Hand Fan

Applicable Age Group 6+

Activity Objectives

☑ Analyze the fan structure and understand the functions and types of each part of the fan

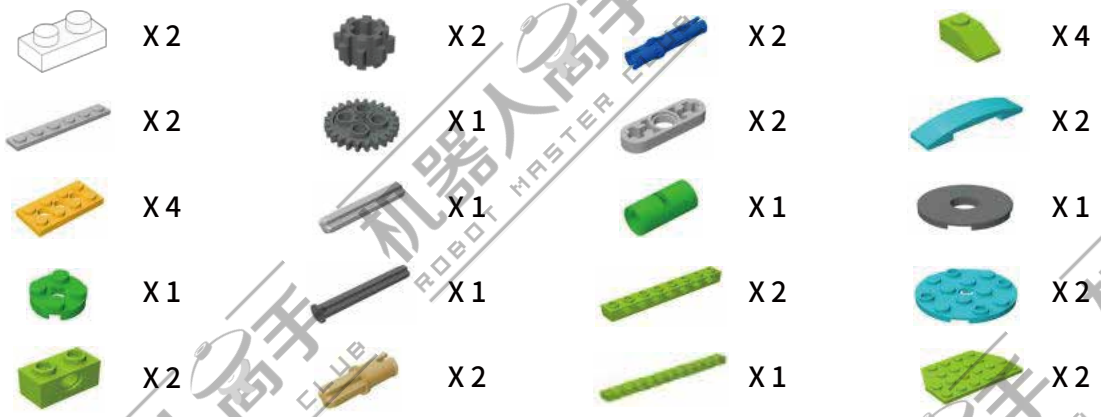
☑ Understand what gears are and flexibly use gear acceleration transmission to make the fan rotate faster

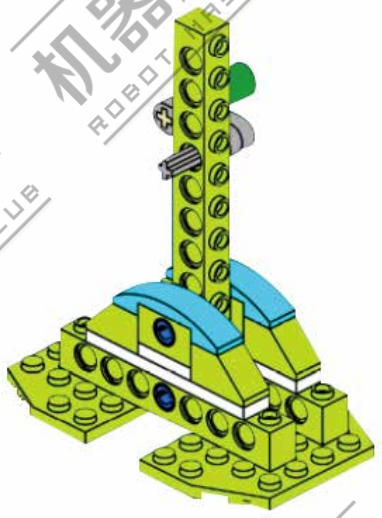
Activity Description In this course, children will design a hand fan that can cool down. The construction uses an interlocking structure and horizontal gear transmission to achieve the accelerated rotation of the fan.

STEAM Literacy Development Indicators

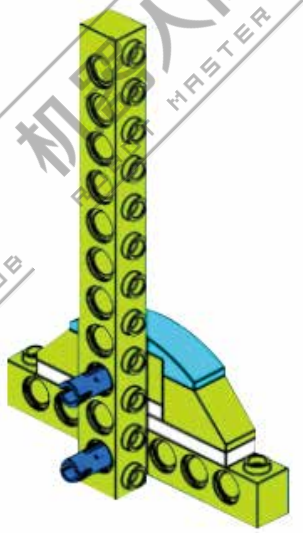
Indicator \ Method				
Curiosity and Imagination	m Ar			
Flexibility and Adaptability				
Verbal and Written Communication Skills				
Cross-boundary Cooperation and Exemplary Leadership				
Critical Thinking and Problem-solving Skills			●	
Proactive and Pioneering Spirit				
Ability to Evaluate and Analyze Information				

Building Block List

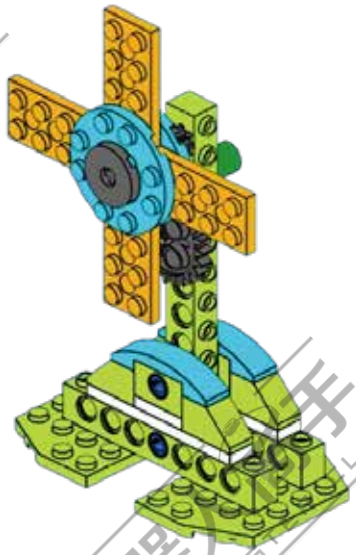




1



2



3

Construction Steps

Makerzoid(App)-Robot Master(Kit)-Soccer Competition(Set)-2 Basic-9 Hand Fan