Swing

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.

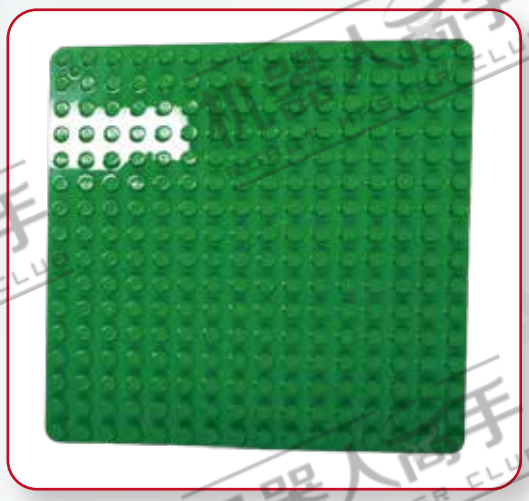
STEAM Literacy Development Indicators

Indicator \ Method	Situation-based introduction: Understand the structure of a swing	Design a stable swing	Test the stability of the swing	Learn safety rules for using swings
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

- Conduct a simple measurement for the height of the support columns; adjustments to the height may be needed during later building. For the top part (where the axle connects), use a perforated beam.
- The crossbeam is relatively long, and the axles in the set are not long enough. Therefore, connect two axles together—should a worm be used for connection?
- Connecting the swing is a difficulty. Using a single beam to connect the seat will cause it to flip. Thus, the improved solution is to use two yellow beams to connect the seat.

Find These Blocks



Build a Swing with a Stable Structure