

Electric Racing Car

Applicable Age Group 5-6 year-old toddlers

- Activity Objectives**
- ☑ Explore a stable car body structure.
 - ☑ Analyze problems encountered by the racing car and solve them in a targeted manner.

Activity Description Organize a racing car game with children. Help them understand the basic structure of racing cars and guide them to build a stable racing car by hand. Use motors to make the racing car move. Before the racing game starts, let children practice operating the car—controlling it to move forward and turn—to exercise the coordination of their hands and brain.

STEAM Literacy Development Indicators

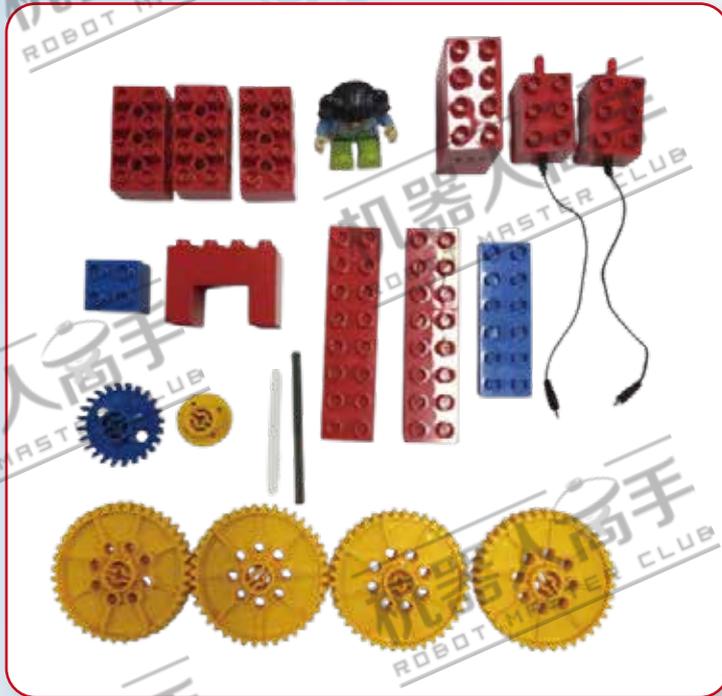
Method Indicator	Situation-based introduction: Understand the structure of a racing car	Design a stable racing car	Understand the racing car's operation and make improvements	Organize games to enjoy the race
Curiosity and Imagination	●			
Flexibility and Adaptability		●		
Verbal and Written Communication Skills				
Cross-boundary Cooperation and Exemplary Leadership				
Critical Thinking and Problem-solving Skills			●	●
Proactive and Pioneering Spirit				
Ability to Evaluate and Analyze Information				



Interactive Tips

- For the car structure, guide children to summarize key points—such as a relatively low chassis for better body stability.
- Before building, encourage children to visualize the car in their minds; they can even try drawing it first. This will help them generate more ideas during the building process.
- The connection of the motor is a key point. Balance the two wheels and connect the motor to the two rear wheels.
- Ensure structural stability by interlocking the other parts that require interlocking.

 Find These Blocks



 Use Large Yellow Gears to Build the Racing Car's Wheels and Connect the Motor to the Rear Wheels

