Manual Drill Car

Applicable Age Group 6+

Activity Objectives

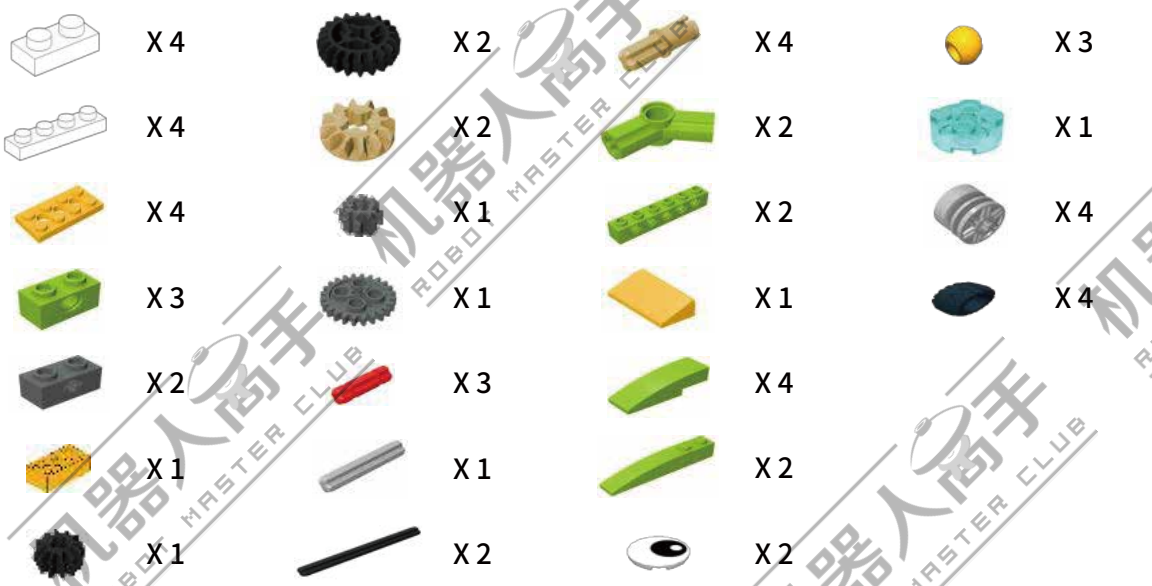
- ☑ Understand the structural composition of drill cars
- ☑ Master the construction method of drill cars
- ☑ Learn the use of vertical transmission

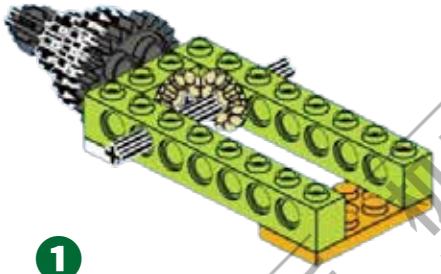
Activity Description In this course, children will design a drill car based on vertical gear transmission to help workers with their work.

STEAM Literacy Development Indicators

Method / Indicator	Situation Introduction & Problem Analysis	Using Gears to Construct a Drill Car	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





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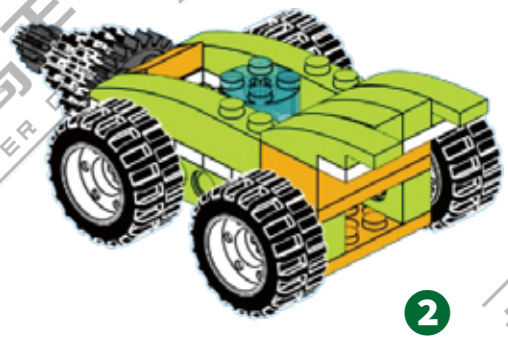

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Construction Steps

Makerzoid(App)-Robot Master(Kit)-Soccer Competition(Set)-4YL Corps-4 Manual Drill Car