Expansion Clamp

Applicable Age Group 6+

Activity Objectives

☑ Understand the instability of quadrilaterals
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☑ Initially recognize levers

Activity Description In this course, children will design a telescopic clamp to learn how to grasp objects.

STEAM Literacy Development Indicators

Method / Indicator	Situation Introduction & Problem Analysis	Using Levers to Construct a Telescopic Clamp	Testing Structural Stability and Smoothness	Understanding the Application of Gears
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				

Building Block List

Construction Steps

Makerzoid(App)-Robot Master(Kit)-Soccer Competition(Set)-2 Basic-20 Expansion Clamp