

Toad

Applicable Age Group

6+

Activity Objectives

- ☑ Recognize toads (frogs) and understand that frogs are amphibians
- ☑ Learn vertical gear transmission

Activity Description

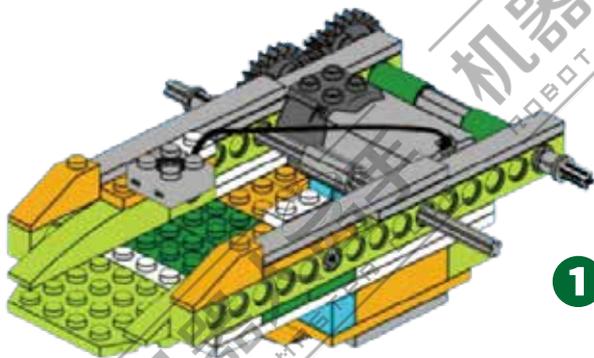
In this course, children will design a toad (frog) based on gear transmission, cultivating children's interest in natural organisms and awareness of protection.

STEAM Literacy Development Indicators

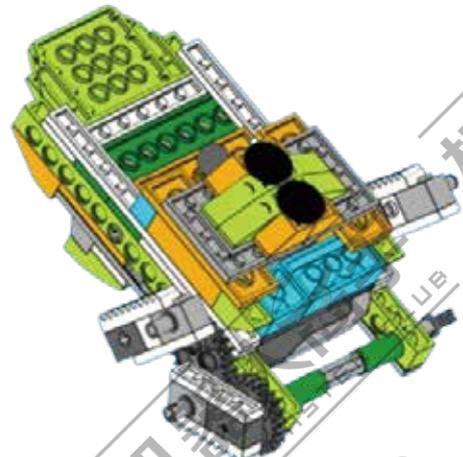
Method Indicator	Situation Introduction & Problem Analysis	Using Worm Gear Boxes and Gears to Construct a Chomper	Testing Structural Stability and Smoothness	Understanding the Application of Worm Gear Boxes and Gears
Curiosity and Imagination	●			
Flexibility and Adaptability		●		
Verbal and Written 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

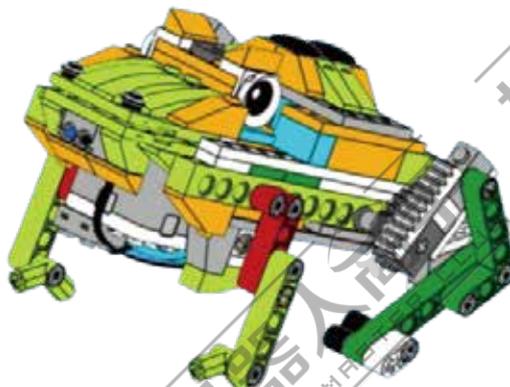
	X 6		X 4		X 4		X 2		X 4		X 1
	X 4		X 1		X 2		X 4		X 2		X 1
	X 4		X 1		X 2		X 4		X 2		X 1
	X 2		X 1		X 4		X 2		X 1		X 2
	X 4		X 2		X 2		X 4		X 2		X 2
	X 2		X 4		X 2		X 4		X 2		X 2
	X 2		X 2		X 2		X 2		X 1		X 1
	X 2		X 1		X 2		X 4		X 1		X 2
	X 2		X 2		X 2		X 4		X 2		X 2
	X 3		X 2		X 2		X 2		X 2		X 2
	X 4		X 16		X 2		X 2		X 2		X 2
	X 4		X 2		X 2		X 2		X 2		X 2



1



2



3

Construction Steps

Makerzoid(App)-Robot Master(Kit)-Soccer Competition(Set)-10 Newly Updated Programming-20 Toad