

# The Stick & Puck

GRADES 6-8

## Explain

Using the article, video, and classroom discussion, complete the following criteria and constraint table.

Criteria	Constraints

## Elaborate

Using the rating system of 1 - 5 (1 = Best; 5 = Worst), have students rate which ball/puck was easiest to control and release with the hockey stick and explain why.

Ball/Puck Type	Rate: 1 - 5	Reason for rating
Golf ball		
Ping Pong ball		
Tennis ball		
Hockey puck		

Name: \_\_\_\_\_

Class: \_\_\_\_\_

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Using the rating system of 1 - 5 (1 = Best; 5 = Worst), have students rate which ball/puck was easiest to control and release with the below bat/stick and explain why.

Bat/Stick Type	Rate: 1 - 5	Reason for rating
Baseball/ Softball bat		
Golf club		
Tennis racket		
Hockey stick		

Based on evidence from the article, video, and your experiment, write a claim and support it with evidence and reasoning: Explain how and why the hockey stick controls and releases each ball type differently and why the hockey puck behaves differently when using a baseball/softball bat, golf club, tennis racket, and hockey stick.

**Claim:** How did the evolution of the hockey stick and hockey puck become a design that handles and controls its intended sport effectively?

**Evidence:** Using your data, explain why your claim is supported.

**Reasoning:** Justify your response.

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## Evaluate

1. What were some constraints of the first hockey stick and puck? Why do you think participants felt they needed to make a change?
2. How has the structure of the hockey stick and puck changed over time? What drove this change?
3. How have the materials of the hockey stick and puck changed over time? How do you think the use of natural materials versus synthetic materials impacted play?
4. What was the purpose of this article? Provide evidence from the text to support your claim.
5. Do you think there will be future changes to the game of hockey? If so, what changes do you foresee being made and why?