

ROBO CODER™ JR

SPIKE Essential Robotics Course (Age 5 and above)



THE
BRAINERLY
CODE™

CODING & ROBOTICS SCHOOL

Kick start and
enhance your child's
problem solving and
creative thinking skills
in an interactive
and fun way!



What is ROBO CODER™ JR?

- 🧠 A beginner's course for students with no robotics experience.
- 🧠 A child's first encounter with introductory programming logic.
- 🧠 Get hands-on experience building robots in their first exposure to STEM (Science, Technology, Engineering and Math).
- 🧠 Build robots using LEGO® Spike™ Essential.
- 🧠 Learn to program robots using drag-and-drop coding blocks.

Course Details

- 🧠 For children age 5 to 8
- 🧠 All materials provided
- 🧠 1:6 Instructor - Student ratio
- 🧠 Weekly class
- 🧠 1 hr 30 mins per lesson
- 🧠 Frequent progress updates

Why choose The Brainerly Code™?

Official Python Trainer for Shopee

Shopee Code League official trainer
(2020 - 2021)

Represented Singapore at World Robot Olympiad™
(2014, 2017, 2019, 2023)

National Robotics Competition Winners
(2014, 2017, 2018, 2019, 2022)

RoboCup Winners 7 years in a row!
(2016 - 2022)

First® Lego® League Winner
(2022)

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Microsoft Cloud
Solution Provider



Official Python
Trainer for Shopee



Course Structure

Each level consists of 8 lessons.

Newbie 1

- Introduction to Lego® Spike™ Essential
- Basic coding through icon blocks
- Simple and interactive projects



Newbie 2

Creator 1

- Intermediate building techniques with sensors
- Transition from icon blocks to word blocks
- Basic problem solving



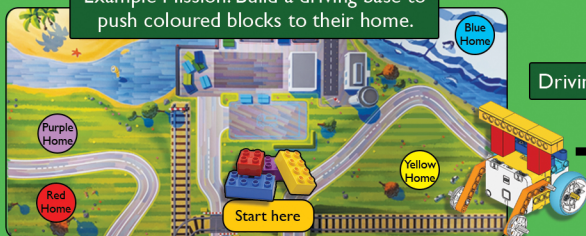
Creator 2

Champ 1

- Mission based lessons for smoother transition to Robo Coder Senior: Build and program robot to complete task (competition style).

Example Mission: Build a driving base to push coloured blocks to their home.

Mission field



Driving Base



Champ 2