

# Little Sharpshooter

**Applicable Age Group** 5-6 year-old toddlers

- Activity Objectives**
- ☑ Understand the basic structure of bows and arrows and the method of shooting.
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**Activity Description** Hold a shooting competition with children using self-designed bows and arrows. When drawing the bow to shoot, observe the deformation of the rubber band to understand the change in elastic force. Control the strength by adjusting the rubber band. The structure of the bow is relatively difficult to build; children can refer to online pictures or videos for simulation during construction.

## STEAM Literacy Development Indicators

Method Indicator	Situation-based introduction: Understand the structure of a bow and arrow	Design a sturdy bow and arrow	Observe rubber band deformation to understand elasticity	Organize an archery competition
Curiosity and Imagination	●			
Flexibility and Adaptability		●		
Verbal and Written Communication Skills				
Cross-boundary Cooperation and Exemplary Leadership				
Critical Thinking and Problem-solving Skills			●	
Proactive and Pioneering Spirit				●
Ability to Evaluate and Analyze Information				



### Interactive Tips

- Pay attention to the connection method between perforated blocks and axles during construction to ensure the arrow can be shot out.
- Do not stretch the rubber band too tight when attaching it to avoid hurting children due to improper operation.
- The deformation of the rubber band generates a strong force; guide children to observe and feel this force while operating.

 **Find These Blocks**



 **Choose Rubber Bands as Bowstrings to Build Bows and Arrows**

