



RANDOM ACTS OF SCIENCENESS

Lesson: Fingerprinting

CURRICULUM REFERENCE: Human Organ System

LESSON OBJECTIVE

To discover the similarities and differences in every human fingerprints.

VIDEO: <https://youtu.be/l-bsyizAuew>

THE SCIENCE BEHIND

While scientists don't know exactly why we have fingerprints, they do have a few theories. They also know that everyone's fingerprints are different. While we all have unique fingerprints, they do fall into three main categories: arches, whorls, and loops.

VIDEO: <https://youtu.be/3lvrDPgljOA>



FOLLOW-UP QUESTIONS

1. Why do you think we have fingerprints? Research to see if your theories match up with scientists.
2. What type of fingerprint do you have? Arch, whorl, or loop?

LEARNING OUTCOMES

- Identify major systems in the human body (e.g., musculoskeletal system, digestive system, nervous system, circulatory system) and describe their roles and interrelationships.
- Design and build a model to demonstrate how organs or components of body systems in the human body work and interact with other components.



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Lesson: Fingerprinting

MATERIALS (PER PERSON)

- White paper
- Coloured ink pad
- Clear tape

INSTRUCTIONS

1. Place one finger onto the ink pad.
2. Then transfer that same finger onto the white paper.
3. Place a piece of clear tape over the ink still left on your finger and then stick the tape onto the white paper.
4. Examine your fingerprint and determine what type of fingerprint you have.

VIDEO: <https://youtu.be/Txj2CCYQsc8>

