

Competitive Showdown

Applicable Age Group 5-6 year-old toddlers

- Activity Objectives**
- ☑ Cultivate spatial awareness and innovative thinking, and learn to plan venues and design obstacles through games.
 - ☑ Improve hand-eye coordination, physical flexibility and teamwork spirit through block-built ball competitive games.

Activity Description The robotic arm ball-hitting competitive game not only exercises children's hand control and physical coordination, but also cultivates their innovative thinking and teamwork spirit. During the activity, closely observe children's operation, provide timely guidance and encouragement, and ensure that every child can actively participate and enjoy the game process.

STEAM Literacy Development Indicators

Method Indicator	Analyze game rules and requirements	Creatively build a competitive game using building blocks	Test the use of the robotic arm	Organize games to enjoy the fun
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 structure of the robotic arm must be stable enough to support the ball-hitting action without collapsing, and at the same time, it should be easy for children to operate and adjust.
- Designing and making a robotic arm that can hit the ball stably and is easy to operate may be challenging. Adult coaches need to provide sufficient guidance and support to help children understand the basic principles and structure of the robotic arm.

