arch</u> a type of arch containing ridges that curve up sharply to form a distinct peak, like a tent.
- <u>Ulnar loop</u> a type of loop fingerprint in which the ridges enter and exit from the direction of the little finger.
  - The ridges in an ulnar loop come from the direction of the ulna, a bone on the little finger side of the forearm.
- Whorl a fingerprint pattern that contains either a series of concentric circles or a combination of other patterns.



Plain arch



Plain whorl



Tented arch