Score Indicator

Applicable Age Group — 6+

Activity Objectives
☑ Understand the rules of the basketball shooting machine
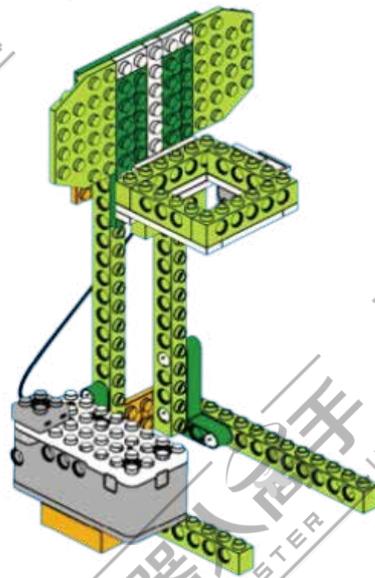☑ Understand the basic principle and structure of the shooting score indicator
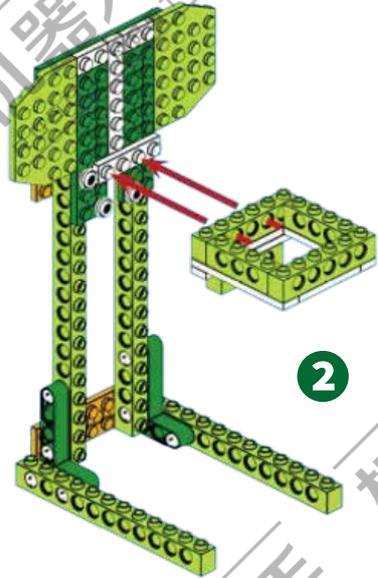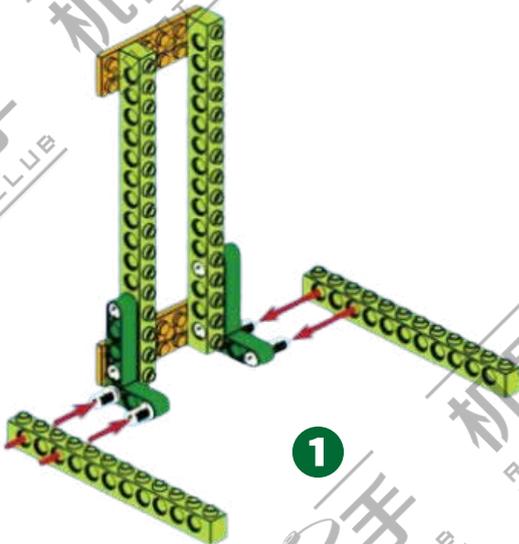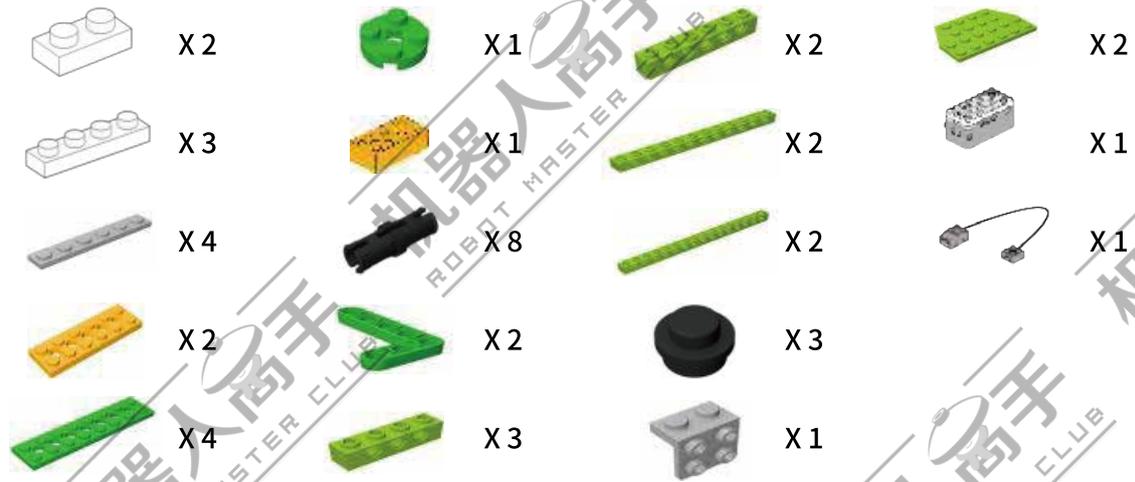
Activity Description — In this course, children will design a shooting score indicator that can automatically calculate scores when playing basketball.

⚙️ STEAM Literacy Development Indicators

Method \ Indicator	Situation Introduction & Problem Analysis	Using Gears to Construct	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 2		X 1		X 2		X 2
X 3		X 1		X 2		X 1
X 4		X 8		X 2		X 1
X 2		X 2		X 3		
X 4		X 3		X 1		

Construction Steps

Makerzoid(App)-Robot Master(Kit)-Soccer Competition(Set)-8 Jr Programming-10 Score Indicator (AI)