

Drilling Machine

Applicable Age Group 4-5 year-old toddlers

- Activity Objectives**
- ☑ Explore color combinations and changes.
 - ☑ Understand the characteristics and living habits of fish.

Activity Description Learn about colorful underwater tropical fish with children. These vibrant little fish swim in groups in the sea, each with a unique shape, creating a visual feast. Through hands-on operation, children will explore color combinations and changes to build colorful fish of the seabed. They will also learn that fish breathe through gills and feed on microorganisms or small fish in the sea.

STEAM Competence Development Indicators

Method Indicator	Situation-based introduction: Understand the structure of a drill	Design and build a drill	Test the structure's stability and functionality	Simulate scenes to understand the drill's working process
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

- Screwdrivers are excellent tools for training children's fine hand movements. Therefore, require children to tighten every screw with a screwdriver during assembly.
- The connection between the drill bit and the machine body is a difficulty. Children need to find suitable connecting blocks, such as a mechanical arm and a concave connector.

