

# Electric Motorcycle

**Applicable Age Group** 5-6 year-old toddlers

**Activity Objectives**  It is capable of using an electromechanical mechanism to operate the motorcycle.

**Activity Description**  Understand the structural characteristics of motorcycles.

Motorcycles have a cool structure. Observe and summarize the structural characteristics of motorcycles with children, and guide them to describe these characteristics in their own words. Use a motor structure and an appropriate connection method to link the wheels, so that the motorcycle can move.

## STEAM Literacy Development Indicators

Method	Situation-based introduction: Understand the structure of a motorcycle	Build a motorcycle using a motor	Test the stability of the motorcycle	Hold a competition to see whose motorcycle runs faster
Indicator				
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

- It is difficult to maintain balance using only two gears as the front and rear wheels of the motorcycle with the provided blocks. Therefore, four wheels can be used to ensure structural stability.
- The motor can be installed on the front wheel or the rear wheel. During installation, ensure the connection part is firm to keep the motor stable.

 Find These Blocks



 Connect the Motor and Build the Electric Motorcycle

