



Build & Code with CHINGUBOTS

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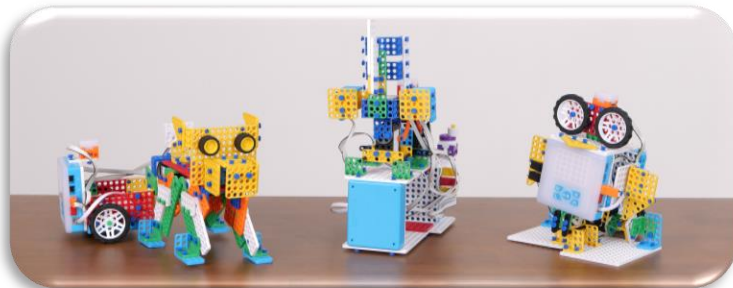


About us

ChinguBots is a robotics company aimed at bringing state of the art, futuristic robotics and coding education to South Africa.

Our mission:

- Accessible robotics education for all ages
- Hands-on learning
- Comprehensive learning resources
- STEAM Education
- CAPS aligned curriculum integration
- Provide students with essential skills: problem-solving, critical thinking, teamwork and creativity.



Why ChinguBots?



Cost effective



Mostly CAPS-aligned



STEAM Education



Hands-on Learning

Globally recognized products



Philippines



Thailand



Australia

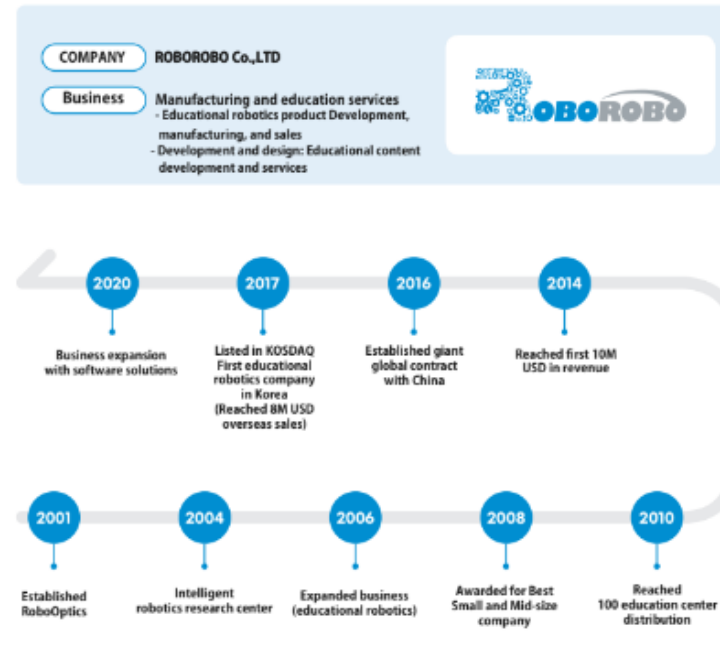


China



United States

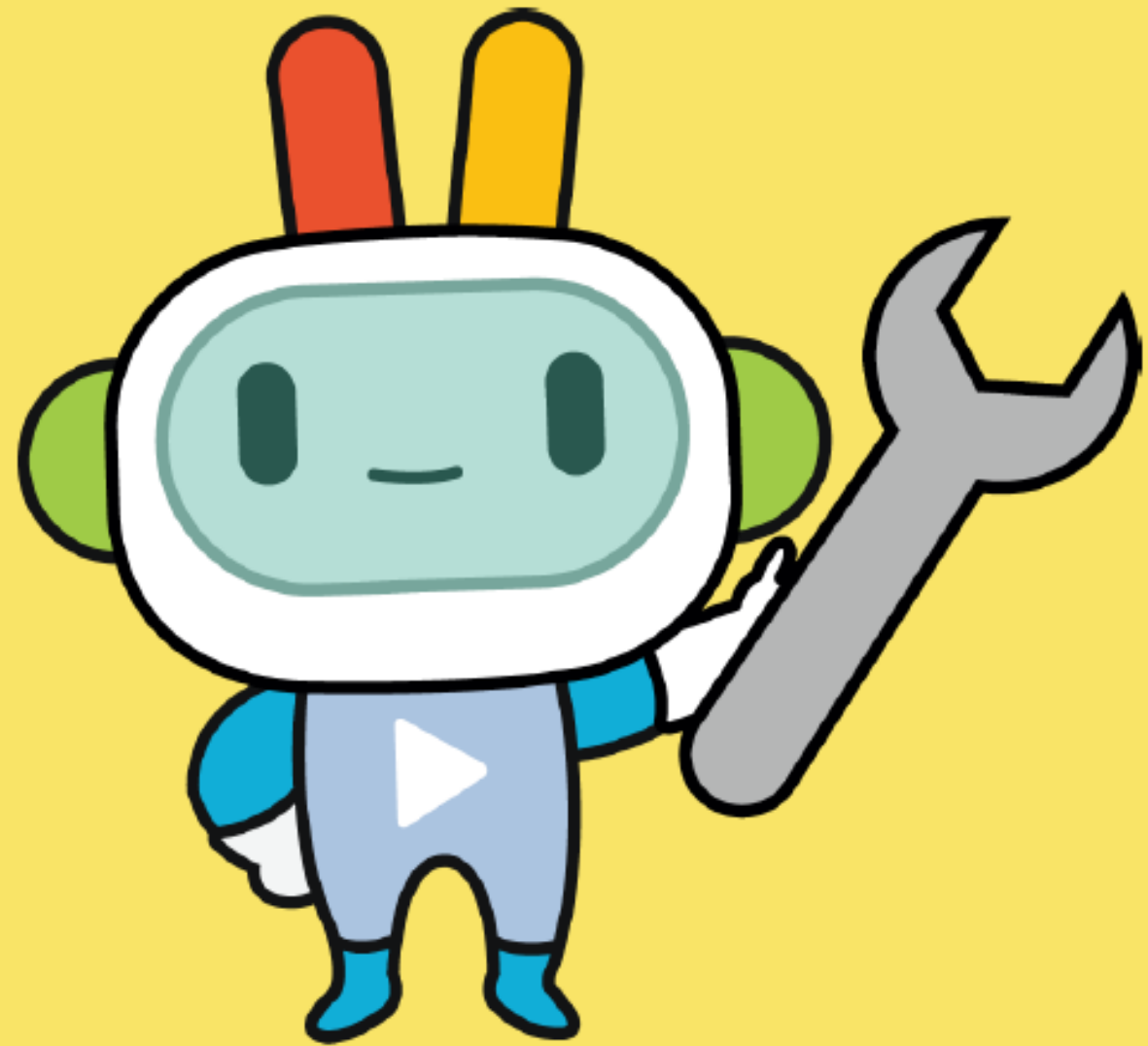
Partnered with RoboRobo, a globally recognized company.





Ages 6-11

Where robots, coding
and play come
together!



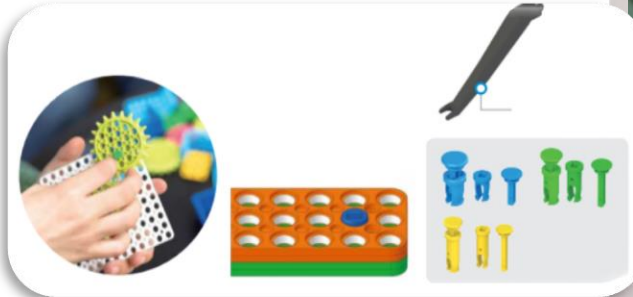


Unplugged Coding!

AIKIRO is designed for ages 6-11 to help children customize their robots using various frame modules and program codes using coding pens and cards. With this easy-to-build-and-code curriculum, children will learn the fundamentals of robotics engineering with easily understandable instructions and illustrations.

Easy-to-build with rivets

AIKIRO has an improved design using sturdy rivets for construction. The connected parts can easily be removed using a plier.



Unplugged Coding Tools

Code with PEN and CARDS. The OID code reading pen is exclusively compatible with the reading cards. Children can learn coding algorithms easily with step-by-step instructions.

The OID code reading pen is exclusively compatible with coding cards.

01 Unplugged Coding

No need for a computer

02 Easy and accurate

Fast and accurate OID recognition

03 Easy to learn Algorithms

Step-by-step learning by reading each coding card in orderly sequence

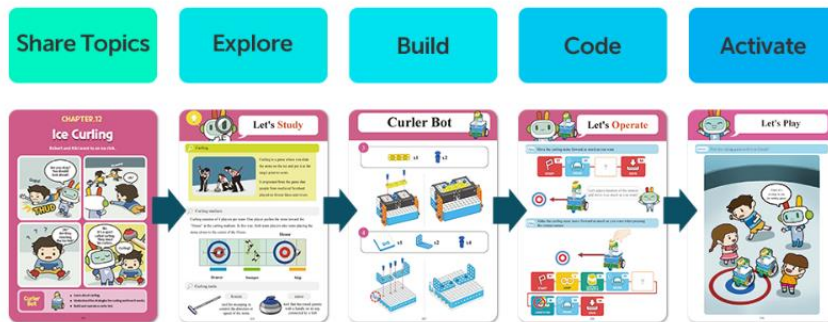


"Click" to build, "tap" to code!





AIKIRO workbooks are story based, following Kiki, a robot who crash lands on Earth and starts teaching a family about robotics and coding.



Kiki takes you through the basics of coding where she guides you through coding sequences and gives you the opportunity to create your own.



Story Based Workbooks!



Boost your creativity with a variety of analog and digital input sensors, capable of recognizing the surrounding environment and control various outputs.

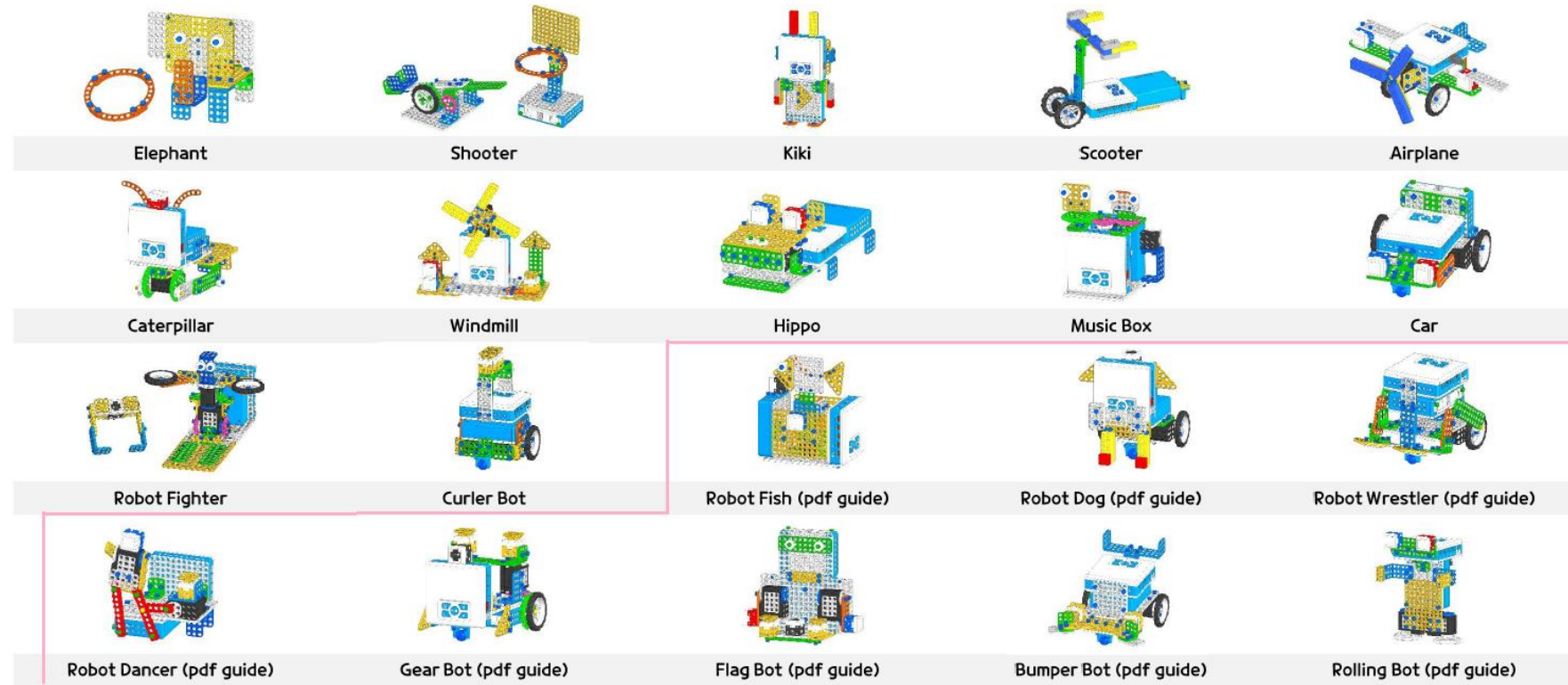
Level 1



This course provides kids with a comprehensive understanding of the fundamentals of robot assembly and structure. They explore various frames, battery packs and use rivets to enjoy a hands-on experience.

Focused on the basics of coding, kids will learn how to use a coding pen and coding cards which consist of a array- or pattern-like coding. This prepares them for more complex coding in the future, like block coding and line coding.

Kids will have the opportunity to cultivate their creativity, logical thinking, and imagination as they create and bring robots to life.























The above 8 Robot-lessons are not in the workbooks and can be requested, free of charge.

Level 2

In this course, kids further their knowledge and understanding of robotics by adding more complex coding cards and patterns as well as a remote control.

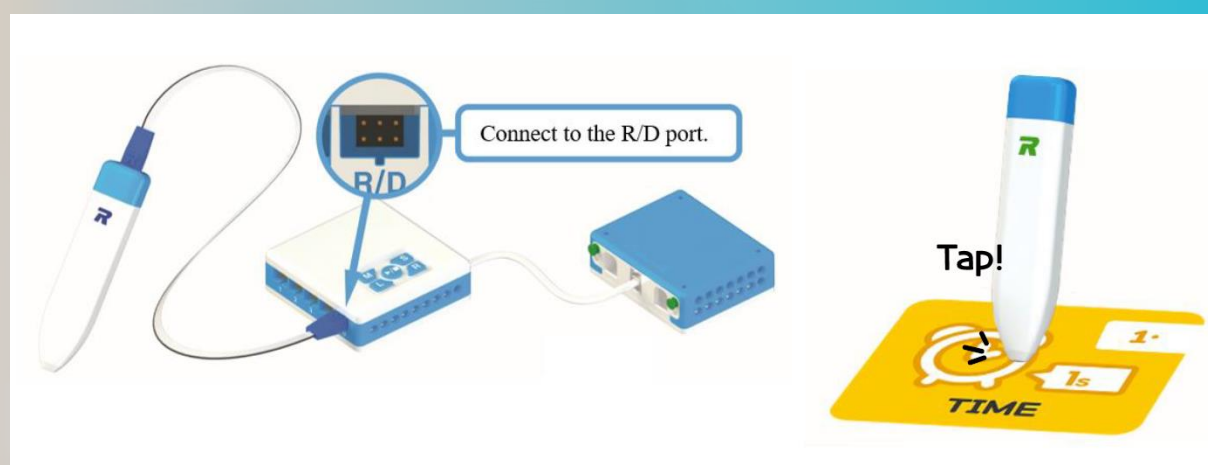
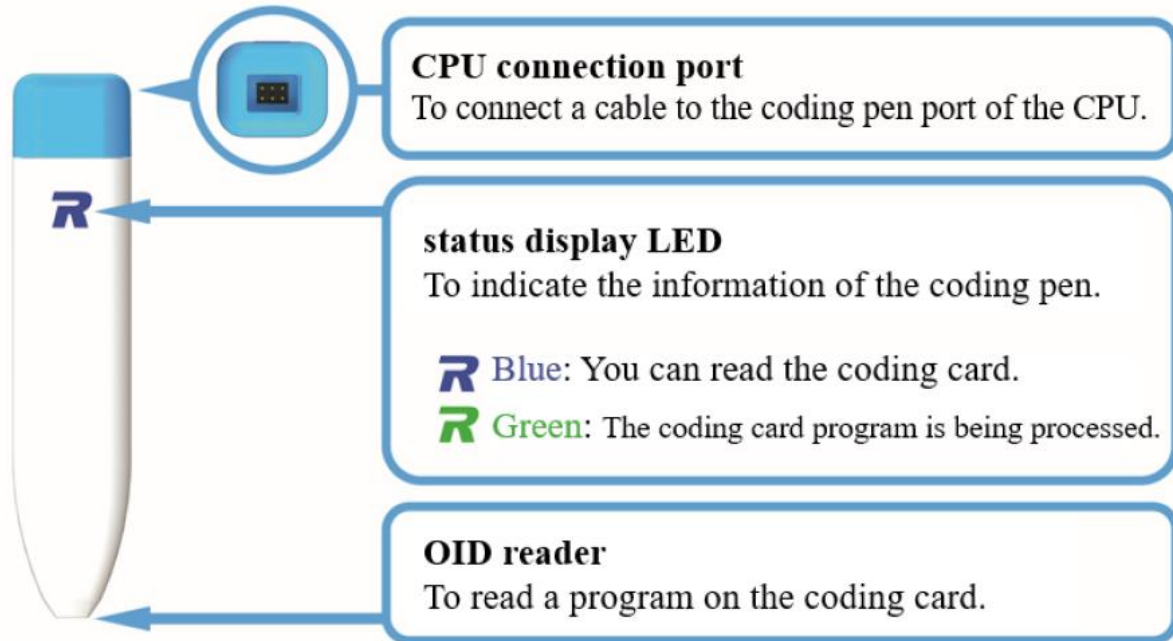
Kids can now program the remote control to have their robot do various movements and to manipulate light and sound!

				
Delivery Robot	Grand Stage	Line Tracer	Tree Climber	Robot Gorilla
				
Robot Beetle	Robot Seal	IOT Camper	Soccer Bot	Racer Bot
				
Guitar Bot	Service Bot	Piggy Bank (pdf guide)	Melody Box (pdf guide)	Hockey Bot (pdf guide)
				
Warrior Bot (pdf guide)	Viking Ship (pdf guide)	Robot Cat (pdf guide)	Robot Forklift (pdf guide)	Battle Bot (pdf guide)

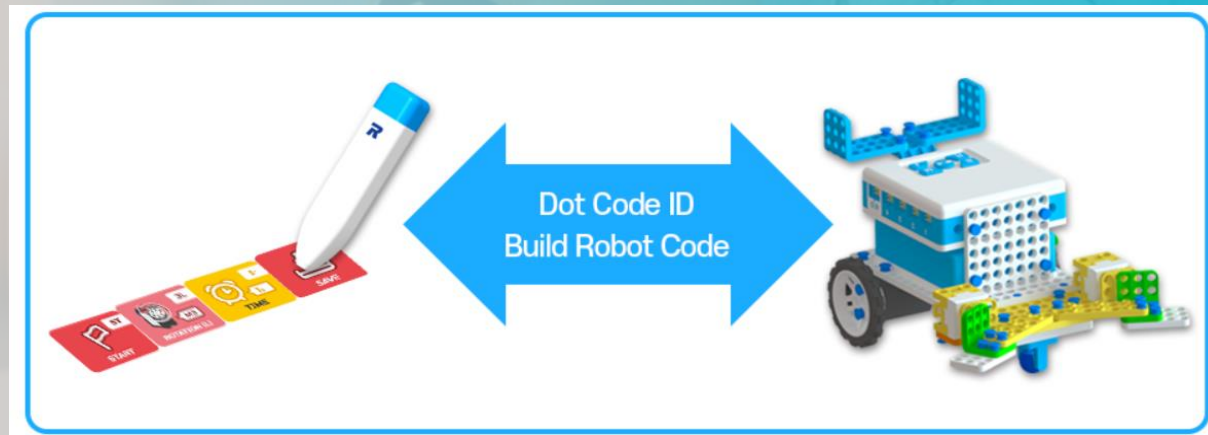
The above 8 Robot-lessons are not in the workbooks and can be requested, free of charge.

More levels coming in 2024!

What is Pen Coding?



After connecting the coding pen to the CPU, start tapping!



The workbooks teaches kids every command block and how the pattern-programming works, so kids can follow the tapping-pattern in the books and later start creating their own desired pattern to program their own robot!

Workbook



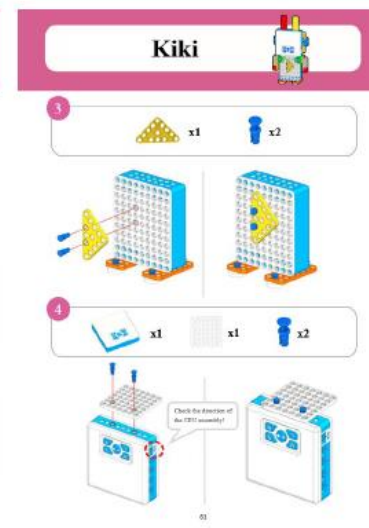
Each chapter has a sequence that repeats. This predictability enables kids to know what to expect so they can get their thinking ready for success. Be assured that it will not get boring, not when Kiki's around for some fun activities!



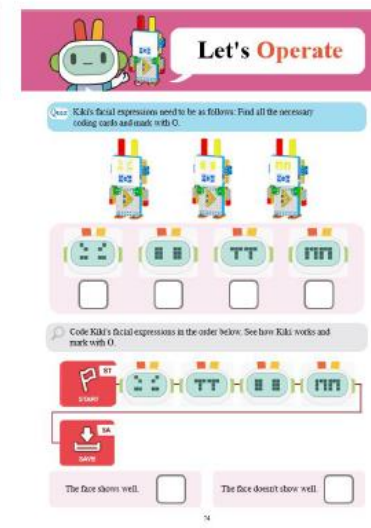
Learning Goals



Let's Study!



Let's Assemble!



Let's Code!



Let's Play!

What's Included?



AIKIRO Kits

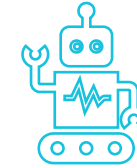
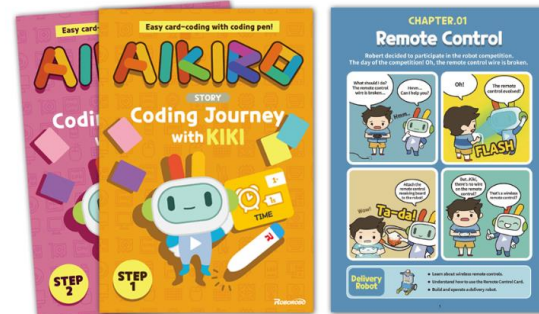
Each Kit comes with the necessary tools, bolts, nuts and frames. Each kit contains 12 lessons + 8 extra pdf-lessons that can be requested, free of charge.



Workbooks

Each kit comes with a workbook. It is story-based where each lesson starts with a comic-strip story with a problem. Kids, then, problem solve with the characters and build & code the solution.

This enhances their understanding as well as problem-solving and critical thinking skills.



Coding Pen, Cards & Remote control

In level 1, kids start using the OID optical sensor technology to code with a pen while tapping on the card command blocks.

In level 2, more coding cards are added for more complex programming as well as a remote control.



Special offers for schools & educators



Bundle Deals

We offer discounted prices on bundle deals since schools might purchase a large amount of products at once. Depending on the quantity purchased, schools will receive extra benefits.



Lesson Plans

Robotics and coding are new to the curriculum and might be taught by teachers with little knowledge on the subject. Therefore, we will provide additional resources for teachers, including lesson plans and tips on how to approach lessons with various age groups.



Teacher Training

Additional teacher training will be provided for teachers to get accustomed to the products and the coding software. This will include a 5 hour workshop where teachers will actively engage with the products, receive guidance on how to approach lessons with various age groups and receive lessons on how to code the robots. They will also receive extra resources that will ensure teaching success in their classrooms.

Teachers, we've got your back!



Contact us for more info:

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