

Dolphin

Applicable Age Group

6+

Activity Objectives

- ☑ Recognize dolphins and learn knowledge about dolphins
- ☑ Proficiency in applying vertical meshing transmission of gears

Activity Description

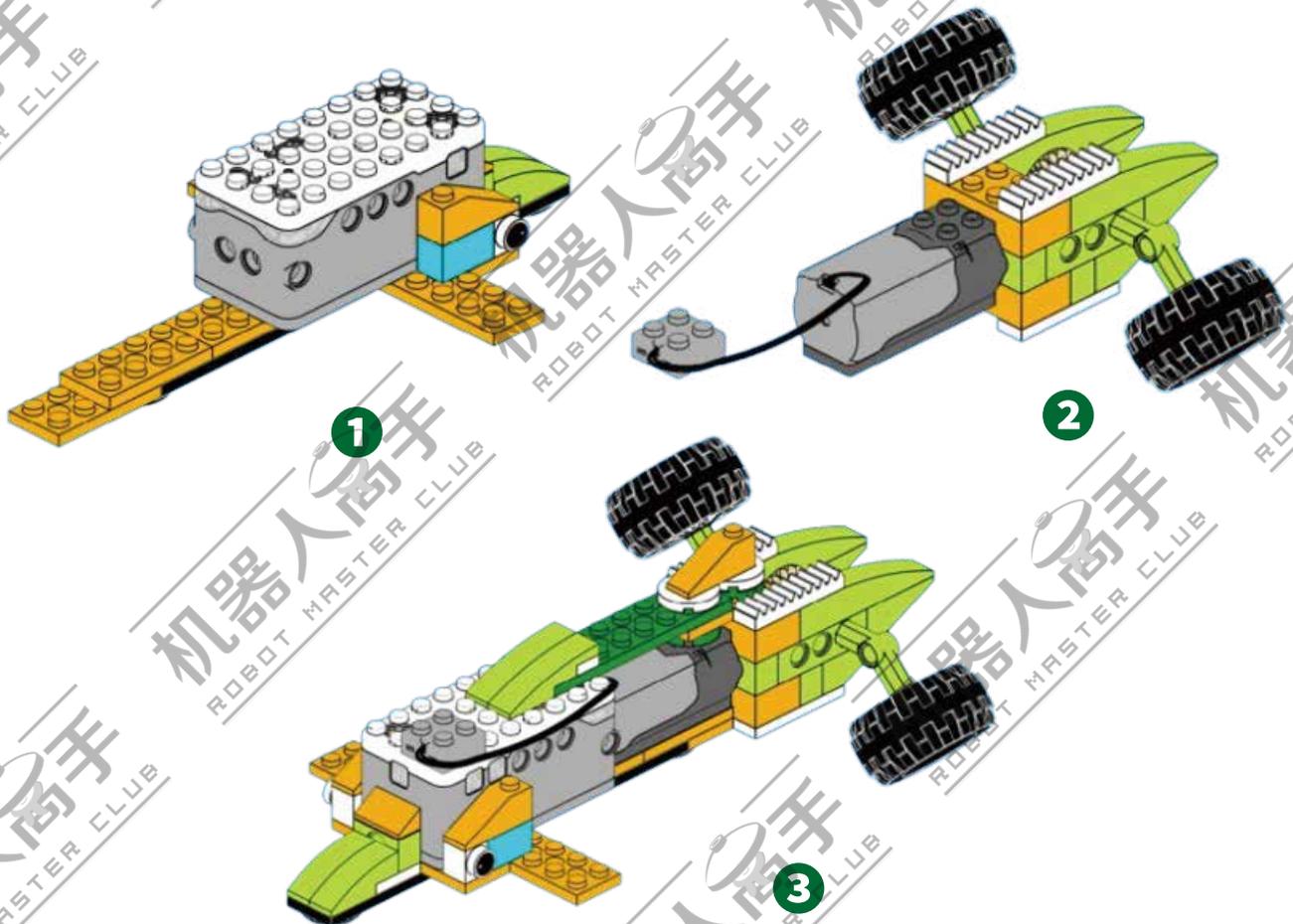
In this course, children will design a dolphin based on vertical gear transmission.

STEAM Literacy Development Indicators

Indicator	Method	Situation Introduction & Problem Analysis	Using Gears to Construct a Dolphin	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

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



Construction Steps

Makerzoid(App)-Robot Master(Kit)-Soccer Competition(Set)-7 Electric Animal-11 Dolphin (Electric)