

# Moon Exploration Vehicle

**Applicable Age Group** 6+

**Activity Objectives**

- ✓ Understand the structural components and functions of lunar rovers
- ✓ Understand that China's first lunar rover is Yutu (Jade Rabbit)
- ✓ Master the application of gear transmission

**Activity Description**

In this course, students will construct a lunar exploration vehicle, understanding that lunar rovers can be used for complex tasks such as detecting, surveying, collecting and analyzing the lunar surface.

## STEAM Literacy Development Indicators

Indicator	Situation Introduction & Problem Analysis	Using Gears to Construct a Lunar Exploration Vehicle	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				

