

# Rotation Plane

## Applicable Age Group

6+

## Activity Objectives

- ☑ Understand different types and uses of aircraft
- ☑ Recognize the speed of gear transmission

## Activity Description

In this course, children will design a rotating plane based on gear transmission.

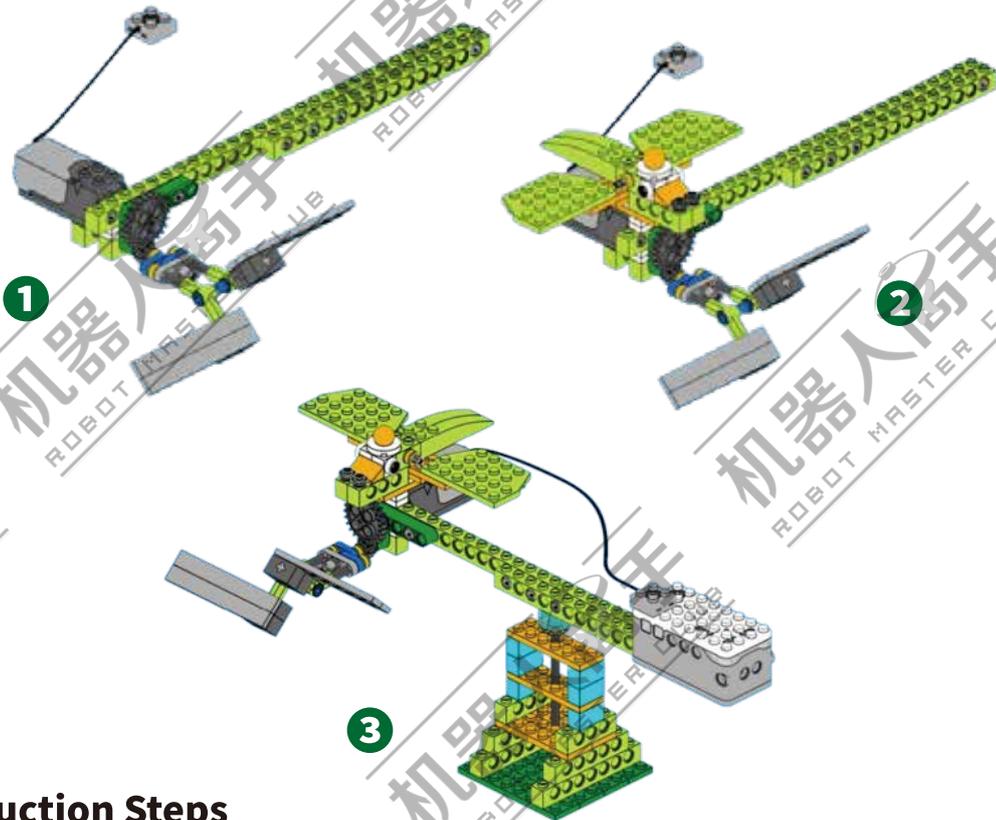


## STEAM Literacy Development Indicators

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 6		X 2		X 2		X 2
	X 4		X 2		X 1		X 2
	X 5		X 2		X 4		X 1
	X 4		X 2		X 2		X 2
	X 4		X 6		X 2		X 1
	X 4		X 2		X 1		X 2
	X 6		X 5		X 2		X 1
	X 1		X 2		X 1		X 1
	X 1		X 2		X 4		X 1
	X 1		X 2		X 2		



## Construction Steps

Makerzoid(App)-Robot Master(Kit)-Soccer Competition(Set)-5 Electric Engineering-26 Rotation Plane