

# Bowwow Barker Training 001: Fantastic Fingerprints

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## Biblical Integration

“I praise you because I am fearfully and wonderfully made; your works are wonderful, I know that full well.” Psalm 139:13-14

## Objective

Use super sleuth investigative skills to discover the type of fantastic fingerprints that God designed just for you!

## Vocabulary

- **Index Finger:** pointer finger, the finger next to the thumb.
- **Observe:** to look at something carefully, noticing details
- **Hypothesis:** a guess you make based on information you already know
- **Analyze:** to study carefully to understand why or how something works or to solve a problem
- **Data:** facts about something that can be used to calculate, reason, or plan
- **Conclusion:** a decision reached by reasoning and considering the facts about a problem

## Materials

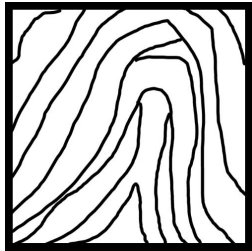
- Deflated rubber balloon
- Ink pad
- Pencil
- Data sheet

## Lesson: Fantastic Fingerprints

God created each of us with unique fingerprints that are unlike anyone else.

Because everyone's fingerprints are different, detectives often look for them at the scene of a crime to determine who is a suspect.

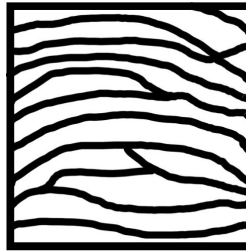
Most everyone's fingerprints fall into one of three categories:



Loop



Whirl



Arch

Today, you will use a few materials to identify your fingerprint type and compare it to a friend or family member.

### Procedure

- #1. Make sure your hands are clean and dry. Use either the left hand or right hand.
- #2. Using the images above, answer the first question on the data sheet. (Found at the end of this lesson).
- #3. Next, observe the bottom of your index finger and fill in your hypothesis on the data sheet. "I think my fingerprint is in the \_\_\_\_\_ category."
- #4. Now it's time to test your hypothesis! Lay the deflated balloon on the work surface and make sure it is flat.
- #5. Open the ink pad and place your index finger on the ink pad, fingerprint side down. Roll your finger from side to side to apply ink to a large portion of your fingertip.
- #6. Gently remove your finger from the ink pad and gently place it on the balloon. Press firmly, but do not roll your finger around on the balloon. Carefully remove finger from balloon.
- #7. Have an adult blow up the balloon and tie it so that it does not deflate.
- #8. Analyze data and form a conclusion. Observe the balloon where the enlarged fingerprint sits. Which of the three categories of fingerprints does your fingerprint match most closely? Record your answer on the data sheet.

#9. Next, use the ink pad and fingerprint record strip to record each fingerprint of all five fingers of one hand.

#10. Have a friend or family member repeat step 8 on the other fingerprint strip. Compare your fingerprints to theirs. Are they similar? Are they different? Why are your fingerprints similar or different from the other set?

#11. Read the Bible verse together. How has God made you unique?

*Congratulations, Bowwow Barkers! You've completed your first at-home training and earned your first badge. Print it out and paste in your case book.*



## Data Sheet

- 1) What are the three main categories of fingerprints?
- 2) **Hypothesis:** When I observe my fingerprint, I think it will be in the \_\_\_\_\_ category.
- 3) **Analyze** your **data** and form a **conclusion**. Which category does your fingerprint match? Circle your answer.

Whorl                  Loop                  Arch

## Fingerprint Record Strip

L Thumb	L Index	L Middle	L Ring	L Pinkie
R Thumb	R Index	R Middle	R Ring	R Pinkie