

Swing

Applicable Age Group

6+

Activity Objectives

- ☑ Understand the way to play and structural characteristics of a swing
- ☑ Preliminarily understand the movement trajectory of objects (swinging back and forth rather than left and right)
- ☑ Understand that triangles have stability

Activity Description

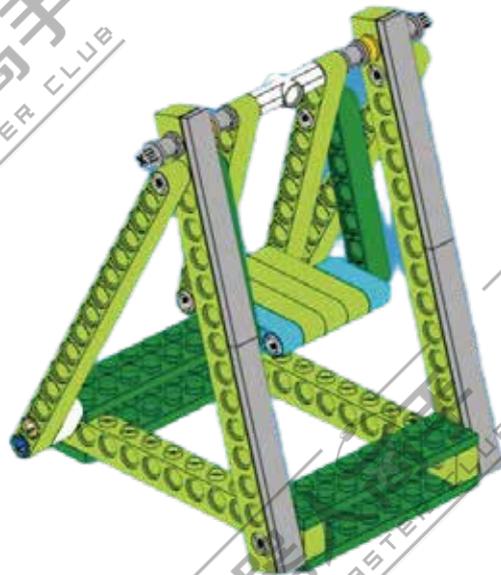
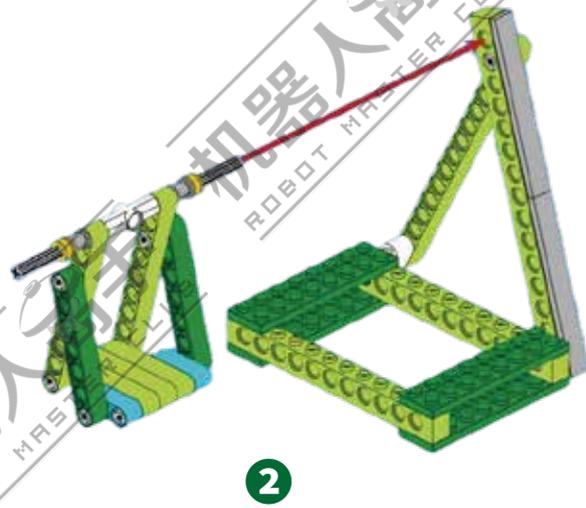
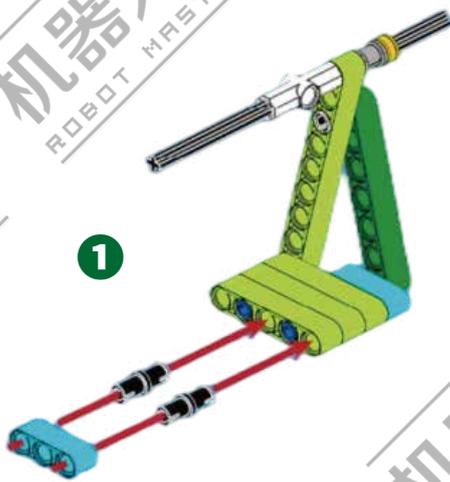
In this course, children will design a fun swing. A swing is made by tying ropes to a frame with a bench hanging below, and people swing back and forth with the bench.

STEAM Literacy Development Indicators

Method Indicator	Situation Introduction & Problem Analysis	Using Triangular Structures to Construct a Swing	Testing Structural Stability and Smoothness	Understanding the Application of Support Structures
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				

Building Block List

	X4		X2		X2		X2
	X2		X4		X2		X2
	X4		X2		X4		
	X2		X2		X3		
	X15		X1		X2		



Construction Steps

Makerzoid(App)-Robot Master(套件)-Soccer Competition(套装)-2 Basic-5 Swing