

# Advancements in Shoe Technology

GRADES 6-8

Shoe	Observations with numbers	Observations with words	Inference about why there was a design change
			
			
			
			
			

1. What would you consider the single greatest advancement in basketball shoe technology in the last 100 years? Why? Explain.

2. Hypothesize why basketball shoes have changed more in the last 45 years (1972 – present) than they did the previous 60+ years (1910 to 1972).

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3. Do you think high-top shoes reduce ankle injuries compared to low-top shoes? Why? Explain.

4. For many athletes, Converse Chuck Taylor sneakers lasted an entire season, if not more. Now most players change their shoes every week, if not every day. Explain.

Brainstorm three designs that improve shoe technology to increase performance and decrease injury.

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Select your best design: Use your observations and inferences from the shoe advancement data table to justify why your design will increase performance and decrease injury.