

Dancing Man

Applicable Age Group

6+

Activity Objectives

- ✓ Master horizontal gear transmission and design multi-gear transmission
- ✓ Use the connecting rod structure to realize leg swinging movements

Activity Description

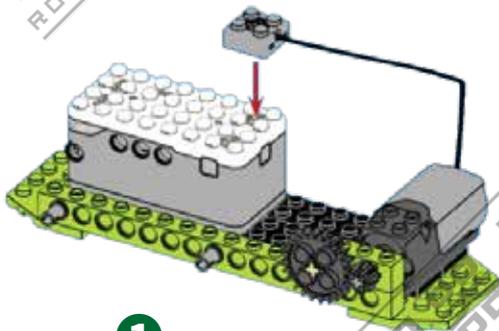
In this course, the dancing and swinging movements of the figure are completed through multi-gear transmission and the application of the connecting rod structure.

STEAM Literacy Development Indicators

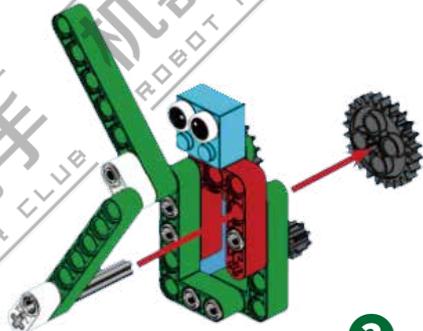
Method Indicator	Situation Introduction & Problem Analysis	Using Gears to Construct a Dancing Figure	Testing Structural Stability and Smoothness	Understanding the Application of Gear-Connecting Rod Structure
Curiosity and Imagination	●			
Flexibility and Adaptability				
Verbal and Written Communication 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

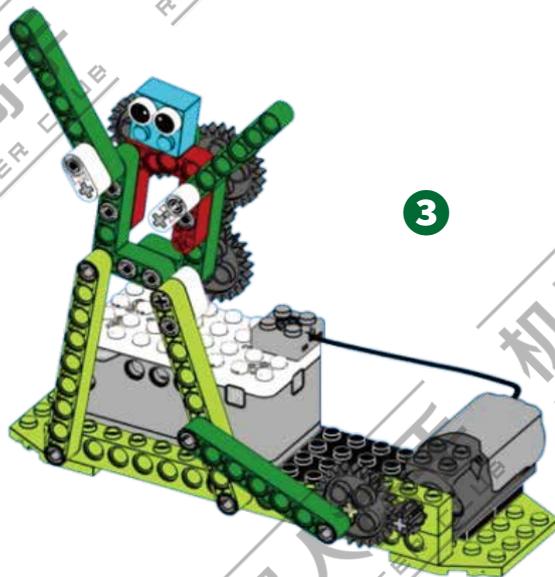
	X 2		X 1		X 2		X 2
	X 1		X 1		X 3		X 1
	X 1		X 2		X 2		X 1
	X 2		X 8		X 2		X 2
	X 4		X 5		X 3		X 2
	X 1		X 1				



1



2



3

Construction Steps

Makerzoid(App)-Robot Master(Kit)-Soccer Competition(Set)-5 Electric Engineering-14 Dancing Man