

Pastry Chef

Applicable Age Group

6+

Activity Objectives

- ✓ Understand the process of making rice cakes; rice cake pounding is a traditional seasonal activity in China
- ✓ Learn the transmission method of gears
- ✓ Better understand and inherit Chinese traditional culture by constructing a rice cake pounding robot

Activity Description

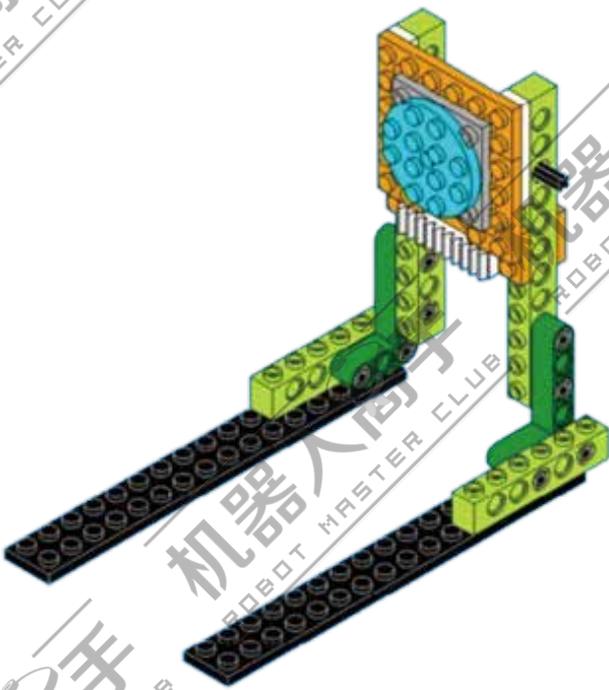
In this course, children will design a rice cake pounding figure based on gear transmission to complete the production of delicious rice cakes.

STEAM Literacy Development Indicators

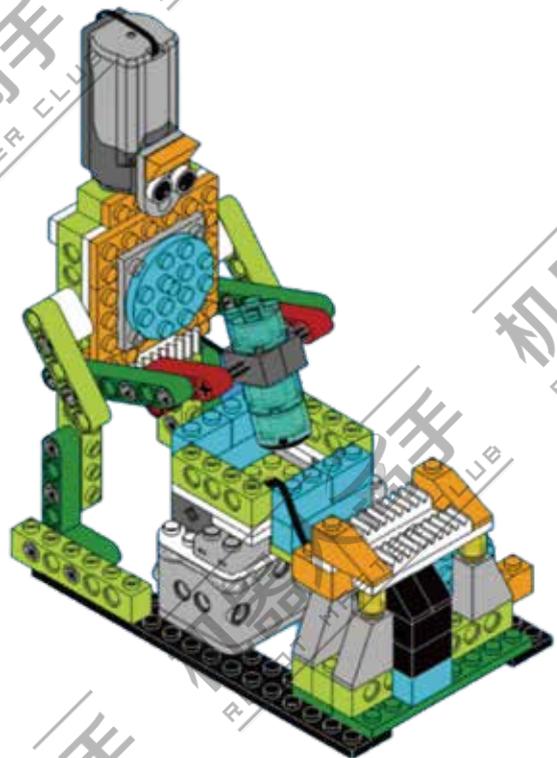
Method Indicator	Situation Introduction & Problem Analysis	Using Gears to Construct a Rice Cake Pounding Figure	Testing Structural Stability and Smoothness	Understanding the Application of Gears
Curiosity and Imagination	●			
Flexibility and Adaptability		●		
Verbal and Written Communication Skills				
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

	X2		X1		X1		X2		X1		X1
	X4		X2		X12		X4		X1		X3
	X3		X2		X2		X2		X2		X1
	X2		X2		X2		X2		X2		X1
	X3		X1		X1		X2		X2		X2
	X4		X1		X1		X2		X2		X1
	X2		X3		X2		X3		X2		X1
	X4		X1		X2		X4		X1		X1
	X5		X1		X2		X2		X1		



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Construction Steps

Makerzoid(App)-Robot Master(Kit)-Premium(Set)-11 Newly Updated Programming-21 Pastry Chef