

# Ball Maze

**Applicable Age Group** 4-5 year-old toddlers

- Activity Objectives**
- ☑ Explore the movement trajectory of small balls.
  - ☑ Identify the entrance and exit through hands-on operations.

**Activity Description** Play maze games with children. By helping small balls find the exit, children will understand the basic structure of a maze. Guide them to design a maze by themselves, clearly identify the entrance and exit, and explore the movement trajectory of small balls by operating the maze baseplate.

## STEAM Literacy Development Indicators

Method Indicator	Game-based introduction: Understand the structure of a maze	Design a maze with an entrance and an exit	Test the playability/completion of the maze game	Explore the trajectory of the small ball in the maze game
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

- When building, first determine the positions of the entrance and exit, then connect structures such as pipes or other parts.
- The interior of the maze needs to allow small balls to move freely, so measure the distance and width properly. Ensure that small balls can move from the entrance to the exit simply by operating the baseplate.

