

# Scarecrow

## Applicable Age Group

6+

## Activity Objectives

- ☑ Recognize the structure, types and characteristics of forklifts
- ☑ Use gears, rubber band transmission and connecting rod structure to make the scarecrow perform reciprocating motion

## Activity Description

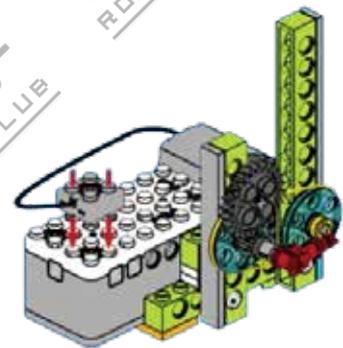
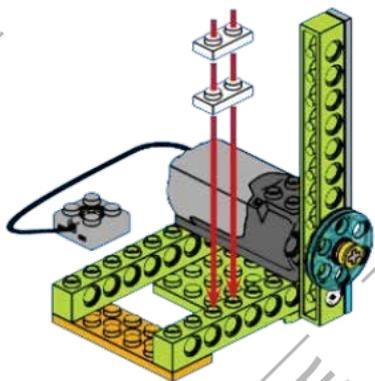
In this course, the scarecrow swings back and forth through gear and rubber band transmission to help farmers guard food crops.

## STEAM Literacy Development Indicators

Indicator	Method	Situation Introduction & Problem Analysis	Using Gears and Rubber Bands to Construct a Scarecrow	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

	X 3		X 2		X 1		X 2
	X 2		X 1		X 1		X 2
	X 3		X 4		X 3		X 2
	X 3		X 3		X 1		X 1
	X 1		X 2		X 1		X 1
	X 1		X 3		X 4		X 1
	X 1		X 1		X 3		



## Construction Steps

Makerzoid(App)-Robot Master(Kit)-Soccer Competition(Set)-5 Electric Engineering-18 Scarecrow