

Rock Whirlwind

Applicable Age Group 5-6 year-old toddlers

- Activity Objectives**
- ☑ Propose multiple solutions by analyzing problems and solve them creatively.
 - ☑ Design and apply combined gear transmission according to needs.

Activity Description By using gear combinations in building blocks, children will give full play to their infinite creativity and imagination to jointly create an entertainment facility model called "Rock Whirlwind". This process is not only a hands-on practice opportunity, but also a comprehensive exercise of mechanical principles, teamwork and innovative thinking abilities.

STEAM Literacy Development Indicators

Method Indicator	Situation-based introduction: Analyze problems	Build a "rocking whirlwind" device using gears	Test structural stability and smoothness	Understand gear applications
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

- Adult coaches need to provide appropriate time and space for children to give full play to their creativity, discuss and determine the design plan.
- Distribute building block sets and let children freely explore the connection methods and transmission effects of gears.
- Affirm children's creativity and efforts, put forward improvement suggestions, and encourage them to continue to develop their creativity and imagination.

Find These Blocks



Build the Rock Whirlwind Facility Using Gear Combinations and Motors

