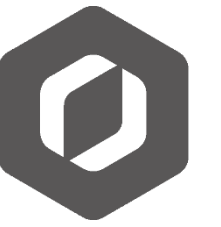


AI EDUCATION SOLUTION

for Primary and Secondary Schools

SHENZHEN YUEJIANG TECHNOLOGY CO., LTD. (DOBOT)



About DOBOT

DOBOT is a leading provider of all-in-one robotics solutions for education, business and industry. Since founded in 2015, DOBOT has established itself as China's No.1 exporter of industrial robots in 2018 & 2019.

To date, DOBOT has helped changed the way tens of thousands of educators and students approach AI, STEAM and robotics education.



No.1

Industrial Robot Exporter in China in 2018 & 19



3000+

Institutes & Enterprises



100+

Countries



200,000+

Users



25,000+

Robots Sold

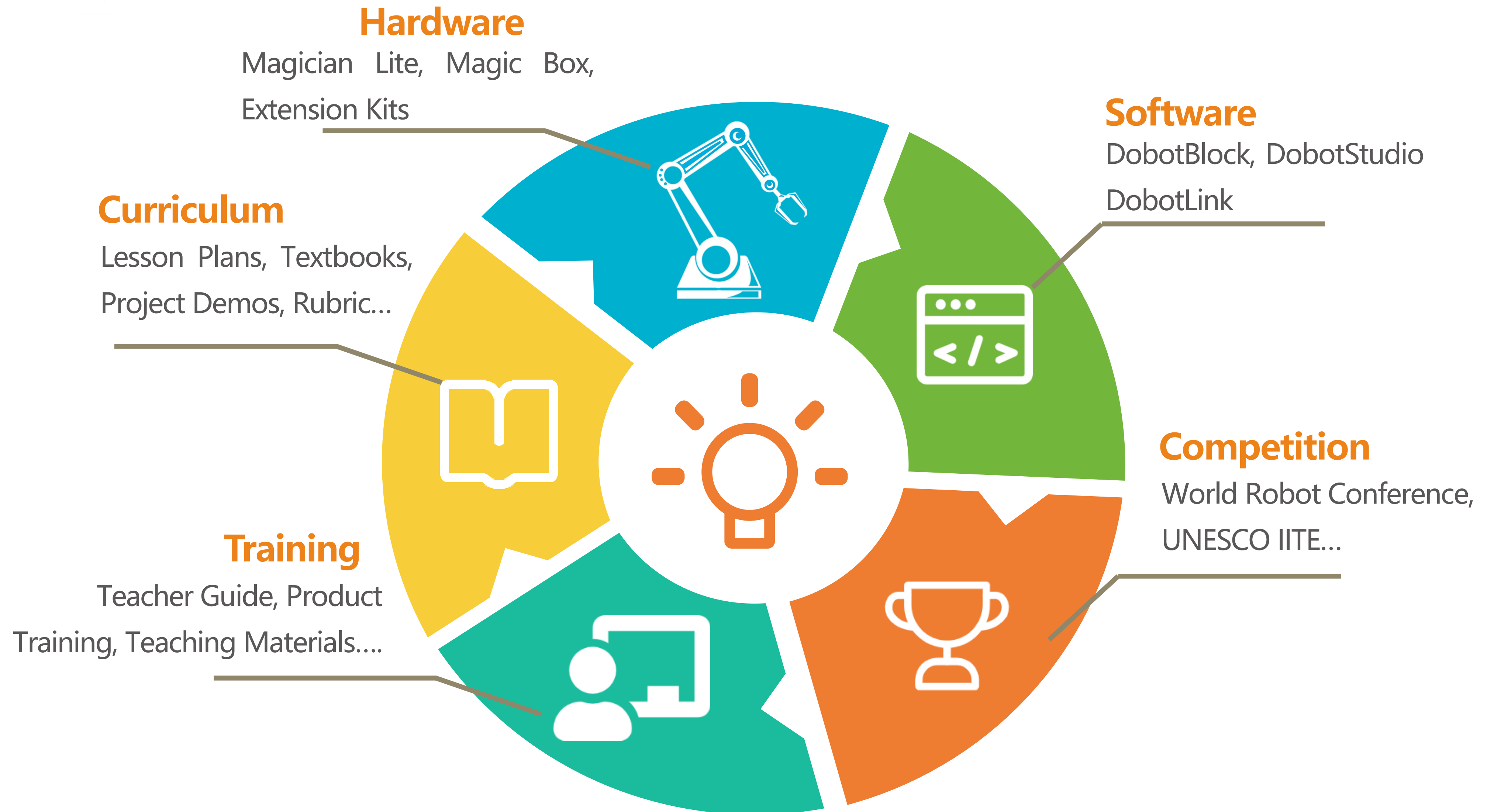


50+

Global Distributors & Partners



Solution Overview



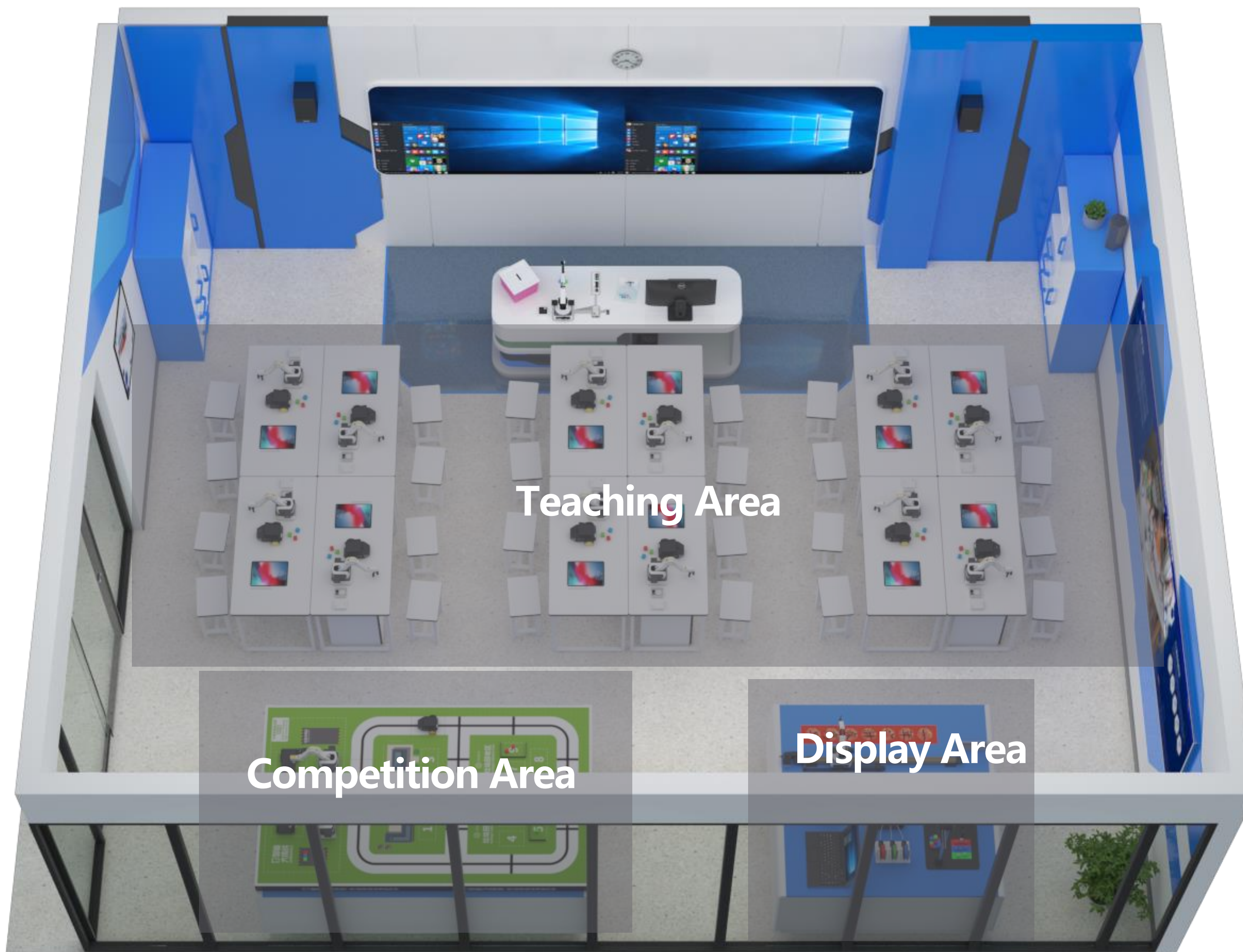
DOBOT[®] AI Innovation Lab

The lab focuses on bettering the teaching of AI technologies, aiming to bolster AI capabilities, AI exploration and AI empowerment for the next generation.

Lab Layout

- Teaching Area (2 students share 1 robot and 1 vehicle)
- Competition Area (Ecohero Challenge Kit)
- Display Area (writing and drawing kit, 3D printer)

*The number of equipment is for reference only.



DOBOT Magician Lite

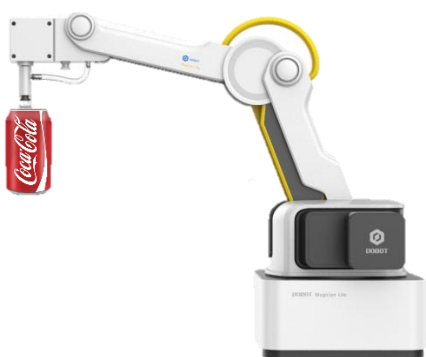
DOBOT Magician Lite is the world's first child-friendly, AI-infused and multi-functional intelligent robotic arm for K12 educators and students. Designed for users of all experience levels and abilities, Magician Lite provides everything that teachers or educators need to instruct students on how to apply the key concepts of AI and STEAM to real-world problems.

Key Specs

±0.2mm
Repeatability



0.25kg
Payload



340mm
Reach



Truly Kids-Friendly: Safe & Easy to Get Started



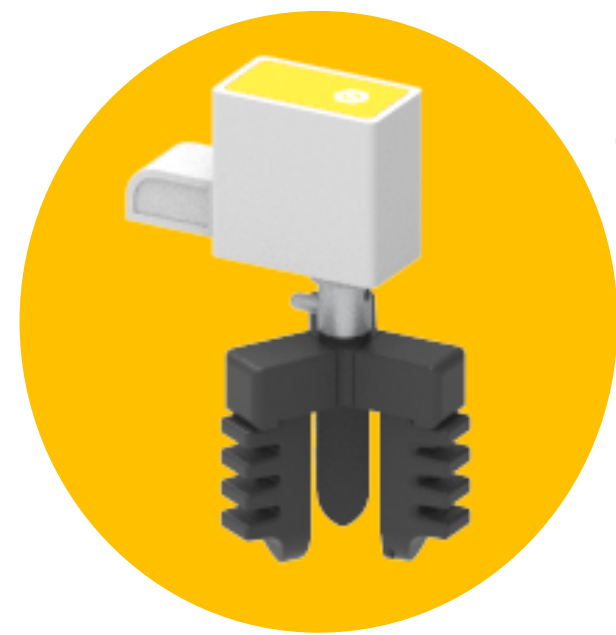
2.4kg
Weight

Collision
Detection

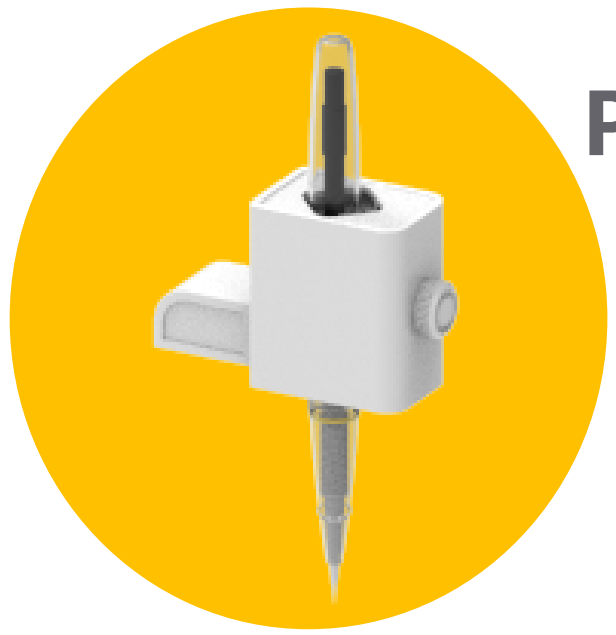
Hand
Guidance



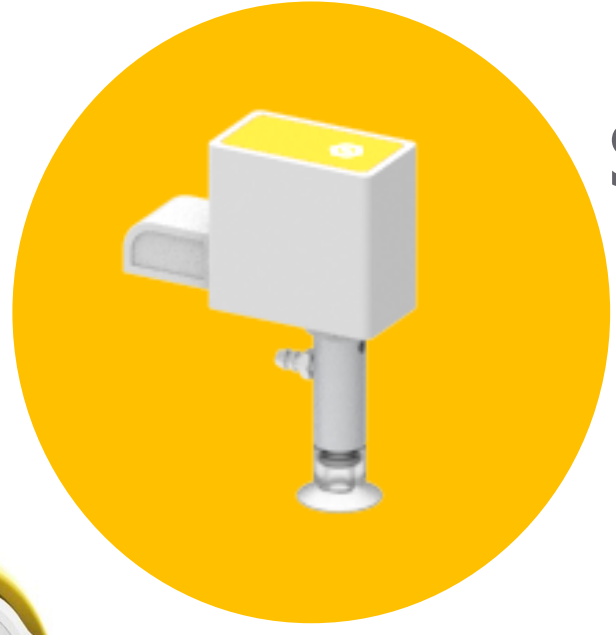
Fast-to-Change End Tools



Gripper



Pen Holder



Suction Cup



External Controller “Magic Box”

Unlock Unlimited Possibilities for Development



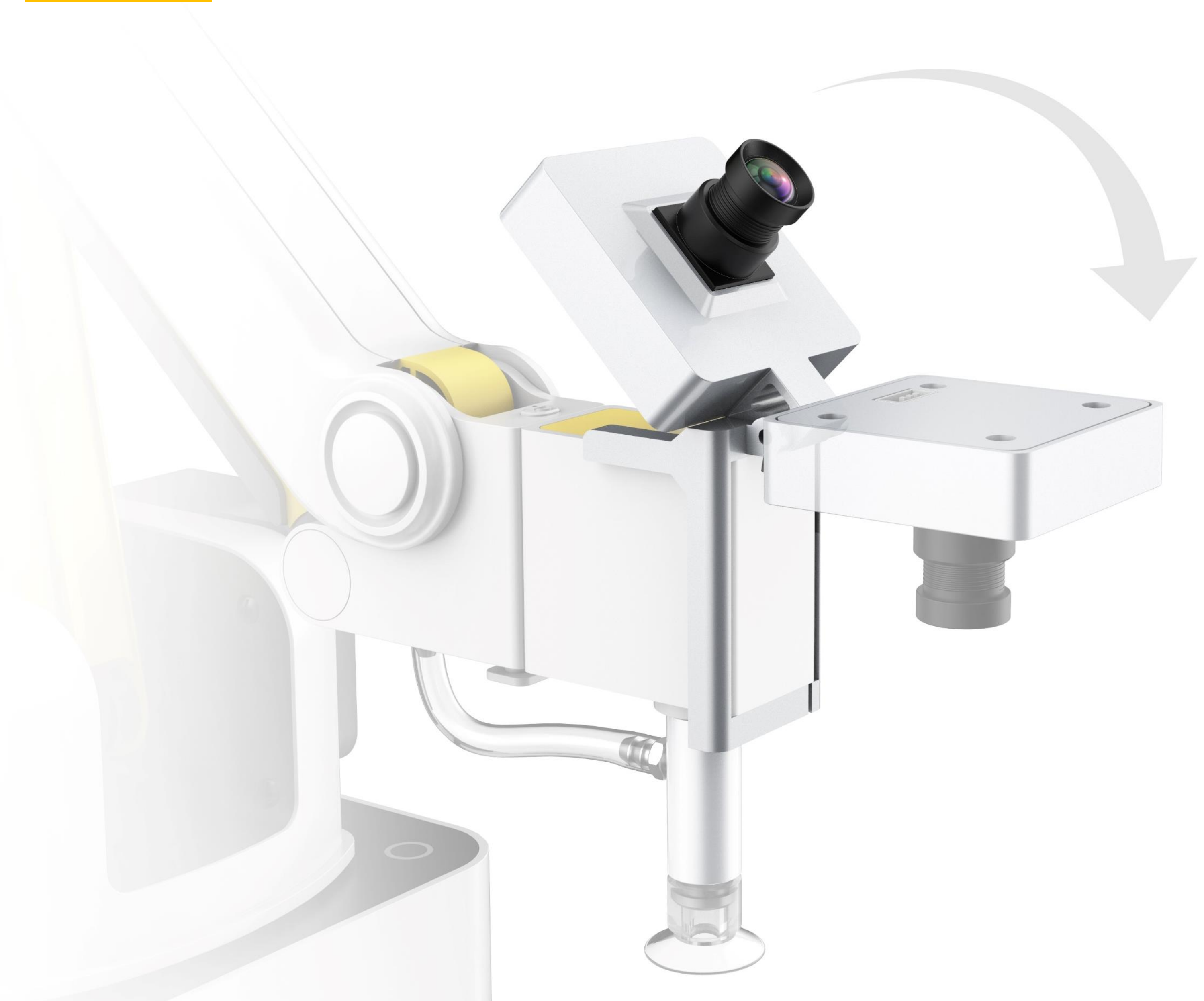
Power Box

Make Your Class Mobile



- ✓ 60 Minutes' Battery Life
- ✓ No Wire Connection Needed
- ✓ Absolute Safety for Students
- ✓ More Freedom for Teaching Spots

AI Smart Camera: Enable the Robot to “See” and “Hear”



Distortion-Free Lens

1 Megapixels

135 Degrees Rotations

Built-In Microphone

DobotBlock: AI-Powered Graphical Programming Software

AI Capabilities



OCR



Facial Recognition



Image Recognition



Voice Recognition

Explore, Tinker, Realize



*Magician Lite is also programable on Python.

What's in the Introductory Package?

Magician Lite



Magic Box



Power Box



Camera



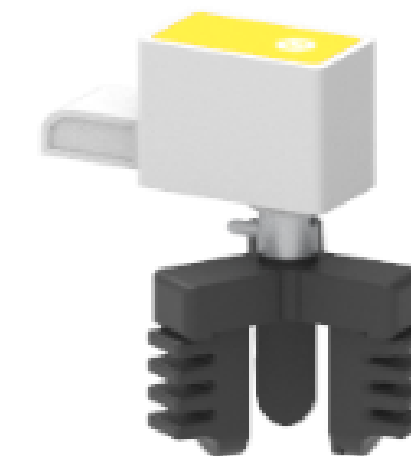
Pen Holder



Suction Cup



Gripper



Block Set

Cable Set

Tool Kit

DobotBlock



DobotLink Development Software



Technical Support



1-Year Warranty

Step by Step Guide

Video Demo

What can I add on to develop further?

AI Teaching Kit



Conveyor Belt Kit



Linear Rail Kit



Sensor Kit



Examples of AI-Based Solution Projects

Smart Fruit Picking



Smart Bartending



Smart Package Sorting



Smart Garbage Classification



Smart Grocery Store





AI Curriculum Solutions

for Primary & Secondary Schools



Curriculum Solution for Primary Schools



AI Course Kit



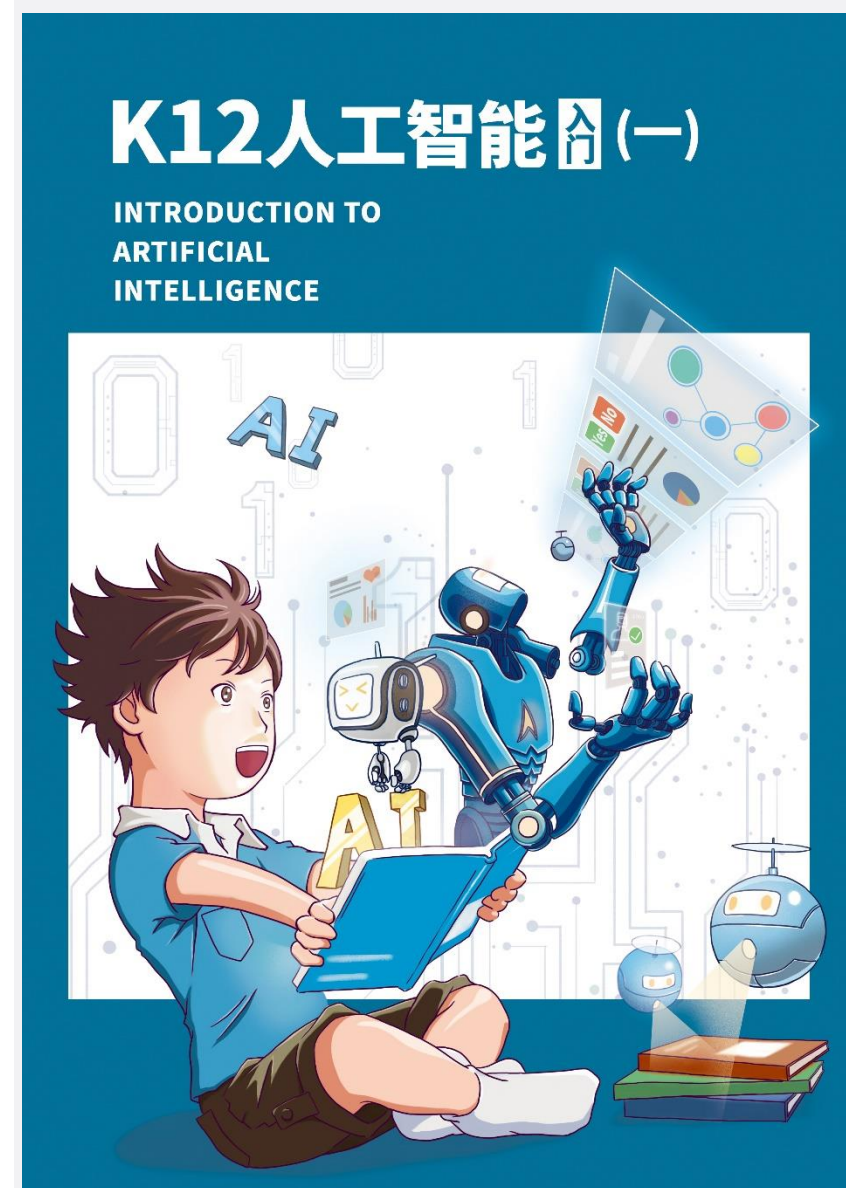
Course	Title	Lesson
Prerequisite	Scratch & Robots	16
Mandatory	Artificial Intelligence for Beginners I	16
	Artificial Intelligence for Beginners II	16
	Artificial Intelligence for Beginners III	16
Application	Experience AI Application	16

*No prior knowledge for programming is required.

Quick Sneak Peek of “Artificial Intelligence for Beginners I”

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1.2. History	8
1.3. Applications	12
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3.1. Cognitive Smart Sense.....	26
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3.3. Color Detection.....	33
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Curriculum Solution for Secondary Schools



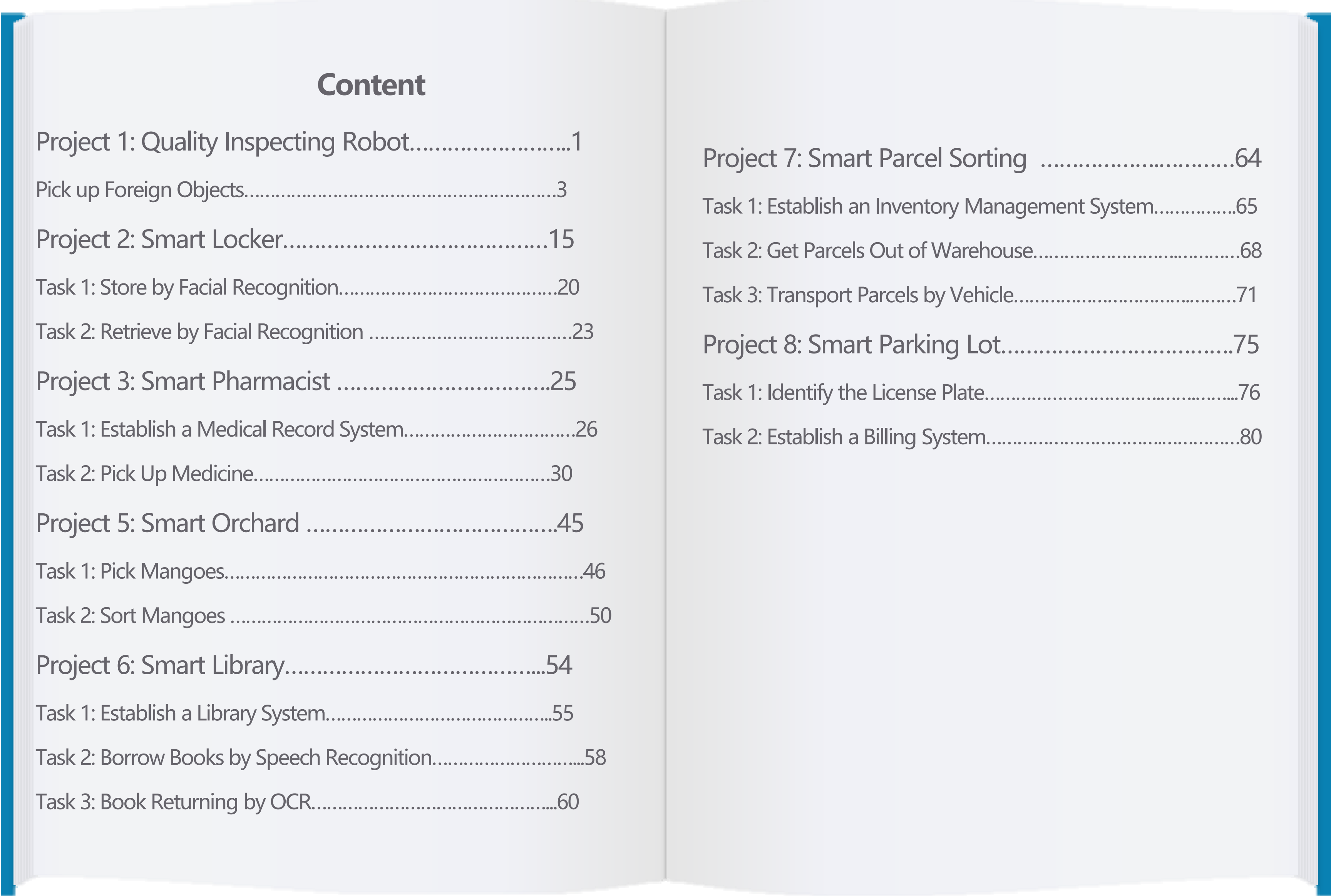
AI Course Kit



Course	Title	Lesson
Prerequisite	Python & Robots	16
Mandatory	Introduction to Artificial Intelligence (I)	16
	Introduction to Artificial Intelligence (II)	16
Application	Project Training for AI Application	16

* No prior knowledge for programming is required.

Quick Sneak Peek of “Project Training for AI Application”



Content	
Project 1: Quality Inspecting Robot.....	1
Pick up Foreign Objects.....	3
Project 2: Smart Locker.....	15
Task 1: Store by Facial Recognition.....	20
Task 2: Retrieve by Facial Recognition	23
Project 3: Smart Pharmacist	25
Task 1: Establish a Medical Record System.....	26
Task 2: Pick Up Medicine.....	30
Project 5: Smart Orchard	45
Task 1: Pick Mangoes.....	46
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Task 1: Establish a Library System.....	55
Task 2: Borrow Books by Speech Recognition.....	58
Task 3: Book Returning by OCR.....	60
Project 7: Smart Parcel Sorting	64
Task 1: Establish an Inventory Management System.....	65
Task 2: Get Parcels Out of Warehouse.....	68
Task 3: Transport Parcels by Vehicle.....	71
Project 8: Smart Parking Lot.....	75
Task 1: Identify the License Plate.....	76
Task 2: Establish a Billing System.....	80

DOBOT MOOZ Series 3D Printers



3D Printing



Laser Engraving



CNC Carving

DOBOT MOOZ is a series of multi-functional modular 3D printer. By changing the end tool, you can 3D print, laser engrave, CNC engrave and achieve other functions on MOOZStudio software.

- 8 lessons
- 8 areas
- 8 projects





Professional Development & Training

At DOBOT we want every teacher to succeed in using our solutions in the classroom. To ensure this, we provide Face-to-Face training and free online resources for support and inspiration.

The trainers provide the tools and resources teachers need to successfully integrate our classroom solutions into their existing curriculum and daily lesson planning.

DOBOT Robotics Competitions at World Robot Conference

Learn Better Through Competing

10+

Countries &
Regions

300+

Competitions

5000+

Contestants

Dobot Russia Invitational at “Wind of Change” UNESCO IITE Week 2019



Customer Cases | China

"Smart Logistics" Robotics & AI Lab at Zibo Jinling Hui Primary School



As a response for maker and smart education in the region, the lab offers kids a platform to access cut-edge technologies such as robotics, 3d printing, laser cutting and AI. The school intends to train and better prepare students early for AI-driven future.

Robotics & AI Lab Chongqing No.29 Middle School



At this lab, teachers can teach robotics and programming, guide students to develop robot-based projects, hold robotics competition and even train other teachers. The lab was built to develop essential 21 first century skills for students such as critical thinking, creativity, collaboration, communication, technology literacy, etc.

Customer Cases | China

AI education training Xiantang Primary School



Recognized as a "National Youth Exceptional School" by the Ministry of Education, Xiantang School is among the first pilot schools of AI education in Rizhao City. The lab is open to elementary and junior high schoolers who are interested in AI and robotics.

Robotics & AI Lab Chongqing No.29 Middle School



The lab covers an area of about 120 square meters and allows 2 students as a group to engage in project-based learning, which can satisfy 56 students at the same time. During the trial classes, the students showed great interest and actively participated in after-school AI club activities. The lab's success sets a good example and provides experience for Rizhao City and even the whole country to draw on.

Customer Cases | China



AI Innovation Lab:
Rizhao Golden Coast
Elementary School



After AI lab finish in July 2020, the school decides to set AI courses into required courses, school-based courses, and after-school club to fit different students' interests.



Use Cases:
AI Education, IT Education



Customer Cases | China



Rizhao Golden Coast Elementary School was singled out as the first prize in the "Outstanding Case of Innovation Educational Equipment in Shandong Province" in September this year.



Students from the school won the first prize in the finals of the 2020 World Robot Contest, Students at the award ceremony



Zibo Secondary Primary School



Saint Edward's Catholic Primary School, HK



Shenzhen Hai'an Primary School



Beicheng Primary School

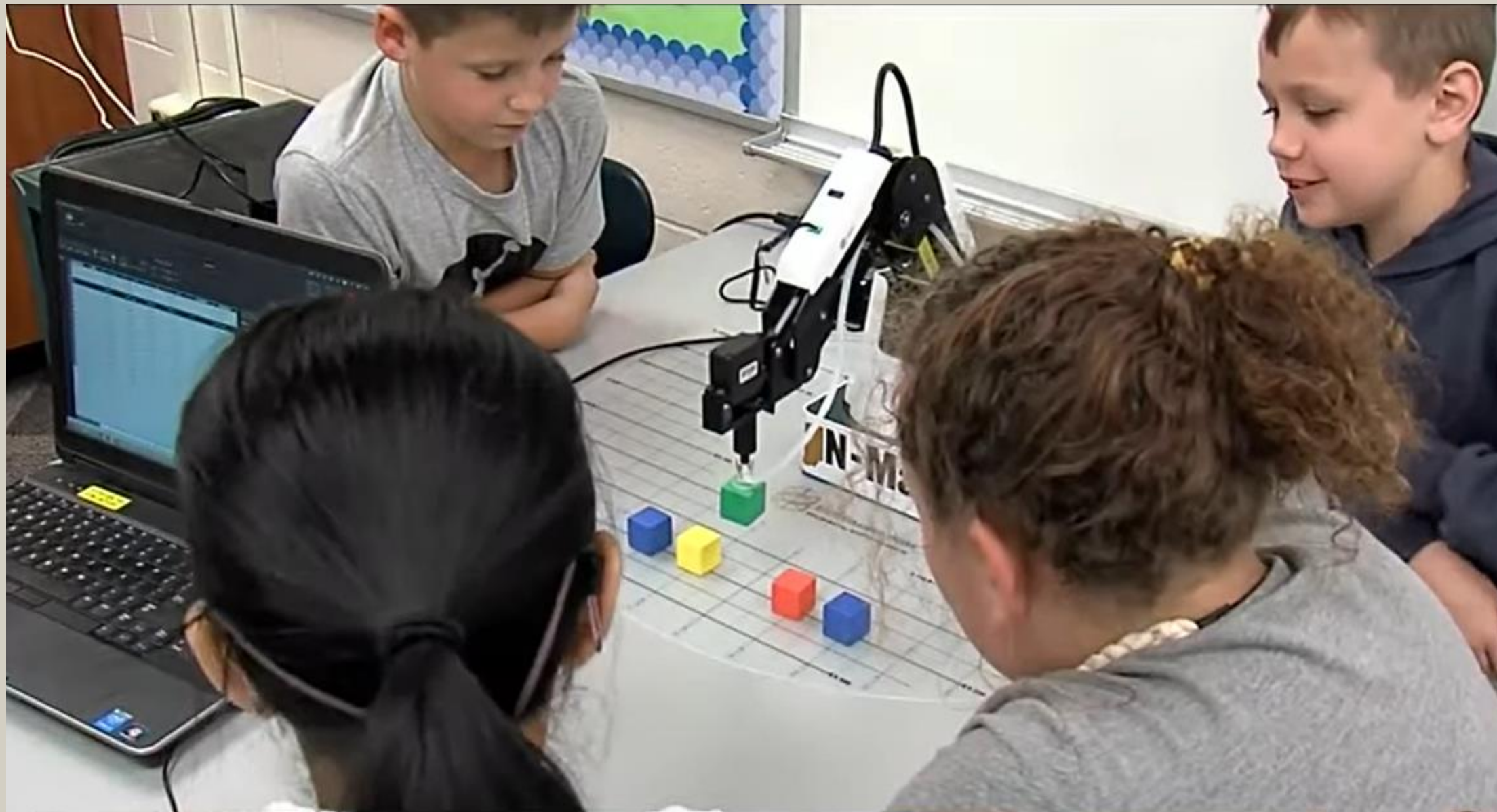


Xinlin Primary School of Rudong District



TangZha Primary School

Design and Innovation Studio at Dayton Elementary School, USA



The Studio, developed in partnership with IN-MaC, STEM Education Works, and Purdue University's Polytechnic Institute, aims to help students develop hands-on experience with Industry 4.0 technologies. Through the use of robotics, coding, and engineering, students in the lab learn technology skills as well as design thinking, problem-solving, and creativity.

Engineering Lab at Tallinn Secondary School of Science, Estonia



The laboratory has two main objectives: to develop students' engineering competences through inquiry-based learning and practical assignments, and to offer other educational institutions in Tallinn the opportunity to experiment with these innovative educational tools and methods in engineering.



**King Mongkut's International
Demonstration School, Thailand**



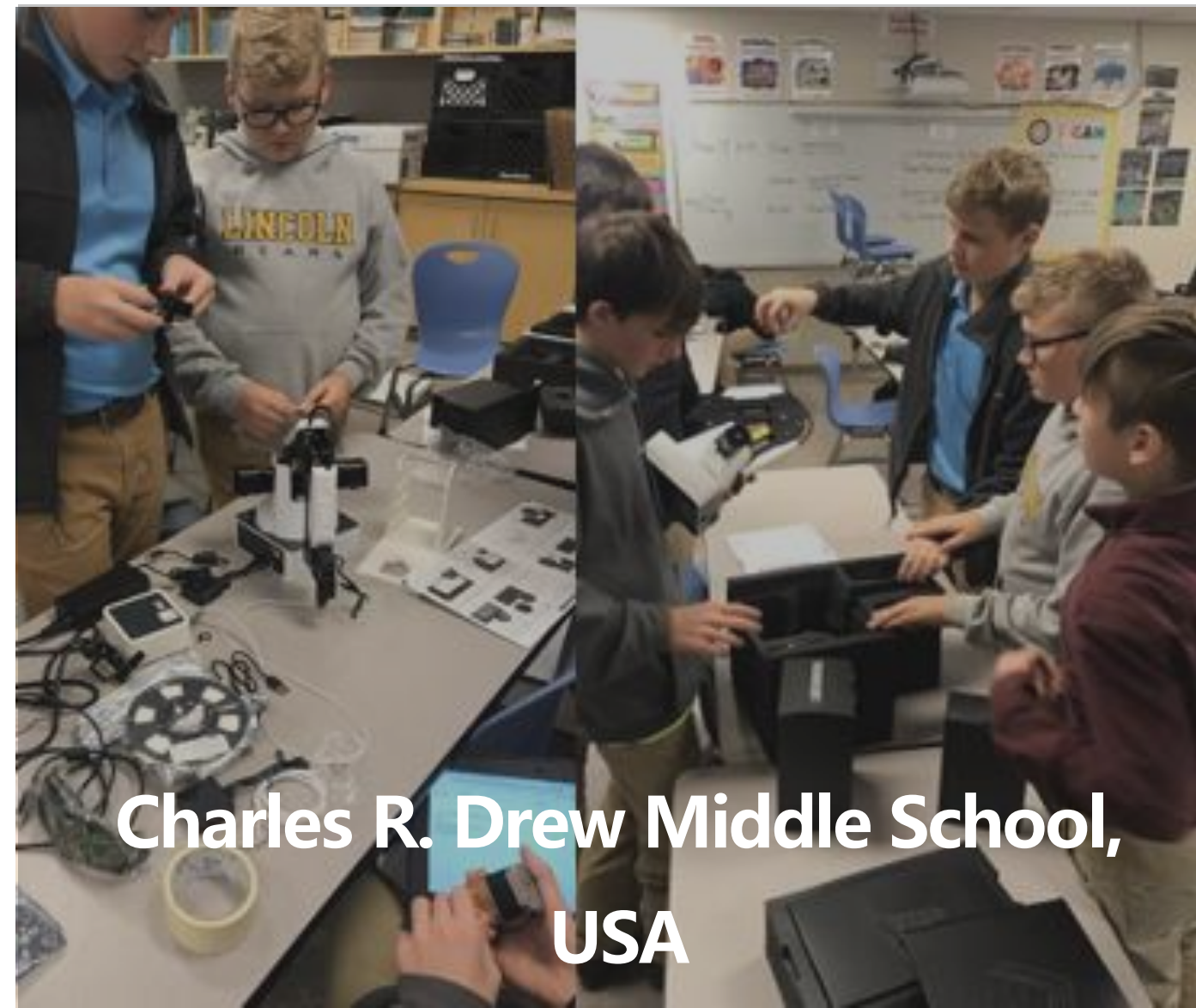
**McSwain Elementary School,
USA**



**Ware Elementary School,
USA**



**Center of Excellence for AI and Robotics,
GEMS Dubai American Academy, Dubai**



**Charles R. Drew Middle School,
USA**



**Qatar Science & Technology Secondary
School for Boys, Qatar**