NASHENBOT

AI Educational Robot

---for STEAM and AI Education

>> The educational programming robot specially tailored for K-12 students worldwide <<

What you really need?

NASHENBOT

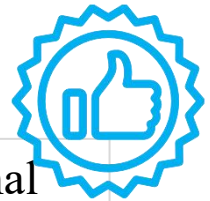
A cheap robot kit?

A coding platform?

One AI featured robot?

Robot curriculum?

A robot competition?



Empower Younger's Global Journey with an International Platform for High-Tech Learning & Cultural Exchange Through:

- ✓ Coding Robot Base – Hands-on robotics mastery
- ✓ Multinational Exchange Class – Cross-cultural collaboration
- ✓ Global Study Tour – Immerse in innovation hubs worldwide
- ✓ International Robotics Competition – Showcase skills on the global stage

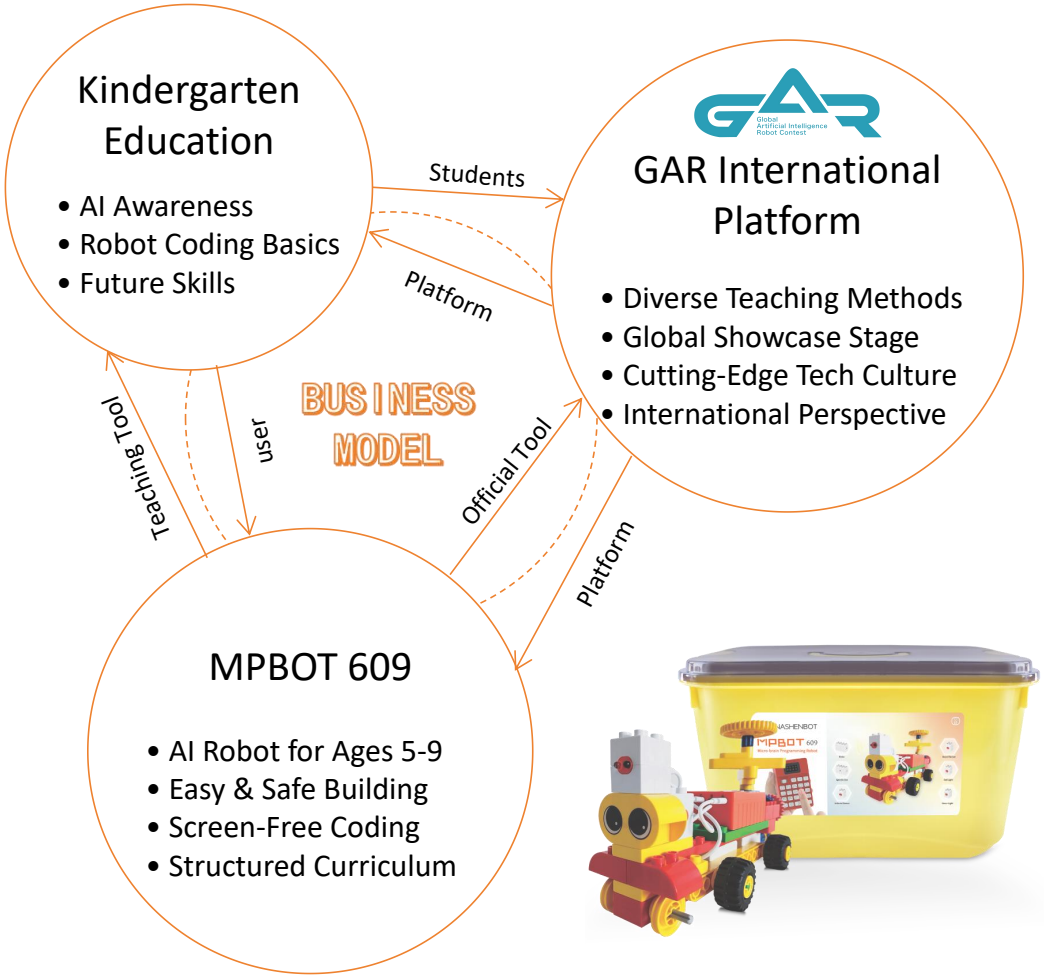
Hi Nashenbot, we are here to satisfy your real need.

Our solutions

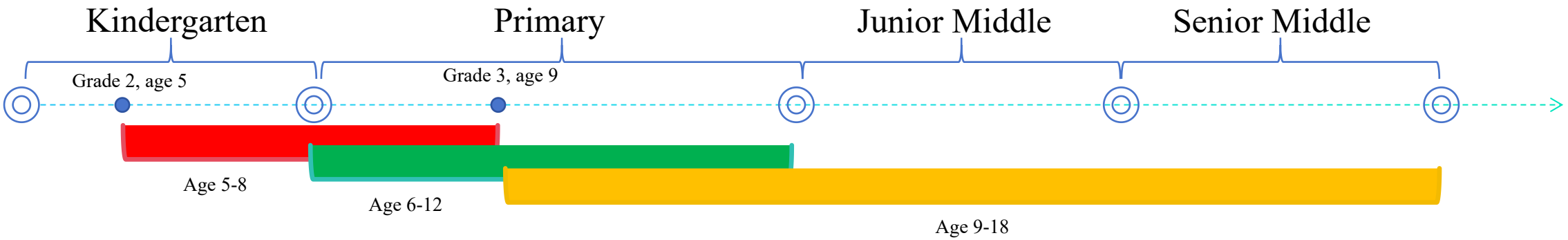
NASHENBOT

We offer more than robots—an international platform for global high-tech and cultural exchange.

Business model



K-12 Product list



MPBOT Big Block

Micro-brain programming robot for kids aged 5-8

Standard kit: MPBOT 609

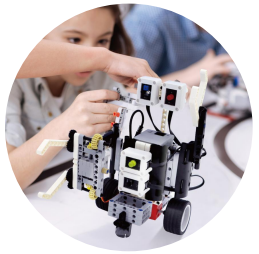
Expansion kit: MPBOT Expansion Kit S and D

MPBOT S Series

Micro-brain and PC Programming Robot

Course kit: MPBOT S1

Contest kit: MPBOT S2



AISTEAM Series

AI + Robot + Maker 3 in 1

Basic kit: AISTEAM 203S

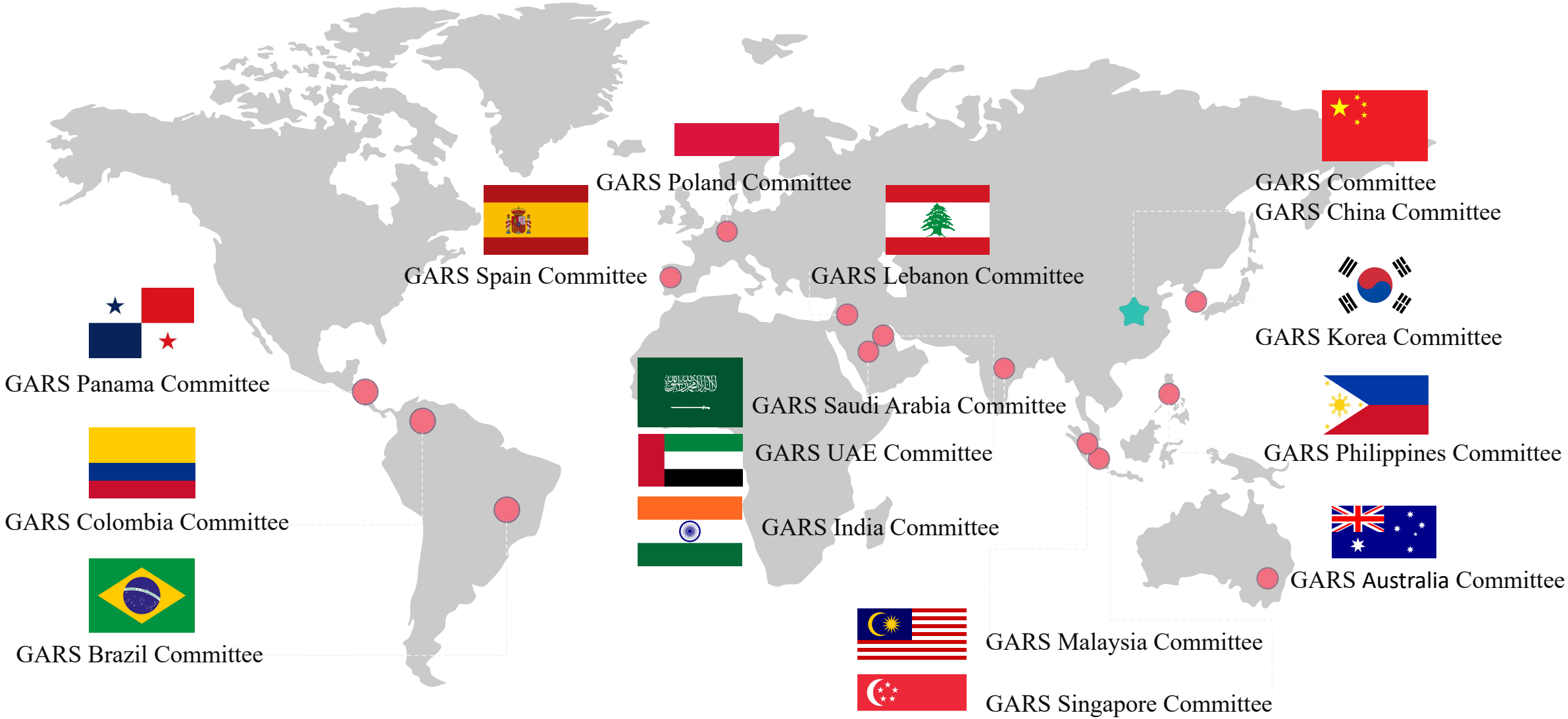
Course kit: AISTEAM 101S

Contest kit: AISTEAM 205S

GAR International Platform

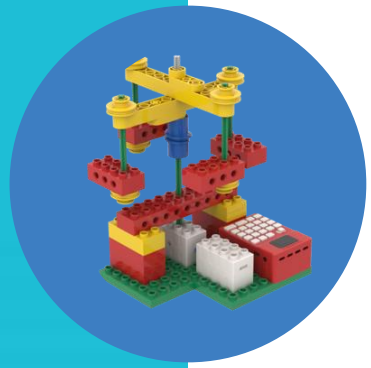
The Global Artificial Intelligence Robot (GAR) platform, led by the Global Artificial Intelligence Robot Society (GARS), is a premier global ecosystem empowering youth aged 5–18 through integrated AI/robotics education, cross-cultural exchange, and international perspective development. Key initiatives include multinational STEM-cultural exchange classes, immersive global innovation center tours study with cultural experiences, and an international robotics competition culminating in a World Championship. Together, these foster globally conscious innovators who leverage technology to bridge cultures and drive positive change.

GARS members worldwide



MPBOT Big Block

Micro-brain Programming Robot



>> An educational programming robot specially tailored for kids aged 5-8 worldwide <<

Introduction

Micro-Brain Programming Robot (MPBOT Big Block) was independently developed by Nashenbot, a cutting-edge AI educational robotics company. Designed specifically for teachers of kindergarten senior classes and primary school lower grades, this robotics kit allows students to experience the excitement of AI programming and grasp foundational concepts without requiring computers or tablets. Compatible with existing building block systems like Lego® Early Simple Machines Set 9656, the MPBOT Big Block, supported by its comprehensive curriculum, enables young learners to progressively master programming concepts.

- **Product name:** Micro-brain programming robot
- **Model name:** MPBOT609, MPBOT Expansion Pack S/D
- **Main parts:** Micro-brain controller, closed-loop motor, red light, green light, infrared sensor, sound sensor, spindle box, large blocks
- **Suitable age:** 5-8 yrs

MPBOT Big Block

Unboxing Video

YouTube link: https://youtu.be/0YZmaRb8l4s

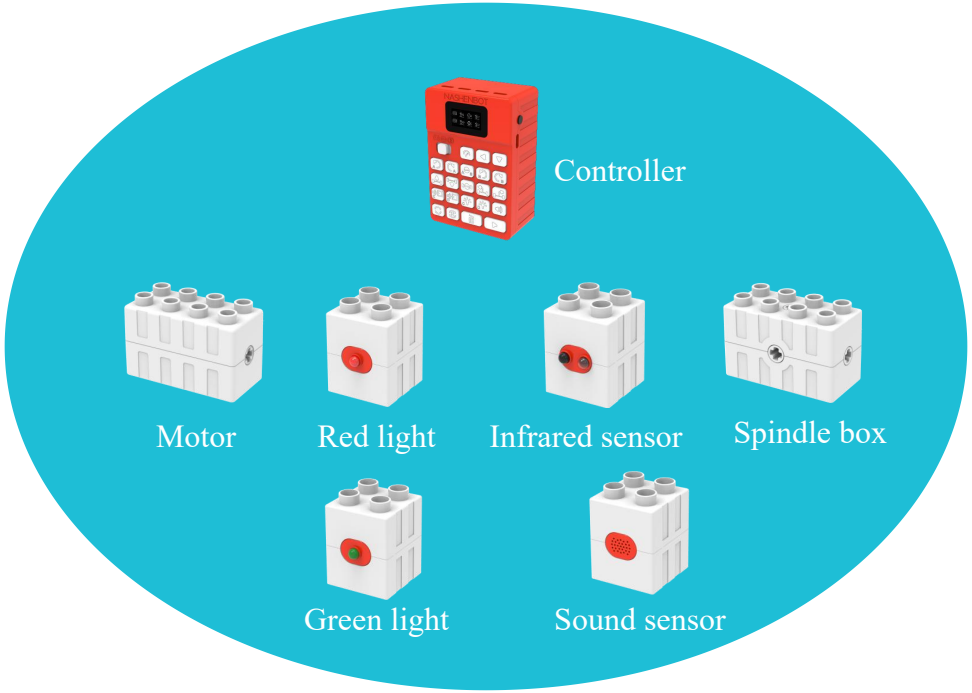
Highlight features

- ✓ Big blocks, easy building for kids;
- ✓ Screen-free, without additional tablet or PC for programming;
- ✓ Keyboard-screen interaction, more intuitive;
- ✓ Three operation models, unlimited creativity.

Key–screen interaction

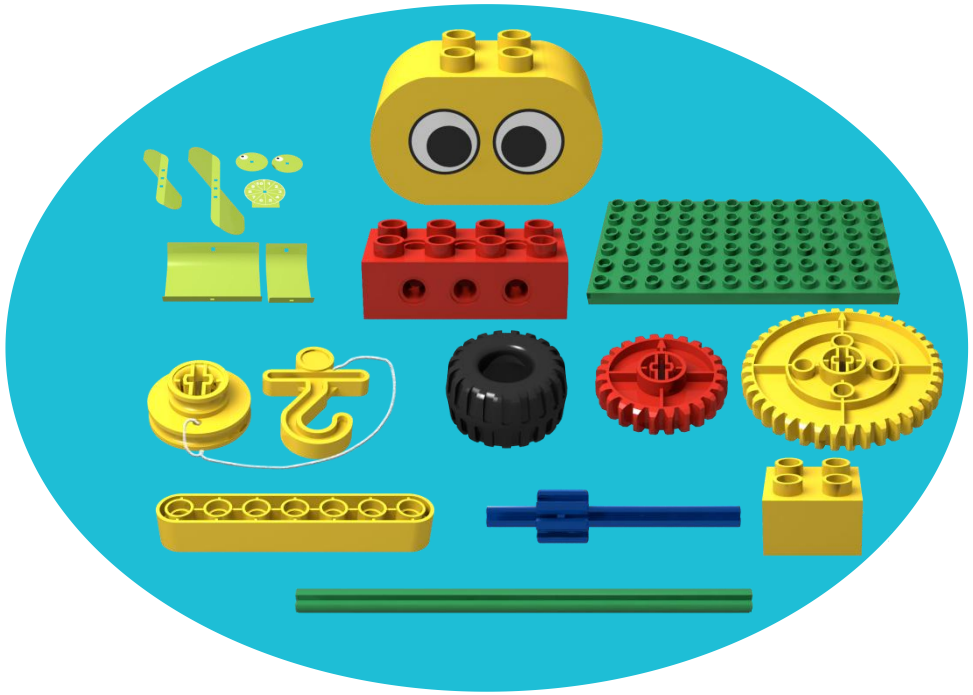
MPBOT Big Block

Hardware



Electronic parts

7 types



Blocks

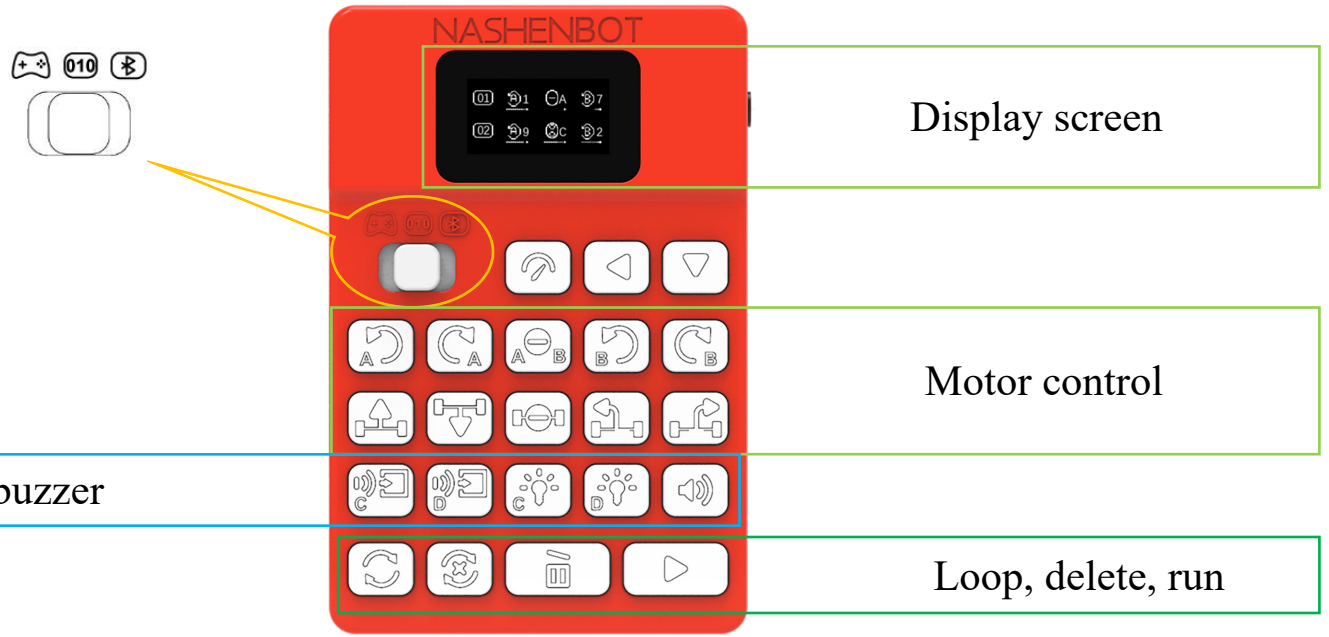
109 pieces

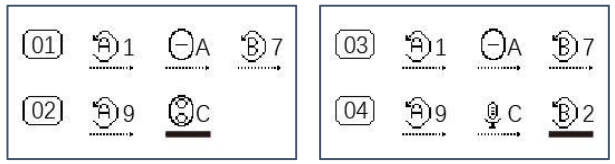
MPBOT Big Block

Software

Press buttons on controller to program, without any additional devices.

Mode 1: Real-time control
Mode 2: Key screen programming
Mode 3: Bluetooth connection





Curriculum

NASHENBOT

Main science courses:
Scientific exploration entails studying how variables influence the properties of simple machines, predicting and estimating their characteristics, conducting meticulous observations, and accurately describing and presenting the findings.

Main design and technology courses:
Develop expertise and comprehension through the utilization of diverse mechanical and structural components. Assess products based on technical standards and enhance design proficiency.

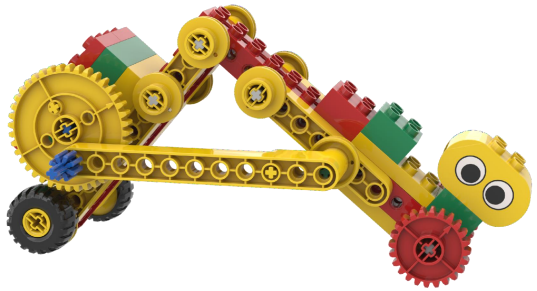
Programming courses:
Achieve varied effects by arranging and combining diverse program blocks to develop logical thinking abilities. Approach problems in a structured and analytical manner, seeking solutions through systematic reasoning.

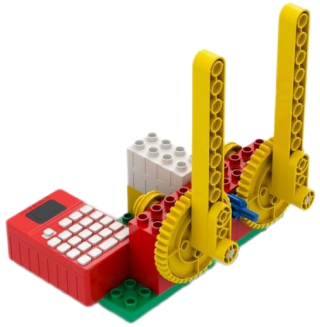
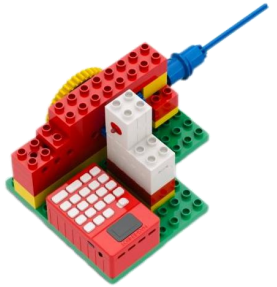
36+ curriculum

	Main science courses	Main design and technology courses	Programming courses
1. Movable long nose	✦ Research perspective ✦ Interlocking structure	✦ Material properties ✦ Design	✦ Real-time control ✦ Motor direction
2. Wipers	✦ Turbine structure ✦ Graphics	✦ Mechanism: turbine	✦ Obstacle avoidance module ✦ Motor direction
3. Drilling machine	✦ Gear transmission ✦ Luminous flux	✦ Design mechanical toys ✦ Structure and stability	✦ Real-time control ✦ Speed module
4. Night expert	✦ Rotation around an axis ✦ Circular motion	✦ Rotation around an axis ✦ Design mechanical toys	✦ Speed module ✦ Loop module
5. Gate	✦ Crank structure	✦ Mechanism: crank structure	✦ Motor direction ✦ Obstacle avoidance module
6. Elevator	✦ Crank connecting rod	✦ Mechanism: crank connecting rod	✦ Motor direction ✦ Motor speed
7. Juicer	✦ Read scale to measure water level ✦ Application of pulley	✦ Mechanism: pulley	✦ Stop module ✦ Obstacle avoidance module
8. Sluice	✦ Gear reduction ✦ Study of connecting rod	✦ Mechanism: connecting rod	✦ Loop module ✦ Speed module
9. Beneficial Insects and Pests	✦ Reciprocating motion ✦ Circular motion	✦ Mechanism: crank connecting rod	✦ Obstacle avoidance module ✦ Motion module
10. Dutch windmill	✦ Wind generation ✦ Two-point fixation	✦ Gear drive	✦ Lighting module ✦ Real-time control
11. Longevity Star	✦ Follow-up programming ✦ Gear rotation	✦ Mechanism: crank connecting rod	✦ Real-time control ✦ Obstacle avoidance module
12. Rotating Flying Chair	✦ Centrifugal force ✦ Motion trajectory	✦ Mechanism: central axis drive	✦ Lighting module ✦ Obstacle avoidance module

MPBOT Big Block

Projects





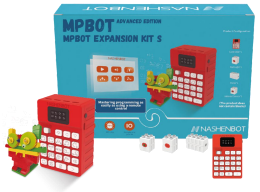





MPBOT Big Block

Kit list

Option 1: MPBOT 609, the standard kit with controller, motors, sensors, lights and blocks;
Option 2: MPBOT Expansion Pack S + D, with controller, motors, sensors and lights if 9656 kit ready.



Kit name	MPBOT 609	MPBOT Expansion Pack S	MPBOT Expansion Pack D
Scenario	Standard kit	Main expansion pack	Additional expansion pac
Controller (with lithium battery)	1	1	
Motor	2	1	1
Spindle box	2	1	1
Infrared sensor	1	1	
Sound sensor	1		1
Red light	1	1	
Green light	1		1
Blocks	109		

Compatible with Lego® Early Simple Machines Set 9656

MPBOT Big Block

Applied in GAR Platform

MPBOT big block programming robot is the suitable robot kit for **GAR International Online Exchange Class**.

MPBOT Big Block

Applied in GAR Platform

MPBOT big block programming robot is the suitable robot kit for **GAR Family Robotics Challenge**.







THANK YOU

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