

# Animal Trap

## Applicable Age Group

6+

## Activity Objectives

- ✓ Understand the harm of mice and the function of animal traps
- ✓ Learn the mode of motion sensors
- ✓ Clearly explain the acceleration transmission of gears

## Activity Description

In this course, children will design a mouse trap based on gear acceleration transmission to help people catch mice.

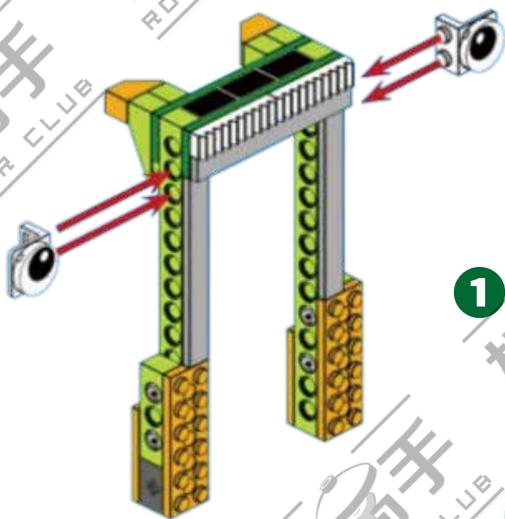


## STEAM Literacy Development Indicators

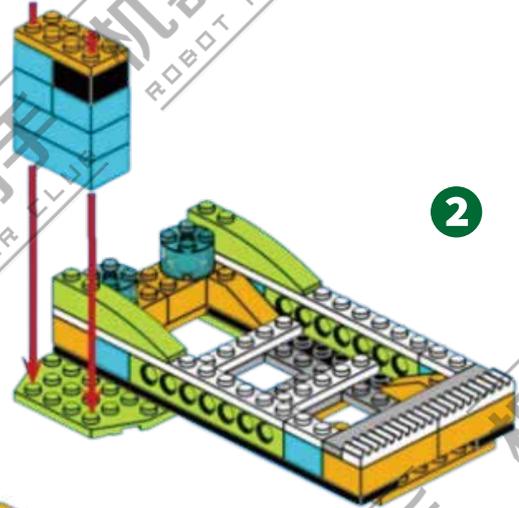
Indicator	Method	Situation Introduction & Problem Analysis	Using Gears to Construct an Animal Trap	Testing Structural Stability and Smoothness	Understanding the Application of Gears
Curiosity and Imagination		●			
Flexibility and Adaptability			●		
Verbal and Written Communication Skills					
Cross-boundary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

## Building Block List

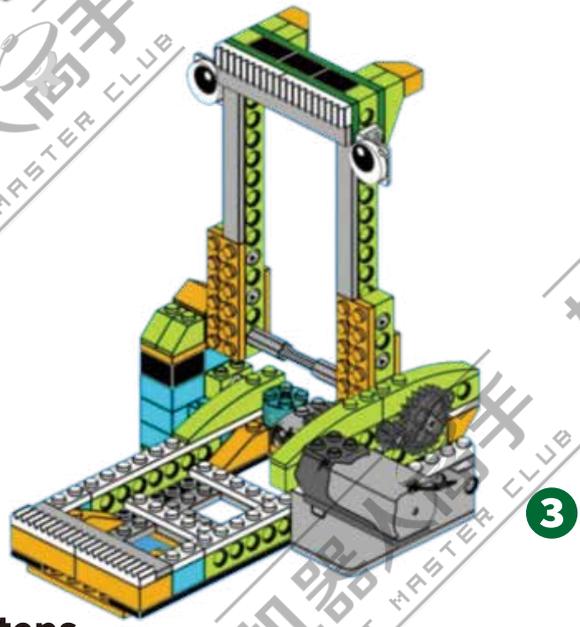
	X3		X1		X3		X1		X3		X2
	X1		X2		X2		X2		X4		X2
	X4		X2		X4		X3		X2		X1
	X2		X6		X2		X2		X4		X1
	X2		X2		X2		X2		X4		X1
	X4		X4		X1		X2		X2		X1
	X4		X2		X7		X1		X2		X1
	X2		X4		X1		X2		X2		X1



1



2



3

## Construction Steps

Makerzoid(App)-Robot Master(Kit)-Soccer Competition(Set)-10 Newly Updated Programming-10 Animal Trap