Tightrope Walker

Applicable Age Group 5-6 year-old toddlers

Activity Objectives

☑ Further explore the functions and applications of pulley structures.

☑ Recognize the basic structure and function of pulleys, and understand their applications in daily life.

Activity Description

Explore pulley structures with children. The activity revolves around the theme of "tightrope walkers". During the hands-on building process, children will not only learn the basic structure and function of pulleys but also deeply understand the importance of balance and stability.

STEAM Literacy Development Indicators

Method / Indicator	Analyze the structure of a tightrope walker	Build a model using pulleys	Understand the application of pulleys in daily life	Create stories to improve oral expression skills
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

- Explain how to use pulley blocks to build a "tightrope walker", including the installation position of pulleys, the fixing method of ropes, and the balance adjustment of the figure (built with blocks).
- Provide circuit guidance to help children solve problems encountered during the building process, such as unstable pulley installation and rope tension adjustment.

Find These Blocks

Build a Tightrope Walker Using Pulley Structures