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# Code Series Overview & Syllabus

Code

Series

Lesson

MainBoard

Programming Method

Age

Playset Lesson

Code Playset

Plug-and-Play

4+

Starter Lesson

Code Starter

Pre-Programmed mode

5+

Code Lesson 1

Code 1

Card-Swiping Programming

7+

Code Lesson 2

Code 2

Block-Based Programming

9+

Code Lesson 3

Code 3

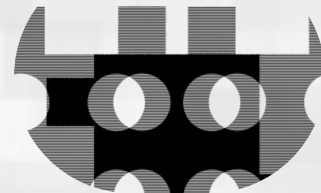
Text-Based Programming

12+

Code Series  
Overview / Creation

# Code

# Playset



Lesson 1 Living Room

Lesson 2 Little Room

Lesson 3 Toothbrush And Mug

Lesson 4 Electric Fan

Lesson 5 Shopping Trolley

Lesson 6 Ambulance

Lesson 7 Pedestrian Bridge

Lesson 8 Guitar

Lesson 9 Piano

Lesson 10 Drum Kit

Lesson 11 Compass

Lesson 12 Conveyor Belt

65% of the syllabus focus primarily on building construction,  
35% of the syllabus incorporate **Code** **Playset** to  
bring creations to life !

**Code** **Playset** support four modes:

- Forward, backward, turn right, and turn left.

# Code

# Starter



Lesson 1 Gadget Arm

Lesson 2 Balance

Lesson 3 Beach Chair

Lesson 4 Tricycle

Lesson 5 Slingshot Airplane

Lesson 6 Electric Fan

Lesson 7 Merry-Go-Round

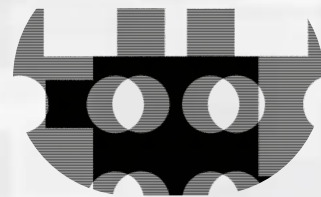
Lesson 8 Bumper Car

Lesson 9 Extendable Punch

Lesson 10 Rabbit

Lesson 11 Snail

Lesson 12 Otter



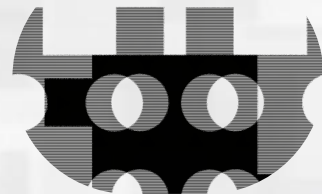
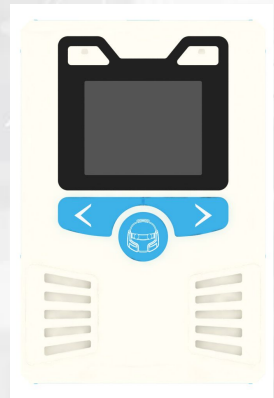
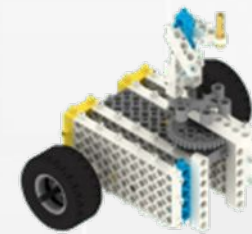
25% of the syllabus focus primarily on building construction,  
75% of the syllabus use the **Code Starter** boards to  
bring creations to life!

**Code Starter** support four modes:

line tracking, obstacle avoidance, object following,  
and remote control.

# Code

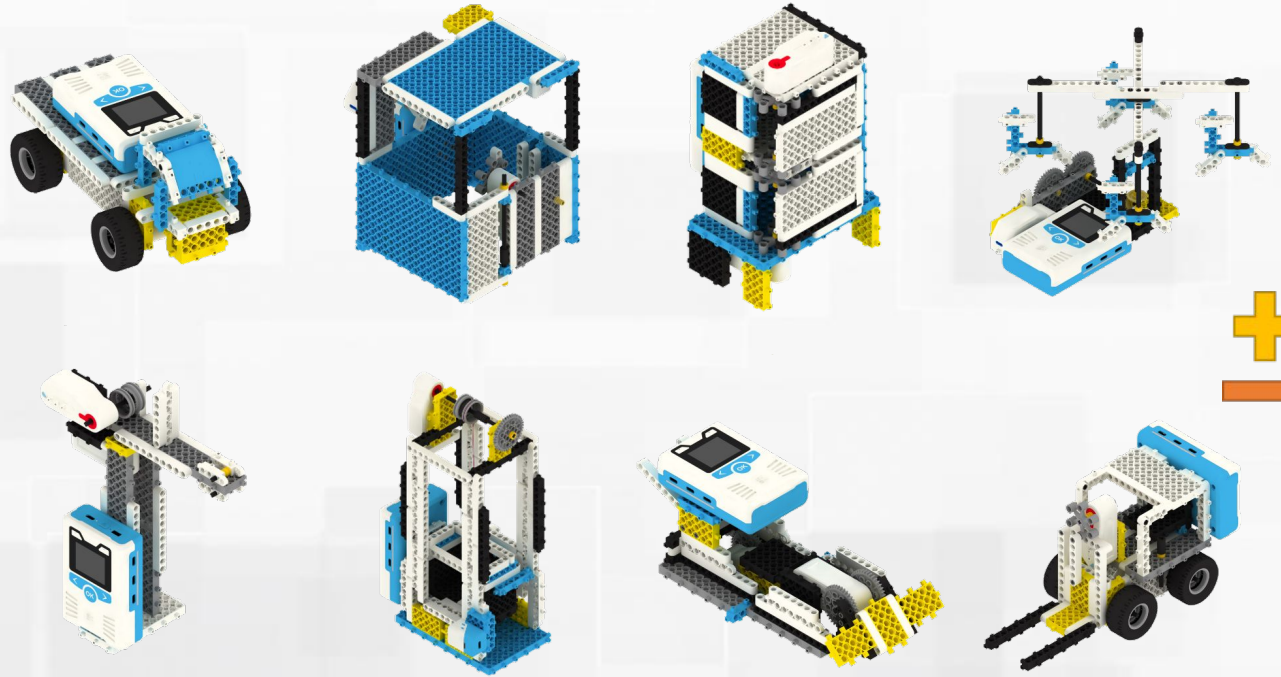
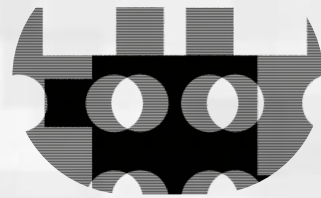
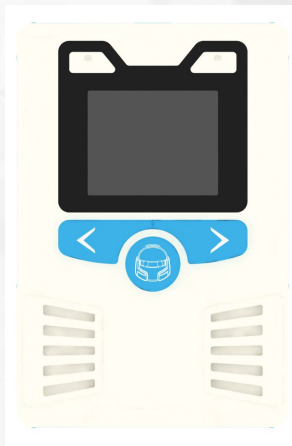
# 1



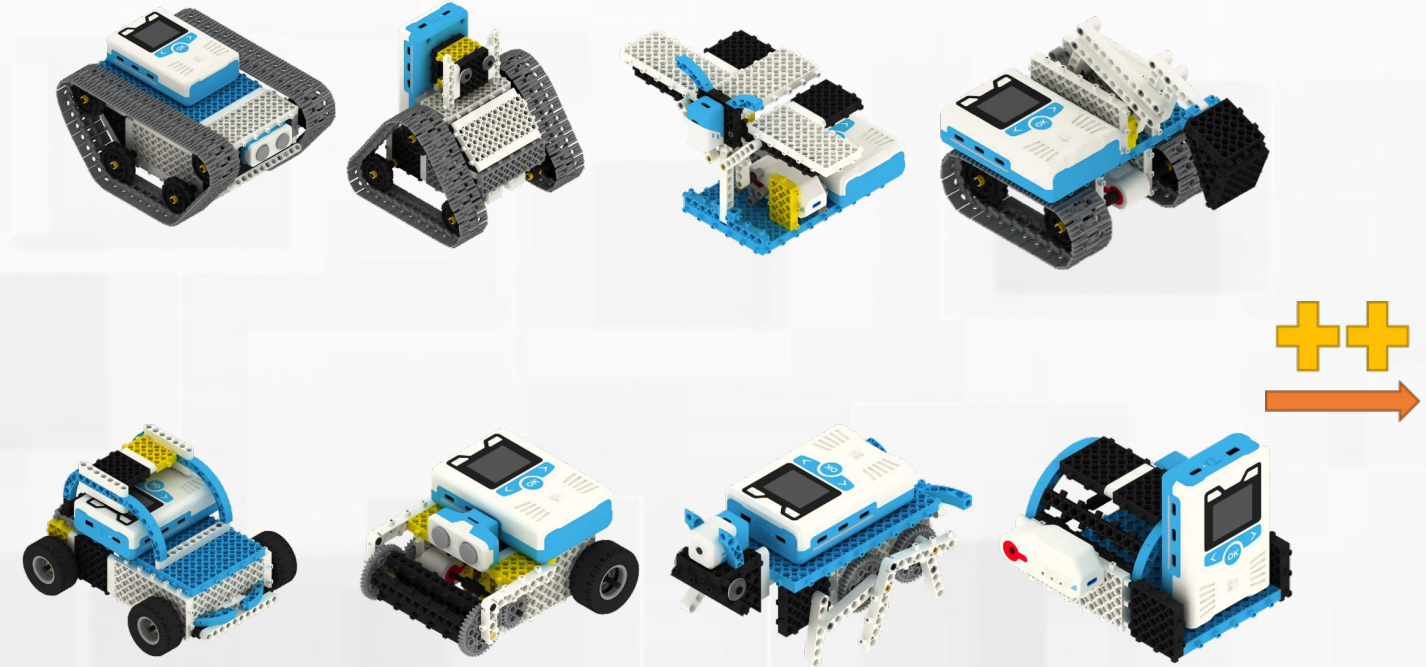
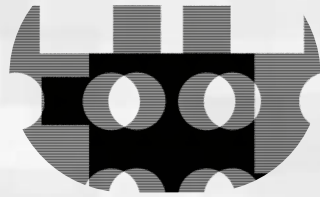
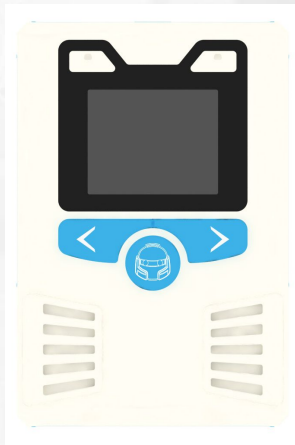
Unlock creativity with Code 1! Our card-swiping programming syllabus lets students bring their ideas to life while sparking curiosity about the world around them. A fun, hands-on way to boost coding skills and creativity with a different modules.

# Code

## 2



Unlock coding potential with Code 2! Explore block-based programming through themes like Smart Harbor, Smart Community, Smart Athletics, and Smart Aerospace. In foundation, advance further with Smart Home and Smart Healthcare modules, boosting creativity and problem-solving skills.



Code 3 takes coding to the next level with Python text-based programming, empowering students to become true creators. Let's dive into exciting themes like Smart Agriculture and Smart Transport, designed to enhance skills, spark innovation, and grow alongside technology!

# CodeSpark Series Mainboard



**Code Playset**

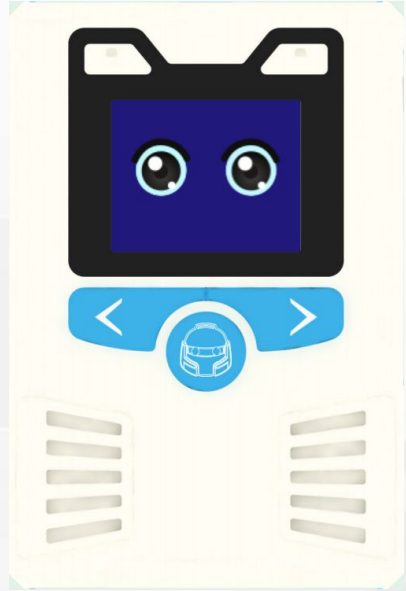
- 2 Input/Output port;
- Four modes:  
Forward, backward, turn right , and turn left .
- Plug-and-Play



**Code Starter**

- 4 Input/Output port, can used for encoder motor and IR sensor
- Four modes:  
line tracking, obstacle avoidance, object following, and remote control.
- Basic set for Plug-and-Play, can upgrade to Block-Based programming

# CodeSpark Series Mainboard



**Code 1**

- 6 Input/Output port;
- Card-Swiping Programming;
- Function Card and Model Card



**Code 2, Code 3**

- 6 Input/Output port;
- Block-Based programming;
- Python-Based programming;
- Graphical programming Software.



# Thank You

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