

Light Aircraft

Applicable Age Group 4-5 year-old toddlers

- Activity Objectives**
- ☑ Understand the basic structure of a light aircraft, including parts such as the fuselage, wings, and tail.
 - ☑ Stimulate children's imagination and creativity, and encourage them to independently design and build a unique light aircraft.

Activity Description

By using screwdriver blocks (a featured material), children will learn basic knowledge about light aircraft and building skills through hands-on practice. This activity also cultivates their creativity, imagination, and teamwork ability, while exercising their hand-eye coordination and spatial imagination.

STEAM Competence Development Indicators

| Method Indicator | Riddle-based introduction: Understand the appearance of a light aircraft | Build a light aircraft using engineering blocks | Test the integrity and stability of the structure | Improve scenes to understand functions |
|---|--|---|---|--|
| 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

- Explain each part of the light aircraft in detail, such as the fuselage, wings, and tail, and introduce their roles in the aircraft's flight.
- Children may not fully understand the specific structure of the light aircraft (e.g., how the wings connect to the fuselage, the position of the tail). This may lead to a built aircraft that does not match the actual one. Pay attention to the children and guide them accordingly.

- When designing the overall structure of the aircraft, balance and stability issues may arise—for example, overly large wings causing the aircraft to be front-heavy. Therefore, remind the children to pay attention to proportions during building.

Find These Building Blocks



Build the Light Aircraft Shape

