



Activity 8: Shoe Mix and Match

What kind of information can we get from shoe prints?

Hypothesis

What is the relationship between the size of a person's shoe and his or her height?

(Your answer is a hypothesis.)

Materials

- three or more volunteers and their shoes
- crayon
- measuring tape
- plain white paper
- **ADLC Digital Lesson on Impression Evidence**
<https://adlc.wistia.com/medias/u5levsycf2>

Procedure

1. Measure the height of the person using a measuring tape and record this on your data table.
2. Measure the length of the foot along the bottom of his or her shoe and record it.
3. Place a blank piece of paper on the bottom of the shoe. Holding a crayon sideways, rub the crayon over the sole of the shoe to make a rubbing of the shoe tread pattern. (This does not have to be the whole shoe.)
4. Now check your rubbing for signs of wear, a logo or manufacturing detail, and a unique tread pattern. Record your observations.
5. Repeat steps 1 to 4 for the other volunteers—including yourself.

Observations Table

Shoe Evidence Collected			
Name	Height (cm)	Foot Length (cm)	Other observations from shoe tread Need a Hint? - Does the shoe tread show a lot of wear, or does it look new? - Is there a logo or special design? - Is one part of the shoe more worn than another is?

Conclusion

1. Return to the hypothesis you made at the beginning of this activity. Is your hypothesis correct?
2. Based on your observations, what is the relationship between shoe size and a person's height?