

Bulldozer

Applicable Age Group 4-5 year-old toddlers

- Activity Objectives**
- ☑ Understand the structure and function of a bulldozer.
 - ☑ Explore the function of the bulldozer blade by operating it.

Activity Description Learn with children that there are many large engineering vehicles playing their roles on construction sites, each with a clear division of labor. Currently, many excavators are working on the site, digging up a lot of soil and piling it into mounds. At this time, a bulldozer is needed to push the soil to potholes for filling or transport it away. During hands-on building, operate the blade's working process to explore the bulldozer's structure and function.

STEAM Competence Development Indicators

Indicator	Method	Situation-based introduction: Understand the structure and function of bulldozers	Hands-on practice: Design a model	Test stability improvement plans	Recreate scenarios to solve problems
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

- During interaction, focus on sharing how the bulldozer solves the problems encountered in the scenario introduction, to help children understand the bulldozer's function and role.
- Align the installation of the four wheels properly—they should be symmetrical to ensure the vehicle body is stable.
- For connecting the bulldozer blade, guide children to find suitable blocks; a common combination is a convex connector and a mechanical arm.
- Remind children to use a screwdriver and ensure every screw is tightened.

 Find These Building Blocks



 Assemble These Blocks with a Screwdriver

