

# Helicopter

## Applicable Age Group

6+

## Activity Objectives

- ✓ Learn vertical gear transmission
- ✓ Understand that the large propeller is responsible for ascending and descending, and the small propeller changes direction

## Activity Description

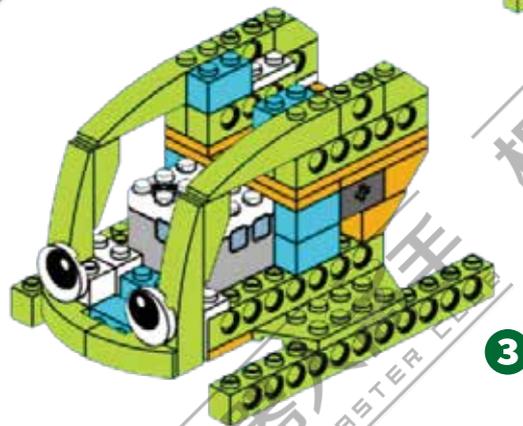
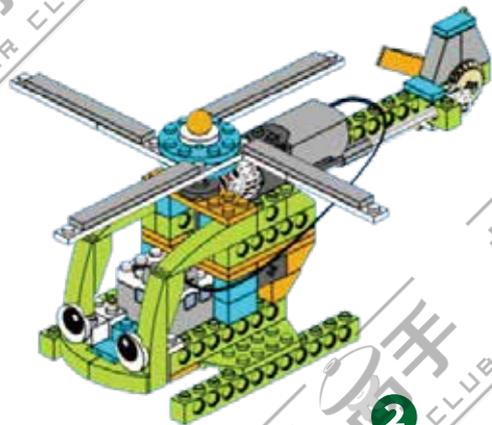
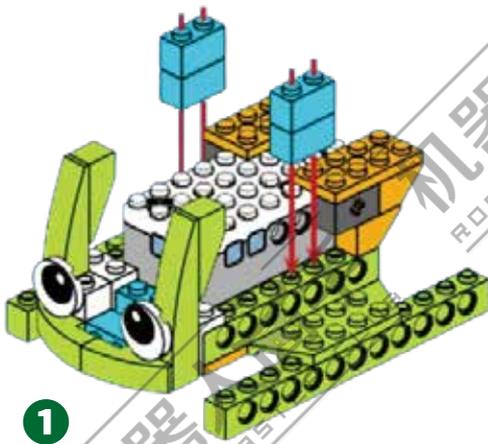
In this course, a helicopter is designed based on vertical gear transmission.

## STEAM Literacy Development Indicators

Method Indicator	Situation Introduction & Problem Analysis	Using Gears to Construct a Rotating Plane	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

	X 4		X 1		X 2		X 2
	X 3		X 1		X 2		X 1
	X 4		X 2		X 1		X 2
	X 2		X 1		X 2		X 2
	X 3		X 1		X 3		X 1
	X 4		X 1		X 2		X 2
	X 3		X 1		X 4		X 2
	X 3		X 1		X 2		X 1
	X 2		X 1		X 2		X 1
	X 6		X 1		X 4		X 1
	X 2		X 4		X 2		X 1
	X 2		X 2		X 4		



## Construction Steps

Makerzoid(App)-Robot Master(Kit)-Soccer Competition(Set)-5 Electric Engineering-27 Electric Helicopter