

# Merry-Go-Round

## Applicable Age Group

6+

## Activity Objectives

- ☑ Understand the external structure of a merry-go-round
- ☑ Understand what gears are and flexibly use two-stage gear acceleration transmission
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## Activity Description

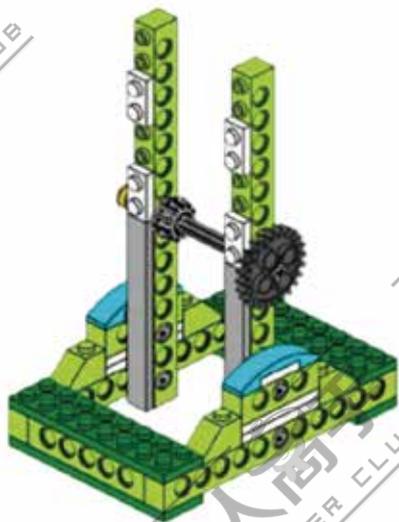
In this course, children will design a merry-go-round constructed through vertical gear transmission. A merry-go-round is a fun amusement facility.

## STEAM Literacy Development Indicators

Indicator	Method	Situation Introduction & Problem Analysis	Using Gears to Construct a Merry-Go-Round	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

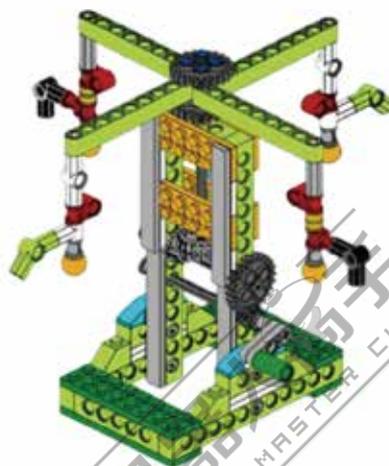
	X 6		X 1		X 1		X 2		X 3		X 3
	X 3		X 2		X 2		X 2		X 4		X 4
	X 4		X 2		X 2		X 2		X 2		
	X 4		X 4		X 2		X 4		X 6		
	X 1		X 5		X 2		X 4		X 2		
	X 1		X 4		X 2		X 2		X 2		
	X 1		X 8		X 4		X 4		X 1		



1



2



3

## Construction Steps

Makerzoid(App)-Robot Master(Kit)-Soccer Competition(Set)-2 Basic-58 Merry-Go-Round