

Fun Balance Scale

Applicable Age Group 3-4 year-old toddlers

Activity Objectives

- ☑ Experience symmetrical structures and explore the principle of balance.
- ☑ Understand the process of dynamic balance through observation and experiments.

Activity Description

Play a fun balance scale game with children. Observe that the bottom of some building blocks has a curved shape—when blocks are placed on both sides of the balance scale, it will tilt. To restore balance, the two sides need to be symmetrical. During this process, children will explore the relationship between symmetry and balance.

STEAM Competence Development Indicators

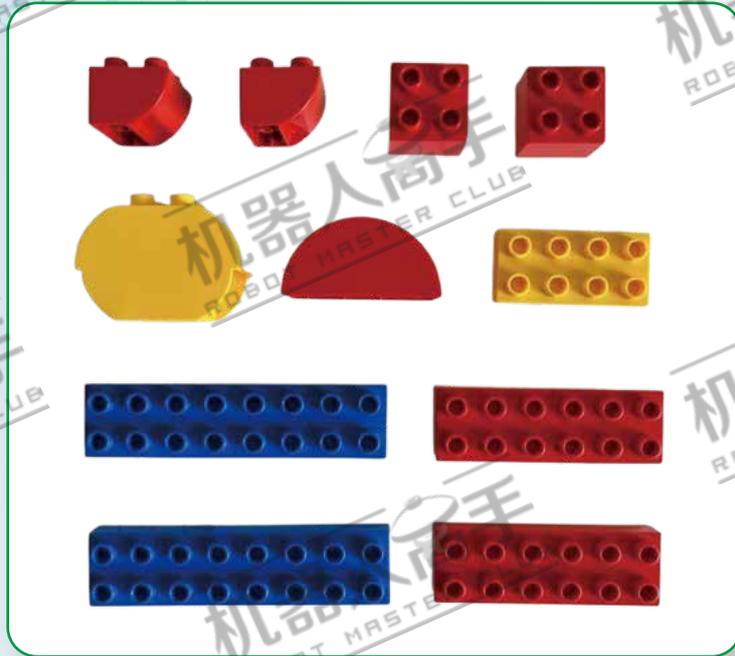
Indicator	Method	Game-based introduction: explore balance	Build a balance scale structure	Simply weigh blocks and figurines	Expand knowledge to further explore balance
Curiosity and Imagination		●			
Flexibility and Adaptability			●		
Verbal and Written Communication Skills					
Cross-boundary Cooperation and Exemplary Leadership					
Critical Thinking and Problem-solving Skills					●
Proactive and Pioneering Spirit				●	
Ability to Evaluate and Analyze Information					



Interactive Tips

- During construction, you can build both the left and right sides at the same time to keep the balance scale in a balanced state at all times. Alternatively, build one side first, then find the balance for the other side.
- Take the small figure in the middle as a dividing line—if the block structures on both sides are identical, this is a symmetrical structure.

Find These Building Blocks



Design a Balanced and Stable Balance Scale Structure

