

# Elevator Going Up

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

- Activity Objectives**
- ☑ Understand the process and working principle of the elevator going up and down.
  - ☑ Learn about and apply the characteristics and functions of pulleys or reels.

**Activity Description** How does the elevator we take every day to go up and down actually work? Build an elevator model using pulley or reel structures. Let children operate the elevator to make it go up and down by hand, helping them understand the elevator's working process and more intuitively grasp the functions of pulley devices or reels.

## STEAM Literacy Development Indicators

Method Indicator	Situation-based introduction: Understand the operation process of an elevator	Build an elevator using a reel	Test the elevator's stability and safety	Knowledge extension: Learn safety rules
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

- Pulley structures have been used in previous activities; this activity can use reel structures. Demonstrate how to connect reel structures, as well as their characteristics and functions.
- Since the elevator car itself is relatively heavy, the supporting structures on both sides must be stable enough.
- When installing the reel, pay attention to the length of the rope itself to ensure the elevator stays stable when it goes down to the lowest point.

