

Stirrer

Applicable Age Group

6+

Activity Objectives

- ☑ Understand the purpose and structure of stirrers
- ☑ Understand what gears are and flexibly use two-stage gear acceleration transmission
- ☑ Learn the types of stirrers: hand-held stirrers and fully automatic stirrers

Activity Description

In this course, children will design a stirrer that can perform stirring through two-stage gear acceleration transmission. The construction uses horizontal gear transmission and two-stage acceleration movement.

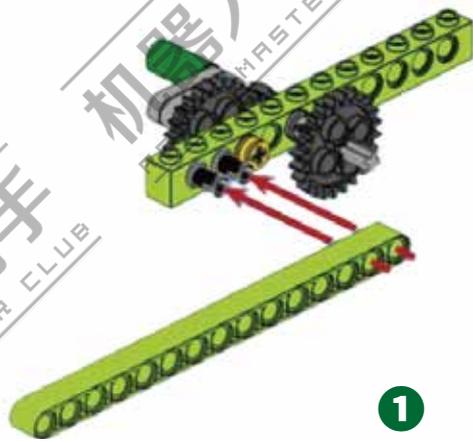


STEAM Literacy Development Indicators

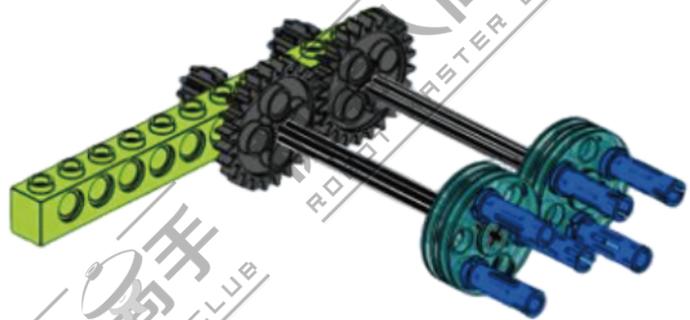
Method Indicator	Situation Introduction & Problem Analysis	Using Gears to Construct a Stirrer	Testing Structural Stability and Smoothness	Understanding the Application of Gears
Curiosity and Imagination	●			
Flexibility and Adaptability				
Verbal and Written Communication Skills				
Cross-boundary Cooperation and Exemplary Leadership				
Critical Thinking and Problem-solving Skills			●	
Proactive and Pioneering Spirit				
Ability to Evaluate and Analyze Information				

Building Block List

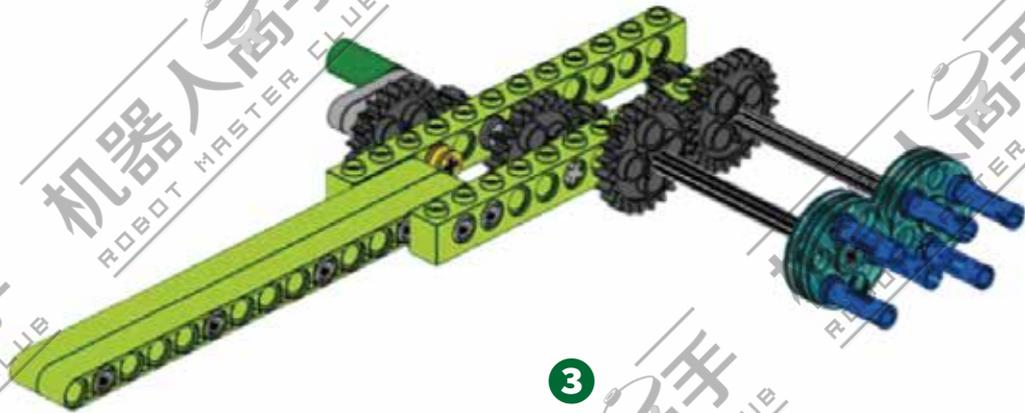
	X 3		X 2		X 2		X 1
	X 4		X 8		X 1		X 3
	X 1		X 1		X 2		X 4
	X 1		X 6		X 1		



1



2



3

Construction Steps

Makerzoid(App)-Robot Master(Kit)-Soccer Competition(Set)-2 Basic-46 Stirrer