

# Goalkeeper Robot

## Applicable Age Group

6+

## Activity Objectives

- ✓ Familiarize with the competition rules
- ✓ Improve students' control ability and on-the-spot judgment ability

## Activity Description

In this course, children will design a defensive robot based on the competition rules for the junior group.

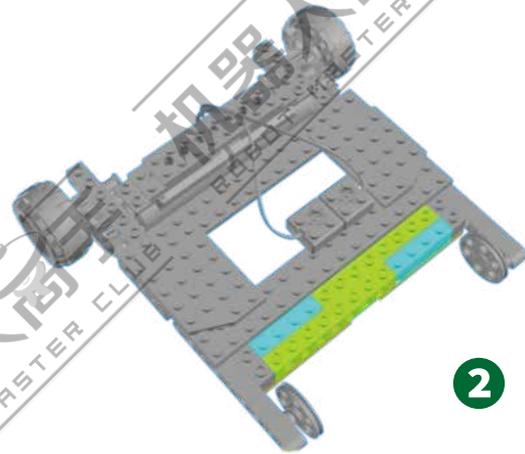
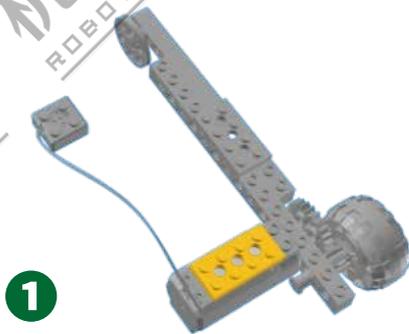


## STEAM Literacy Development Indicators

Indicator	Method	Situation Introduction & Problem Analysis	Using Gears 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		X2		X4		X2		X2		X1
	X4		X2		X4		X4		X2		
	X4		X2		X2		X1		X2		
	X2		X2		X2		X2		X2		
	X2		X18		X2		X2		X2		
	X2		X4		X2		X1		X2		



## Construction Steps

Makerzoid(App)-Robot Master(Kit)-Soccer Competition(Set)-1 Soccer Robot-1  
Goalkeeper Robot