

Mosquito

Applicable Age Group

6+

Activity Objectives

- ✓ Understand the external characteristics of mosquitoes
- ✓ Know what mosquitoes like and fear
- ✓ Explain and list horizontal gear transmission

Activity Description

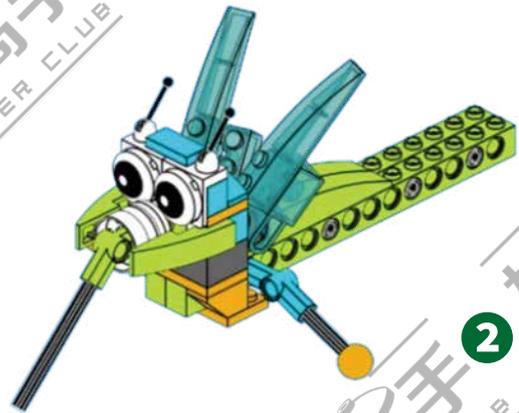
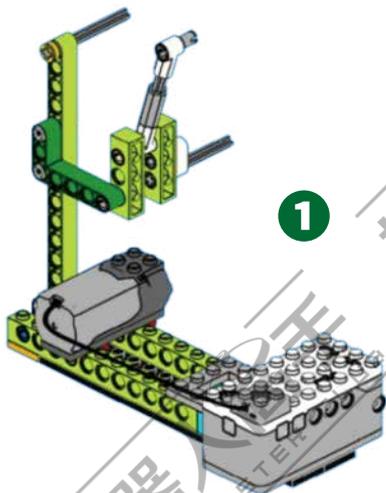
In this course, children will design a mosquito based on gear transmission.

STEAM Literacy Development Indicators

| Indicator | Method | Situation Introduction & Problem Analysis | Using Gears to Construct a Mosquito | 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

| | | | | | | | | | | | |
|--|----|--|-----|--|----|--|----|--|----|--|----|
| | X1 | | X1 | | X1 | | X1 | | X2 | | X1 |
| | X2 | | X2 | | X3 | | X2 | | X2 | | X1 |
| | X4 | | X2 | | X1 | | X3 | | X2 | | X1 |
| | X1 | | X2 | | X1 | | X1 | | X2 | | X1 |
| | X1 | | X10 | | X2 | | X2 | | X2 | | X1 |
| | X2 | | X3 | | X1 | | X1 | | X2 | | X1 |
| | X1 | | X4 | | X2 | | X2 | | X2 | | X3 |
| | X2 | | X2 | | X1 | | X1 | | X3 | | X2 |
| | X2 | | X1 | | X2 | | X1 | | X2 | | X2 |
| | X1 | | X2 | | X2 | | X2 | | X2 | | |



Construction Steps

Makerzoid(App)-Robot Master(Kit)-Soccer Competition(Set)-10 Newly Updated Programming-19 Mosquito