

Happy Puppy

Applicable Age Group 5-6 year-old toddlers

- Activity Objectives**
- ☑ Understand belts and belt transmission.
 - ☑ Learn the driving method of belt transmission.

Activity Description Design a happy puppy with children. The puppy's eyes can rotate—use two belts to connect one eye and the nose respectively. When the nose is turned, observe that the eyes rotate in the opposite direction, making the puppy look playfully cross-eyed. If you want to adjust the rotation direction of the eyes, you need to twist the belt into an "8" shape. Through this process, children will understand how belt transmission works.

STEAM Literacy Development Indicators

Indicator	Method	Story-based introduction: Confirm the mechanical structure to be used	Build a dog model using belt transmission	Test the direction of belt transmission	Further explore the direction of belt transmission
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

- Install the belt last; first build the puppy with a complete structure, and make sure to position the nose and eyes correctly.
- Since belts need to be connected, ensure both the eyes and the nose have pulleys—this is necessary for installing the belts.

