

Manual Jumping YL Man

Applicable Age Group

6+

Activity Objectives

- ☑ Learn the decelerating transmission of gears
- ☑ Experience the application of cams and connecting rods in daily life

Activity Description

In this course, children will design a jumping Minion that can move up and down. They will understand the difference between acceleration and deceleration in the transmission of large and small gears.

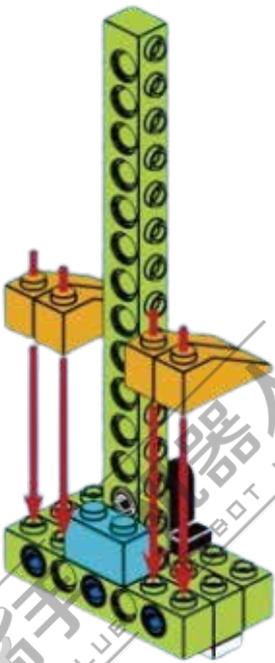


STEAM Literacy Development Indicators

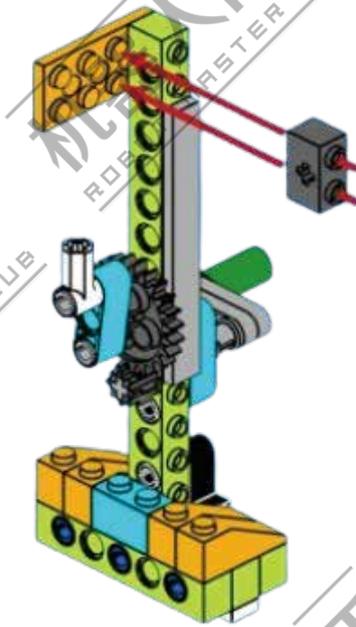
Indicator	Method	Situation Introduction & Problem Analysis	Using Gears to Construct a Jumping Minion	Testing Structural Stability and Smoothness	Understanding the Application of Cam Levers
Curiosity and Imagination		●			
Flexibility and Adaptability					
Verbal and Written Communication Skills					
Cross-boundary Cooperation and Exemplary Leadership					
Critical Thinking and Problem-solving Skills				●	
Proactive and Pioneering Spirit					
Ability to Evaluate and Analyze Information					

Building Block List

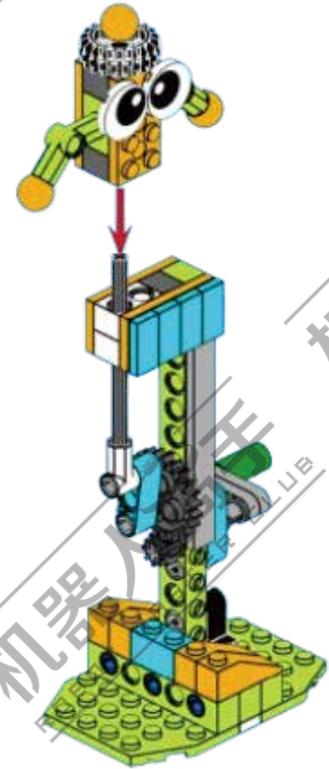
	X 2		X 1		X 3		X 4
	X 4		X 2		X 1		X 4
	X 2		X 1		X 2		X 1
	X 4		X 5		X 1		X 2
	X 3		X 1		X 1		X 3
	X 1		X 3		X 2		X 2
	X 1		X 1		X 1		X 1
	X 1		X 4		X 2		



1



2



3

Construction Steps

Makerzoid(App)-Robot Master(Kit)-Soccer Competition(Set)-4YL Corps-14 Manual
Jumping YL Man 2