

Vigorous Extrusion Machine

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

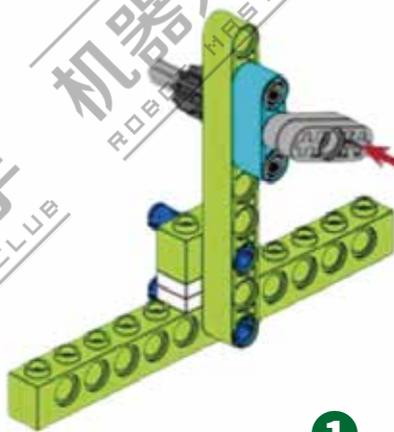
Activity Description

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.

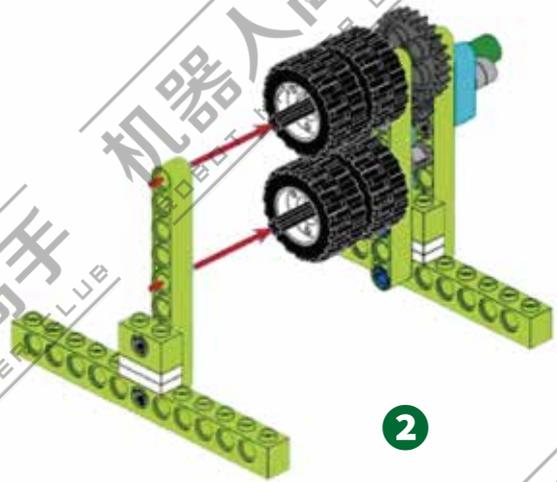
STEAM Literacy Development Indicators

Method Indicator	Situation Introduction & Problem Analysis	Using Gears to Construct an Extrusion Machine	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				

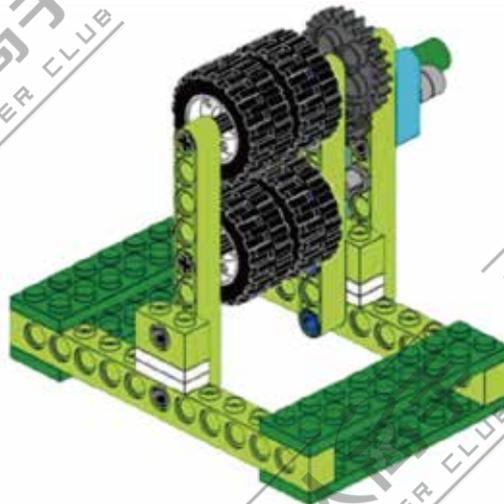
Building Block List



1



2



3

Construction Steps

Makerzoid(App)-Robot Master(Kit)-Soccer Competition(Set)-2 Basic-34 Vigorous Extrusion Machine