

Sloped Roof Building

Applicable Age Group 4-5 year-old toddlers

Activity Objectives

- ☑ Explore the characteristics and functional roles of sloped roof structures.
- ☑ Further consolidate the indented interlocking structure through hands-on operations.

Activity Description

Buildings in daily life have different forms due to regional and climate differences. For example, in southern China, where there is heavy rainfall, building roofs are all sloped. By designing and building a house with a sloped roof by hand, children will understand the indented interlocking structure of sloped roofs, as well as the characteristics and functions of sloped roofs.

STEAM Literacy Development Indicators

Method Indicator	Game-based introduction: Understand the characteristics of a sloped roof	Hands-on practice: Build a house with a sloped roof	Test the sloped roof for water seepage (simulated)	Knowledge expansion: Optimize the scene
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

- For a gable roof (two-sided sloped) structure, both sides need to be indented simultaneously and interlocked. Indented structures are very easy to fall apart without interlocking, so be sure to remind children of this.
- When building the house, guide children to focus on the interlocking of the walls and the positions of doors and windows. The connections between doors, windows, and blocks also need to be interlocked, ensuring they are neat and tight.

 Find These Blocks



 Design a Sloped Roof House and Apply the Indented Interlocking Structure

