

Aerial Cable Car

Applicable Age Group 5-6 year-old toddlers

- Activity Objectives**
- ☑ Propose multiple solutions by analyzing problems and solve them creatively.
 - ☑ Comprehensively use mechanical structures to design models creatively.
 - ☑ Explore the application of pulley structures.

Activity Description Aim at the problem of crossing a river, propose different solutions, and finally complete the construction of the cable car structure. Fully consider the structural and safety issues during the use of the cable car, and improve the ability to solve problems from the perspective of details. Use the pulley structure to make the cable car move, and further explore the application of pulleys in daily life.

STEAM Literacy Development Indicators

Method Indicator	Situation-based introduction: Analyze problems	Build a cable car structure	Test structural stability and safety	Explore pulley structures
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 cable car cabin is a relatively closed structure; use interlocking structures as much as possible except for doors and windows.
- When building, consider the position and safety of getting on and off the cable car to ensure the safety of passengers during use.

 Find These Blocks



 Select Appropriate Building Blocks to Build the Cable Car Structure

