

# Automatic Gate

## Applicable Age Group

6+

## Activity Objectives

- Understand the appearance and structure of the gate
- Be able to explain the application of horizontal gear transmission and belt transmission

## Activity Description

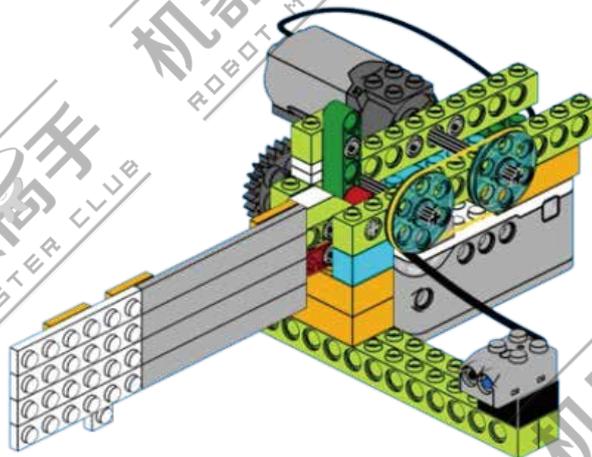
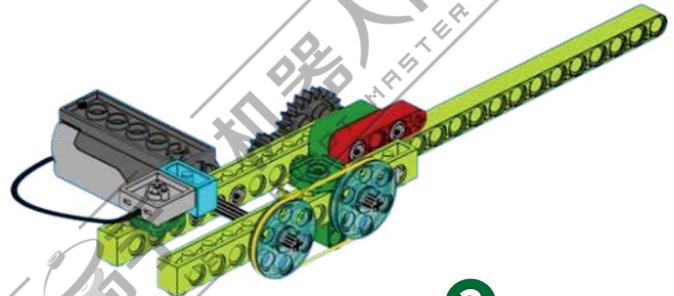
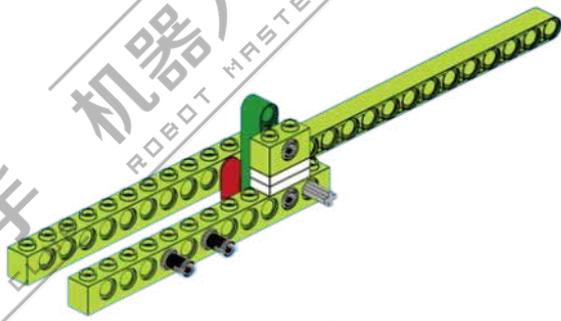
In this course, children will design an automatic gate.

## STEAM Literacy Development Indicators

Indicator	Method	Situation Introduction & Problem Analysis	Using (Gears/Belts) to Construct	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		X3		X2		X1
	X1		X3		X1		X1		X2		X1
	X4		X2		X1		X1		X4		X1
	X3		X1		X2		X1		X4		X2
	X2		X3		X8		X1		X4		X1



## Construction Steps

Makerzoid(App)-Robot Master(Kit)-Soccer Competition(Set)-8 Jr Programming-14  
Automatic Gate