

Drawing Robot

Applicable Age Group

6+

Activity Objectives

- ✓ Learn and understand horizontal gear transmission
- ✓ Learn and apply vertical gear transmission
- ✓ Master the application of connecting rod structure

Activity Description

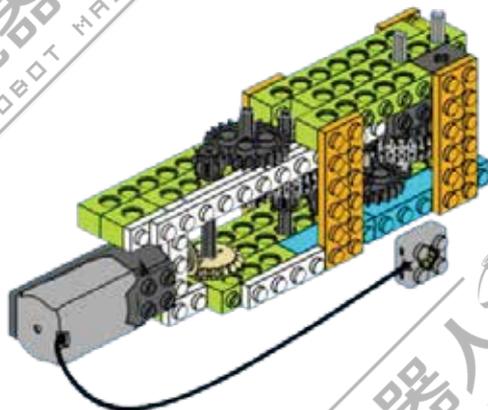
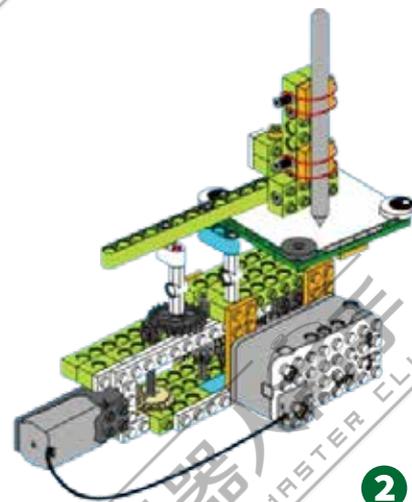
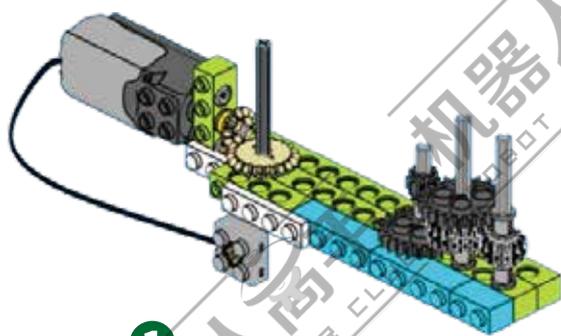
In this course, a drawing robot is designed.

STEAM Literacy Development Indicators

Method Indicator	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

	X4		X1		X2		X4
	X3		X1		X3		X4
	X1		X5		X4		X4
	X1		X4		X1		X4
	X2		X1		X2		X4
	X4		X1		X1		X2
	X4		X1		X1		X1
	X4		X2		X1		X1
	X3		X2		X4		X1
	X1		X2		X2		X1
	X2		X2		X4		X1
	X1		X2		X2		X1
	X2		X10		X2		X2
	X2		X2		X2		X2



Construction Steps

Makerzoid(App)-Robot Master(Kit)-Soccer Competition(Set)-5 Electric Engineering-30 Drawing Machine