Conveyor

Applicable Age Group   6+

Activity Objectives
☑ Understand the function, structure and principle of the conveyor
☑ Explain the application of rack and pinion

Activity Description   In this course, children will design a conveyor based on rack and pinion.

⚙️ STEAM Literacy Development Indicators

Method \ Indicator	Situation Introduction & Problem Analysis	Using Rack and Pinion to Construct a Conveyor	Testing Structural Stability and Smoothness	Understanding the Application of Rack and Pinion
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 4		X 2		X 2		X 4		X 2	
X 4		X 3		X 4		X 2		X 2		X 1	
X 2		X 4		X 1		X 2		X 4		X 1	
X 2		X 1		X 11		X 2		X 4		X 1	
X 2		X 4		X 4		X 2		X 1			

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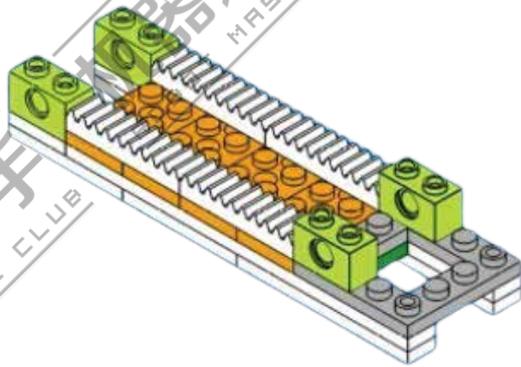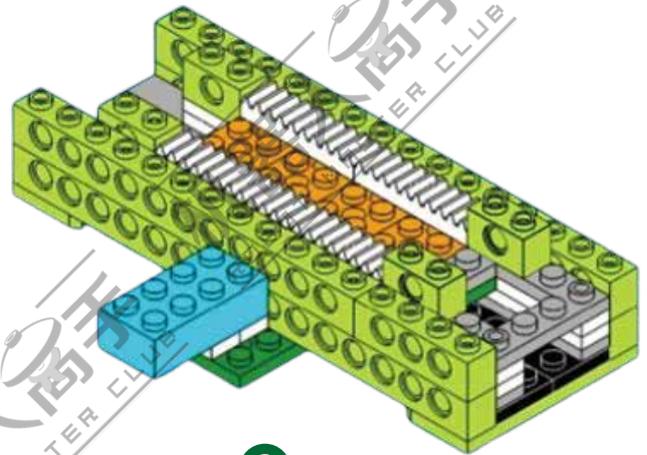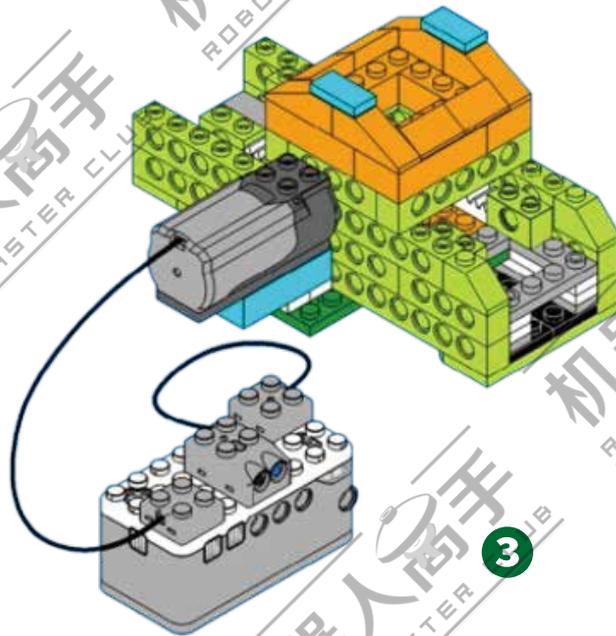
Construction Steps

Makerzoid(App)-Robot Master(Kit)-Soccer Competition(Set)-8 Jr Programming-19
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