mTiny Introduction

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mTiny

Ages 4+

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

CONTENT

1 OVERVIEW

2 SELLING POINTS

3 SPECS & PACKAGING

4 COMPETITIVE ANALISYS
(Updated later)

Usage scenarios

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.

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

Click to play the video

CONTENT

1 OVERVIEW

2 **SELLING POINTS**
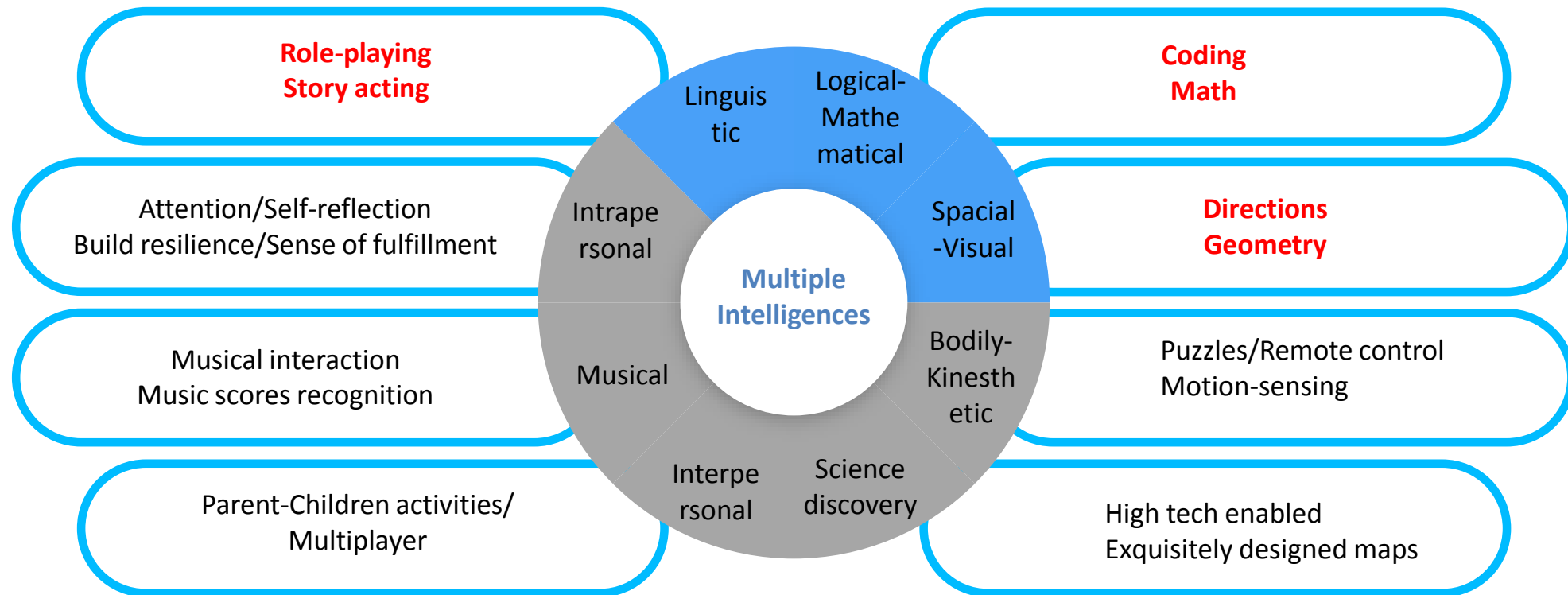
3 SPECS & PACKAGING

4 COMPETITIVE ANALISYS
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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.

Role-playing
Story acting

Attention/Self-reflection
Build resilience/Sense of fulfillment

Musical interaction
Music scores recognition

Parent-Children activities/
Multiplayer

Linguistic

Logical-Mathematical

Intrapersonal

Spacial-Visual

Multiple Intelligences

Musical

Bodily-Kinesthetic

Interpersonal

Science discovery

Coding
Math

Directions
Geometry

Puzzles/Remote control
Motion-sensing

High tech enabled
Exquisitely designed maps

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.

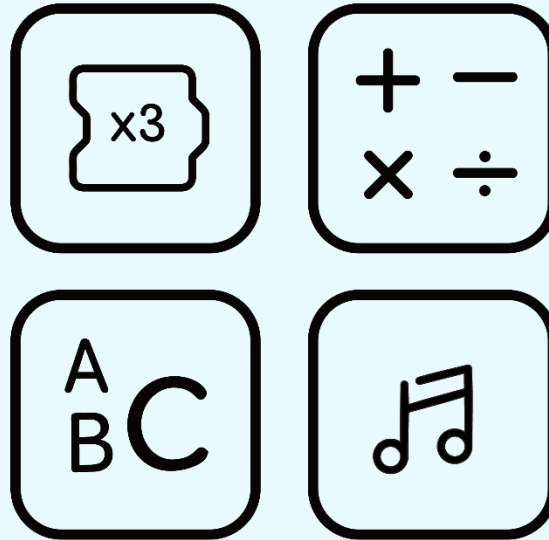▶ **Understanding /Decomposition** → ▶ **Pattern recognition /Route planning** → ▶ **Abstraction /Trial& Error** → ▶ **Algorithms /Problem-solving**

▶ Click to play the video

A Fusion of Cross-curricular Contents

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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.

Screen-free Multisensory Learning

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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

Changeable Look Makes mTiny Lovable

- 10+ Emotions

- 300+ Sound effects

- Panda-like look Movement

  skills Cool motion skills

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.

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4 **COMPETITIVE ANALISYS (Updated later)**

makeblock Specifications

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

Part Lists

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

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Technology makes Education better