

Fair Balance Scale

Applicable Age Group 5-6 year-old toddlers

- Activity Objectives**
- ☑ Understand the structure and characteristics of swings.
 - ☑ Explore the dynamic balance structure of swings through hands-on practice.

Activity Description Explore swings in daily life with children. Those who often play on swings know that to swing higher, the pusher needs to use more force—this is called a larger swing amplitude, and the swing takes longer to stop. This activity allows children to experience this principle and design a stable swing structure by themselves.

STEAM Literacy Development Indicators

Method	Review the content and application of the lever principle	Design a balanced scale	Weigh building blocks to understand equal weight	Understand the concept of a fair scale
Indicator				
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

- A balance scale is an equal-arm lever. The fulcrum must be placed in the middle to ensure that the two arms are of equal length.
- The blocks used and built on both sides of the fulcrum should be symmetrical to ensure the structural balance of the scale.

Find These Blocks



Build a Balance Scale Using a Lever Structure

