

# Electric Stegosaurus

**Applicable Age Group** 6+

**Activity Objectives**

- ☑ Understand the body structure characteristics of Stegosaurus
- ☑ Recognize dinosaurs and learn to distinguish between carnivorous and herbivorous dinosaurs
- ☑ Master the application of vertical gear transmission and crank-connecting rod

**Activity Description**

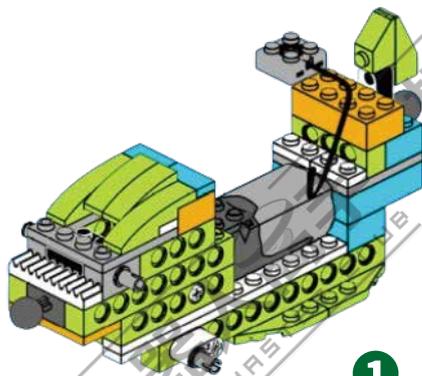
In this course, children will design a Stegosaurus based on vertical gear transmission.

## STEAM Literacy Development Indicators

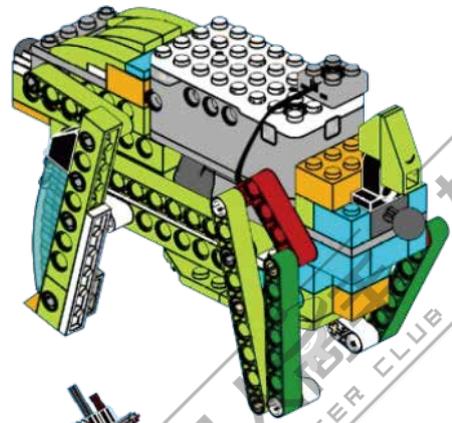
Method Indicator	Situation Introduction & Problem Analysis	Using Vertical Gear Transmission to Construct a Stegosaurus	Testing Structural Stability and Smoothness	Understanding the Application of Gears
Curiosity and Imagination	●			
Flexibility and Adaptability		●		
Verbal and Written Communication Skills				
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

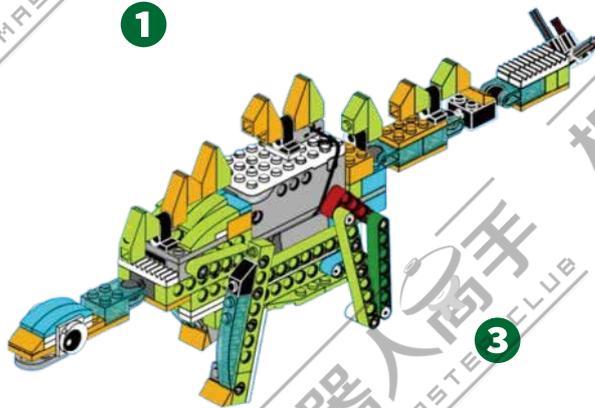
	X5		X1		X2		X3		X2
	X4		X4		X1		X2		X2
	X4		X1		X1		X4		X4
	X2		X2		X1		X2		X1
	X4		X1		X2		X4		X2
	X2		X2		X4		X4		X2
	X1		X3		X2		X4		X2
	X4		X2		X2		X2		X1
	X3		X1		X2		X4		X4
	X4		X1		X2		X2		X2
	X2		X8		X4		X2		X1
	X1		X8		X3		X2		X1
	X2		X4		X3		X2		X1



1



2



3

## Construction Steps

Makerzoid(App)-Robot Master(Kit)-Soccer Competition(Set)-7 Electric Animal-3  
Electric Stegosaurus