

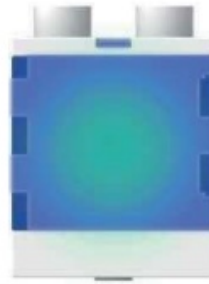
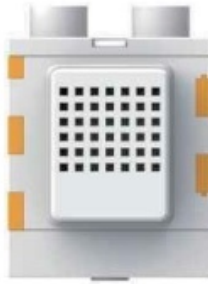


CREAMO ADDI001DI Smart Interactive Block Instruction Manual

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Education Platform
You can make anything you imagine, and play with them
Smart Interactive Block

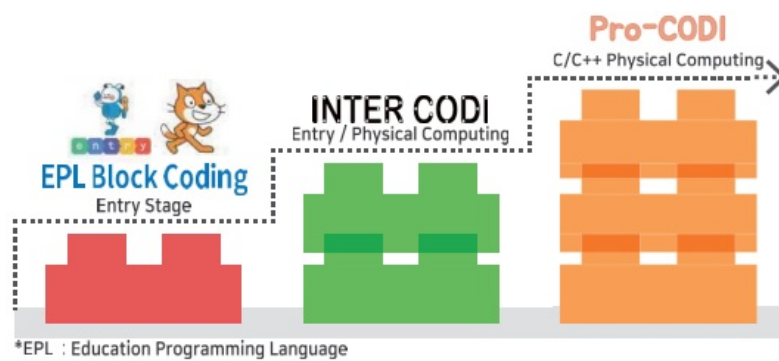


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CREAM Education Platform

STEAM, Maker, and S/W Programming & Physical Computing Education are available on CREAM Education Platform compatible with LEGO Duplo Bricks.



Smart Interactive Block

Smart Interactive Block includes a total of 10 blocks having different functions from each other. Various I/O(input/output) devices and sensors are built-in blocks having the same dimensions as the conventional block products.



Motor Block

Move objects by rotating shaft



Word Block

Display characters with dots



CDS Block

Measure ambient brightness



Signage Block

Display with nine LEDs



Switch Block

Input button for switching on/off



LED Block

Emit light by mixing red, blue, and green lights



Speaker Block

Sound comes out



Temp.-Humidity Sensor Block

Detect temperature and humidity of environment

Cream Create Board: This is a dedicated board that allows you to charge your Smartblock with a regular Lego block.

ADDI Block Package

Subject to this certification

Standard Kit



Smart Interactive Blocks x 10

- Motor x 2
- LED x 3
- Dial x 1
- Switch x 1
- Word x 1
- Speaker x 1
- Number x 1
- Block Charger
- USB Cable (Spin)
- Wheels x 2

Robot Kit



Smart Interactive Blocks x 6

- Motor x 2

- LED x 1
- Dial x 1
- Switch x 1
- Speaker x 1
- Block Charger
- USB Cable (Spin)
- Wheels x 2

My RC Car Kit



Smart Interactive Blocks x 5

- Motor x 2
- LED x 1
- Dial x 2
- Multi USB Cable
- Wheelsx 2
- Bricks x 15pcs

ADDI Block Activity

- **ADDI Creation Activity**

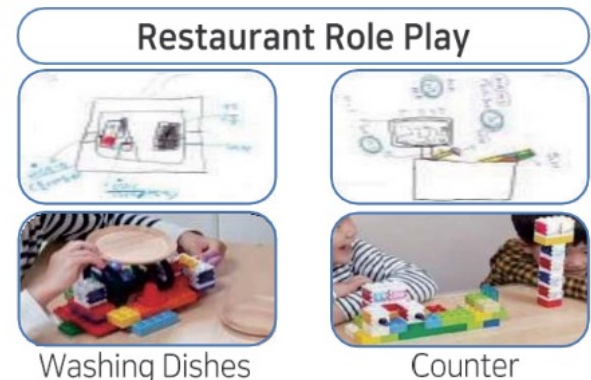
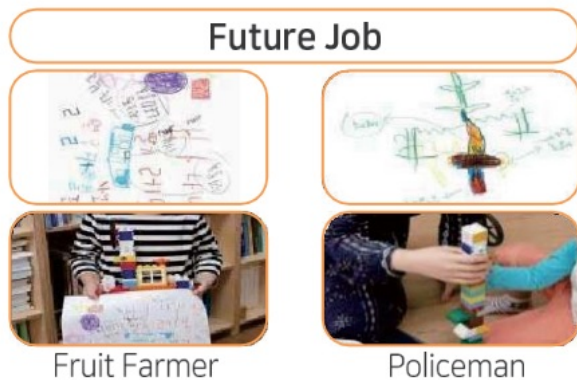
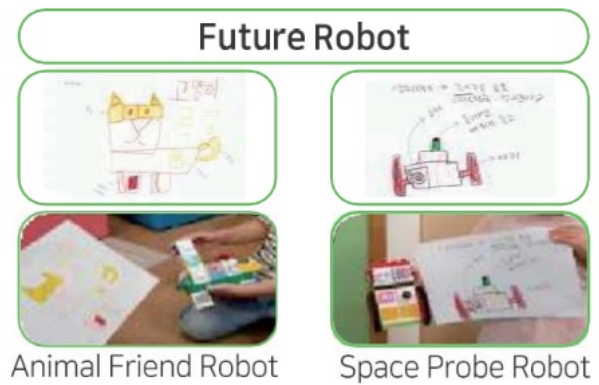
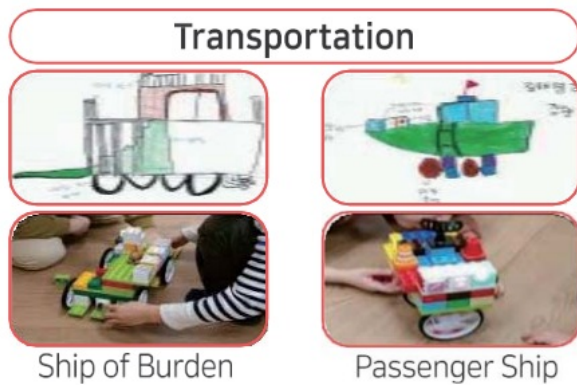


A future smart toy which children can imagine and design their own creation that can move makes sound and emits light.

- **ADDI Block is a bridge that transforms kids' ideas into the real world.**



- **Kids are geniuses of imagination and creativity.**



INTERCODI Package

The INTERCODI is a product for educating software and coding, allowing blocks to be controlled through Arduino or Raspberry Pi with contents coded using a PC or a tablet. The coding can be performed with a sketch for Arduino coding and Python for Raspberry Pi coding as well as scratch and entry. The INTERCODI can be used for elementary school students to adults as an educational tool for improving logical thinking ability and creativity.



Expert Kit

Smart Interactive Blocks x 18



Basic Kit

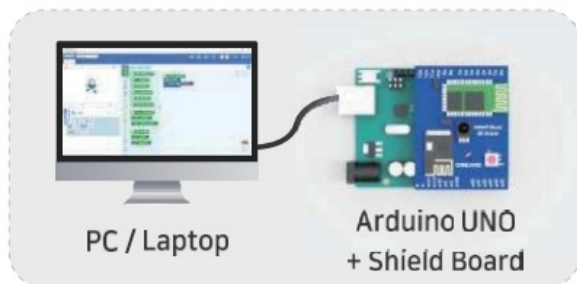
Smart Interactive Blocks x 12



Edu Kit

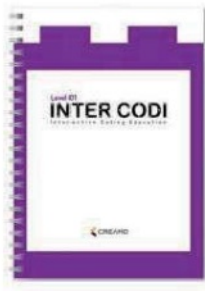
Smart Interactive Blocks x 7

NTERCODI Block Activity



Controllable Movement

Textbooks and Program Example



Beginner



Intermediate



Advanced



Smart Interactive Block can be coded with App Inventor,
Entry, Scratch, and Arduino.



App Inventor



Entry



Scratch



Arduino

Education Activity

CREAMO Inc. has been executing STEAM education using Smart Interactive Block for children by sustainedly attending various festivals and events since 2017.

Pictures from Education Activities



2019 National Children's
Science Center



2019 Coding class at Muhak
Middle School



2018 Hongik University
Coding club



2017 Children's Day



2017 Animation Museum



2017 Chuncheon Toy Festival

N0.1 **STEAM** TOY

Smart Interactive Block Art Work



Colorful My Home



Cyber Formula



Creabot



Winter Friends



Pit-a-pat My Heart



Customizable shop sign

CREAMO Inc. is a corporation founded based on technology fund from the Korea Institute of Science and Technology (KIST) to commercialize smart toy blocks developed at the KIST in the form of government support projects over the years, developing, producing, and selling information communication technology (ICT)-based smart toy blocks.

The smart block of CREAMO Inc. is a novel coding platform that can implement education of software and physical coding, making a smart toy fully compatible with the conventional commercial block products.

CREAMO Inc.'s future plan is to expand the scope of developing technology from product development for medical application and rehabilitation, Internet of things (IoT), artificial intelligence (AI) toy, and robots to merging with virtual reality (VR) augmented reality (AR), and mixed reality (MR) technologies.

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KIST Technology-Contributing Company

FCC Caution

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.


Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions,

may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

Documents / Resources

	<p>CREAMO ADDI001DI Smart Interactive Block [pdf] Instruction Manual ADDI001DI, 2AZOWADDI001DI, ADDI001DI Smart Interactive Block, Smart Interactive Block</p>
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