Name:	Per:	Date:	

## Unit 7: Impression Evidence: Shoe Prints



By the end of this section of the unit, you will be able to:

- Discuss the different collection methods use and the importance of each step
- Analyze the different walking patterns of individuals
- Examine and analyze your own shoe prints
- Determine the relationship between height and shoe size
- Match different partial footprints based on distinguishing factors

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	ocabulary
•	Impression:
•	Casting:
•	Wear Patterns:
•	Tread Patterns:
•	Gait:

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	, which involves using der	ntal stone		
or a s	similar substance to			

Casting Footwear Impression Video Questions: https://www.youtube.com/watch?v=mquyNZaNbPo

- 1. Why do you think is it necessary to photograph the footwear impressions BEFORE you case them?
- 2. What purpose does the scale (the white L shaped object) serve?

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- 3. Why do you think it is important to pour the cast over more than just the visible impression?
- 4. Why do you think it is important to wait the 30 minutes before even attempting to move the impression?

## **Show Print Evidence**

- Investigators can analyze a shoe print to determine its class, or the of shoe.
- Databases of shoe prints are available for investigators to help them determine the brand of shoe to provide leads for a case.
- Depending on the quality of the impression, investigators may be able to determine a person's speed (\_\_\_\_\_\_\_\_\_) as well as estimate the \_\_\_\_\_\_\_ based on the impression's depth.
- Features to analyze:
  - o Tread patterns, size, and depth
  - Wear patterns caused by the way a person walks
  - Material defects or damage (nicks, cuts, etc.)
  - Other trace materials, such as soil, tar, rocks, and paint that would indicate where a person has been

