

Blender

Applicable Age Group 4-5 year-old toddlers

- Activity Objectives**
- Explore gears and gear meshing.
 - Understand gear transmission through observation and building.

Activity Description Work with children to solve Mama Bear's problem of stirring egg liquid. Connect to daily life to understand the basic structure and functions of a blender. During the hands-on building process, help children recognize gears and gear transmission, and enable them to design and build a blender using gear transmission to further understand the role of blenders.

STEAM Literacy Development Indicators

Method Indicator	Situation-based introduction: Analyze problems	Build a mixer using gear transmission	Test the stability and smoothness of the mixer	Expand scenarios to strengthen its function
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

- Gear transmission is the key and difficult point of this activity. Observe gear meshing during installation—when the crank is turned, the blender's blades will start to rotate.
- The blender has a support structure; remember to use an interlocking structure.

