

# Excavator

**Applicable Age Group** 4-5 year-old toddlers

- Activity Objectives**
- ☑ Understand the function and structural features of an excavator;
  - ☑ Learn the purpose of the bucket through hands-on building;
  - ☑ Practice fine motor skills by using a screwdriver for assembly.

**Activity Description** The various large construction vehicles at a building site are incredibly powerful. Together with the children, learn about the function and structural features of an excavator. Assemble the excavator using a screwdriver, and explore the use and purpose of the bucket. This process helps exercise fine motor skills in the hand muscles.

## STEAM Literacy Development Indicators

Indicator	Method Situation-based introduction: Understand the function of an excavator	Design and build an excavator	Test stability and the direction of the excavator bucket	Recreate scenarios to understand the function of the excavator bucket
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

- The installation and connection of the bucket is key. When using the screwdriver, ensure each screw makes a "click-click-click" sound.
- The overall vehicle structure design should be stable and firm. When connecting the mechanical arm to the vehicle body, choose the appropriate connector, such as a studded connector.

 Find These Building Blocks



 Assemble the Excavator with a Screwdriver

