

# Hammer Machine

## Applicable Age Group

6+

## Activity Objectives

- ✓ Learn the friction transmission of rubber bands
- ✓ Master circular motion to make the hammer strike up and down

## Activity Description

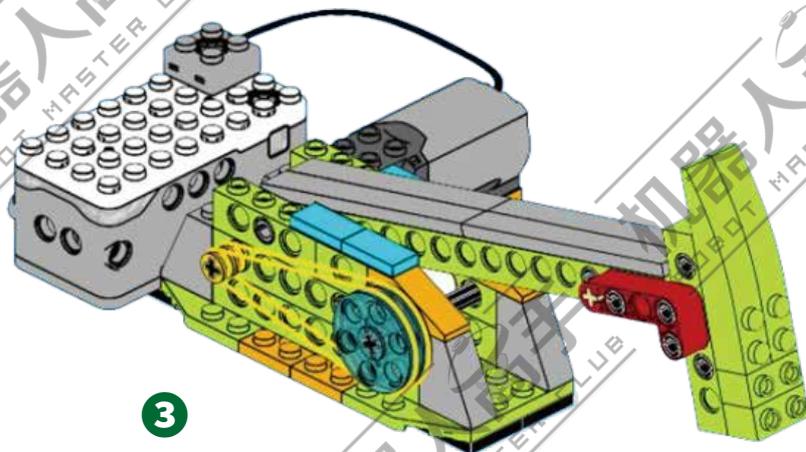
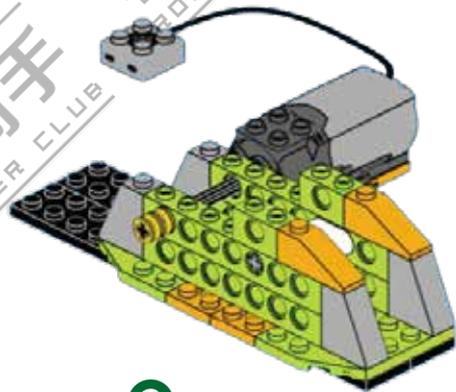
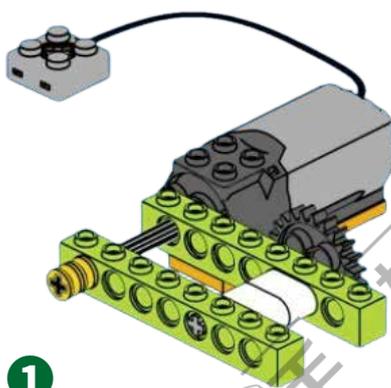
In this course, a hammer machine is completed based on rubber band transmission.

## STEAM Literacy Development Indicators

Indicator	Method	Situation Introduction & Problem Analysis	Using Rubber Bands to Construct a Hammer Machine	Testing Structural Stability and Smoothness	Understanding the Application of Rubber Bands
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 2		X 12		X 2		X 2
	X 3		X 2		X 3		X 2
	X 4		X 2		X 2		X 2
	X 1		X 2		X 2		X 1
	X 2		X 2		X 4		X 1
	X 1		X 2		X 4		X 1
	X 2		X 2		X 4		



## Construction Steps

Makerzoid(App)-Robot Master(Kit)-Soccer Competition(Set)-5 Electric Engineering-16 Hammer Machine