makeblock

mtiny

Early childhood education robot

Ages 4+

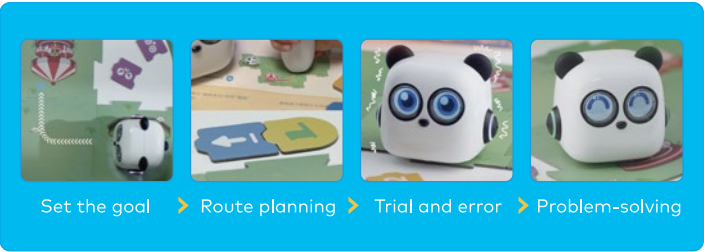|				
Foster logical thinking	Cross-curricular links	Tap to learn coding	Diversely themed resource packs	Screen-free design is easy on the eyes

mTiny is an early education robot for children growing up in the digital age. Its Tap Pen Controller is a coding tool that exercises children's logical thinking and problem-solving abilities. It brings computer programming into children's real life, using coding cards and various themed map blocks to guide the child in exploring, perceiving, and creating through highly interactive, stimulating, and fun games. The continuously updated mTiny toolkit also fosters children's interest in learning in math, English, music, and other subjects, and keeps them inspired.

Inspire learning in a fun way

Tap to learn coding

Themed maps, coding cards, an enlightening storybook, and tap-to-code interaction, all these make learning fun for children. They can develop their computational thinking by completing the tasks assigned on the storybook or play freely to discover different solutions.

Set the goal ❯ Route planning ❯ Trial and error ❯ Problem-solving

Encourage exploration through play

mTiny allows children to explore the unknown themselves, in a bid to bolster their confidence in independent thinking through having fun. It guides and encourages children to observe,discover and think in games, and motivates them to progress in their own way.

300+ Sound effects

50+ Creative combinations

30+ Map reactions

10+ Facial expressions

A scientific approach to early childhood education

Considering children's thinking and cognition, mTiny is designed with the theory of multiple intelligences to encourage early childhood education and make learning fun. To spark the interest of preschool-aged children, mTiny offers fun interactive games to foster their logical thinking and problem solving skills.

Role-playing Story acting	Linguistic	Logical-Mathematical	Coding Math
Attention, Self-reflection Build resilience, Sense of fulfillment	Intrapersonal	Spacial-Visual	Directions Geometry
	Multiple Intelligences		
Musical interaction Music scores recognition	Musical	Bodily-Kinesthetic	Puzzles, Remote control Motion-sensing
Parent-Children activities Multiplayer	Interpersonal	Science discovery	High tech enabled Exquisitely designed maps

Screen-free operation makes every game engaging

With no need to use mobile phones or tablet PCs, mTiny lowers the threshold of coding for children and protects their eyes from screen-induced damage. The physical tap pen controller, cards, and maps free children from Internet and video game distractions, and fully engage their senses in the process of exploration and learning.
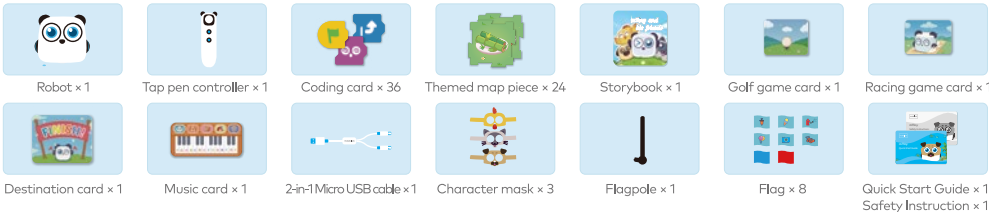
Every single part is safe

mTiny's body, maps, and coding cards are all made of eco-friendly, non-toxic materials and designed with rounded corners. The brightness and volume are set to avoid damaging eyes and hearing.

Specifications

Ages	4+	Robot				Tap pen controller			
Battery time	2.5h	Battery	1800mAh Li-Po	Input voltage	5V	Battery	300mAh Li-Po	Input voltage	5V
Distance range	Within 10m (in open areas)	Transmission	2.4GHz wireless	Input current	1.5A	Transmission	2.4GHz wireless	Input current	270mA
Map piece size	196 × 186 mm (special scenario themed piece × 4)	Output equipment	Encoder motor × 2, 1.5W Hi-Fi speaker LCD eyes × 2, RGB LED × 8			Major equipment	OID sensor 6 axis motion sensor double axis joystick button × 2 LED indicator × 6		
	186 × 186 mm (ordinary scenario themed piece × 20)	Sensors	OID sensor, 6 axis motion sensor						

In the box

Robot × 1

Tap pen controller × 1

Coding card × 36

Themed map piece × 24

Storybook × 1

Golf game card × 1

Racing game card × 1

Destination card × 1

Music card × 1

2-in-1 Micro USB cable × 1

Character mask × 3

Flagpole × 1

Flag × 8

Quick Start Guide × 1 Safety Instruction × 1

More information:
www.makeblock.com/mtiny

Contact us:
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