

makeblock

mTiny Introduction

mTiny

Ages 4+

- Fosters logical thinking
- Learn to code with a tap pen controller
- Cross-curricular links
- Themed resource packs available
- Screen free



CONTENT



OVERVIEW



SELLING POINTS



SPECS & PACKAGING



COMPETITIVE ANALISYS
(Updated later)



Kindergartens



After School Clubs



Summer Camps



Activity Centres

mTiny brief introduction

mTiny is an early childhood education robot for children growing up in the digital age. Its unique Tap Pen Controller, as a coding tool, facilitates kids' kinesthetic experience on tangible programming language. It uses physical blocks and various theme-based story maps to provide engaging simulation.

Therefore, kids can get immediate life-like feedback and generate more creative ideas during their problem-solving processes. Our mTiny toolkit encourages child-initiative learning by offering open-ended play activity packages integrated content areas including maths, music, and art.



makeblock

What's inside



Robot

- | optical identification
- | smart motor
- | 6-axis gyroscope
- | Hi-Fi Speaker
- | HD LCD screen
- | 16 million color indicator



Tap Pen Controller

- | eco-friendly & non-toxic material
- | food-grade silicone
- | 6-axis gyroscope
- | optical identification

makeblock

Interactive mode



▶ Read



▶ Action



▶ Interaction

▶ Click to play the video

Coding is so easy

Explorer Mode



Coding Mode



CONTENT



OVERVIEW



SELLING POINTS



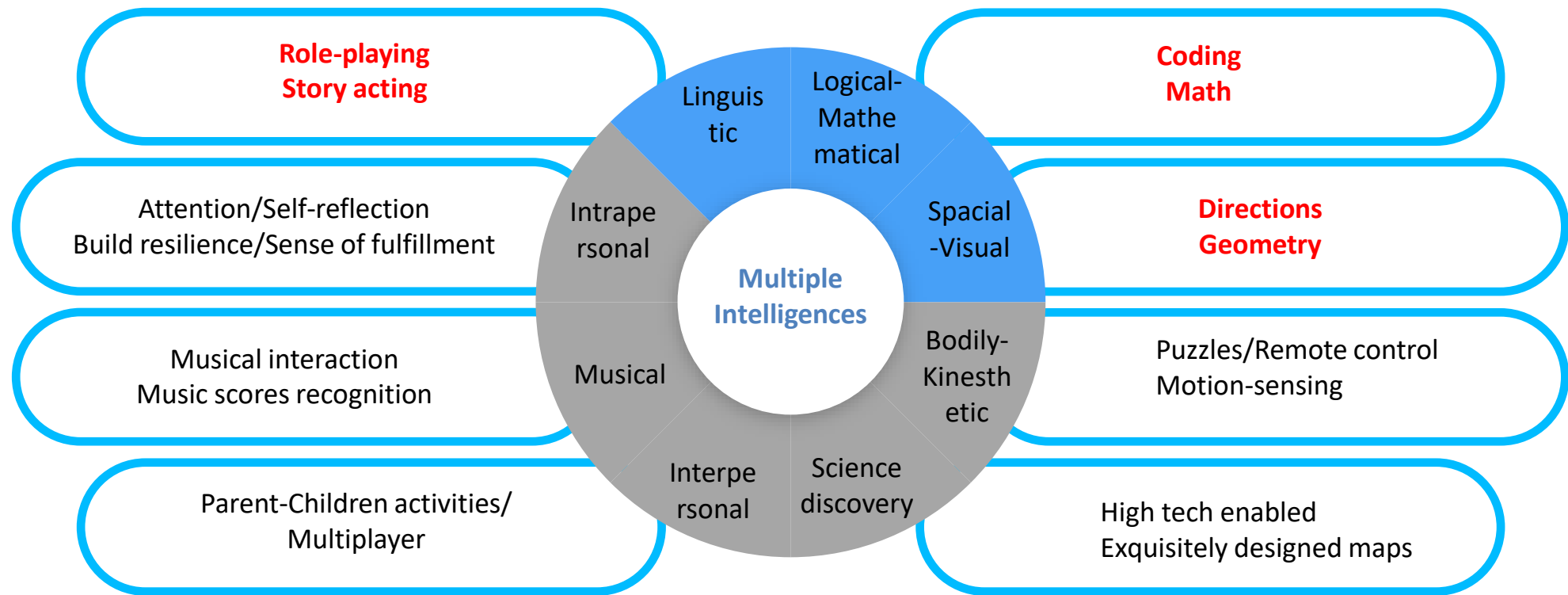
SPECS & PACKAGING



COMPETITIVE ANALISYS
(Updated later)

Multiple Intelligences

mTiny was designed with Multiple Intelligences Theory in mind. Logical thinking and problem solving skills can be fostered through interactive games that truly engage younger children at the level and pace they are capable of.



Interact with the Map for fun and Learning

mTiny comes with an easy to use tap pen controller and an interactive map which distinguish it from other products. Combined with a range of coding games at different responds to young children to spark their passion for discovery and learning. Through playful games children develop their logical levels, thinking and problem-solving skills, equipping them with foundational skills that can later lead to higher order thinking



Touch & Read



Motion-sensing



Control



a. Talking pen makes learning code easier



b. Playful interactive map



Sound



Emotion



Action

How to use mTiny learn computational thinking

mTiny comes with a tap pen controller and an interactive map which distinguish it from other products. They are easy to use. Combined with a range of coding games for different levels, mTiny interacts with young children to spark their passion for discovery and learning. Through games, children develop their logical thinking and problem-solving skills, equipping themselves with lifetime learning abilities.



Understanding
/Decomposition



Pattern recognition
/Route planning



Abstraction
/Trial& Error



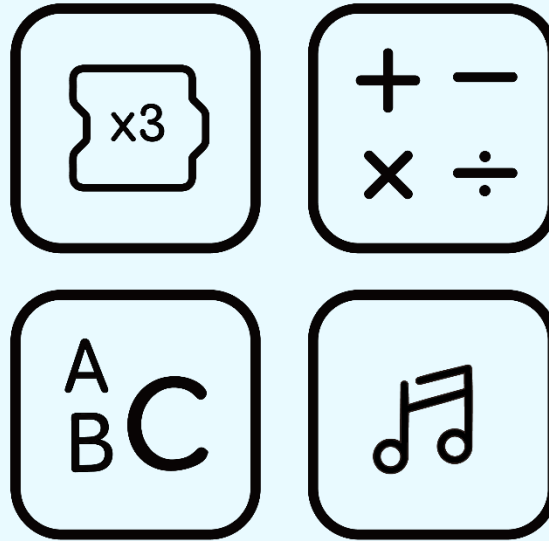
Algorithms
/Problem-solving



Click to play the video

A Fusion of Cross-curricular Contents

mTiny exposes young children to concepts such as math and music. Designed (in alignment) with modern educational philosophies in mind , mTiny finds a better way to spark children's curiosity for knowledge and develop their logical thinking from an early age.



Coding

English

Math

Music

*More subjects packs will be released later.

makeblock

Screen-free Multisensory Learning

No external devices are required to work with mTiny, making it a screen free coding solution . mTiny enables children to engage different senses to increase attention and explore the world around them.



Interaction-based Way to Explore the Real World

Of course, with mTiny, children can be independent learners. But mTiny also provides another opportunity - they can play. multi-player games with friends and explore the world together with people they love. During these processes, children can build bonds with others and develop their social skills.



Social Interaction



Parent-Child Interaction



Storytelling skill

Imagination and Creativity

Exploration



Multi scene details



Multi Interaction



Puzzle design



Story Acting



Imagination



Role Play



makeblock

Changeable Look Makes mTiny Lovable



- 10+ Emotions
- 300+ Sound effects
- Panda-like look Movement skills Cool motion skills



makeblock

Every Single Bit is 100% Safe



- Eco-friendly & Nontoxic materials
- Food-grade silicone
- Safe rounded corners design
- Lead-free
- Human-skin-like material
- RoHS certified
- Great performance in reliability testing such as dropping resistance and extrusion resistance.

CONTENT



OVERVIEW



SELLING POINTS



SPECS & PACKAGING



COMPETITIVE ANALISYS
(Updated later)

Basic	
Distance range	within 10m (in open areas)
Map piece size	196x186mm (special scenario themed piece x 4
	186x186mm (ordinary scenario themed piece x 20
Ages	4 +
Battery time	2.5h
Robot	
Battery	1800mAh Li-Po
Input voltage	5V
Input current	1.5A
Output equipment	encoder motor x 2/1.5W Hi-Fi speaker/LCD eyes x 2/RGB LED x 8
Sensors	OID sensor/6-axis motion sensor
Transmission	2.4G Hz wireless
Tap pen controller	
Battery	300mAh Li-Po
Input voltage	5V
Input current	270mA
Major	OID sensor/6-axis motion sensor/double-axis joystick/button x 2/LED indicator x 6
Transmission	2.4GHz wireless



Name	Quantiy
Robot	1
Tap pen controller	1
Code card	36
Themed map piece	24
Story book	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



mTiny VS BeeBot

	BeeBot	mTiny	mTiny Advantages
Picture			More attractive design with round corner, safe for children
Price	\$84.95	\$149.00	
Packing List	BeeBot x 1 User Guide x 1 USB Charging Lead	Robot x 1 Tap Pen Controller x 1 Coding Card x 36 Themed Map Piece x 24 Story Book x 1 Golf Game Card x 1 Racing Game Card x 1 Destination Card x 1 Music Card x 1 2-in-1 Micro USB Cable x 1 Character Mask x 3 Flaghold x 1 Flag x 8 Quick Start Guide x 1 Safety Instruction x 1	More contents for more playing methods

	BeeBot	mTiny	mTiny Advantages
Picture			More attractive design with round corner, safe for children
Suitable Age	3+	4+	
Control	Button	Remote Controller Tap	Better using experience
Power	500mAh Li-Po Rechargeable Battery	Robot: Built-in 1800mAh Li-Po Rechargeable Battery Tap Pen Controller: Built-in 300mAh Li-Po Rechargeable Battery	Longer using time
Speaker	Yes	Yes	Hi-Fi Speaker
Interactive Map	N/A	Yes	Better using experience
Interactive Design	Sound, light	10+ facial expressions, 30+ map reactions, 50+ creative map combinations, 300+ sound effects	More interesting, more attractive to children
Transmission	N/A	2.4GHz wireless(10m on open ground)	Better using experience
Sensor	N/A	Optical Identification Sensor(OLD Sensor), Gyroscope Sensor, Motion Sensor	More ways to play
Coding Method	Press the button	Tap, Joystick	More ways to learn
Display	N/A	LCD	Better using experience
Indicator	Single Color LED	16 million color Indicator with LCD eyes	Better using experience
Motion Game	N/A	Yes(Gold, Racing, etc.)	More ways to play

makeblock



Technology makes Education better