

Global Robotics Education Market: Key Trends, Market Share, Growth Drivers, and Forecast for 2025-2034

*The Business Research Company's
Robotics Education Global Market Report
2025 – Market Size, Trends, And Global
Forecast 2025 To 2034*

LONDON, GREATER LONDON, UNITED
KINGDOM, June 11, 2025

/EINPresswire.com/ -- What Does The
Data On The [Robotics Education
Market](#) Size Indicate?

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The data-driven insights from The Business Research Company's latest report unveils the robust performance of the robotics education market globally. It projects considerable growth from \$1.06 billion in 2024 to \$1.15 billion in 2025, a compound annual growth rate CAGR of 8.3%. This



The Business Research
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Explores Market Driver,
Trends, Regional Insights -
Market Sizing & Forecasts
Through 2034."

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upward trend stems from a combination of factors such as the emphasis on science, technology, engineering, and math STEM education, governments stepping up initiatives, the emergence of ed-tech solutions, affordability enhancements enabled by 3-dimensional printing, and an escalating demand for problem-solving and coding skills.

How Is The Market Projected For Growth In The Near Future?

Further on, the report forecasts a sustained surge in the

robotics education market in the coming years, estimating a jump to \$1.58 billion in 2029 at a CAGR of 8.2% from 2025 onwards. This expected rise can primarily be attributed to trends such as rising popularity of robotics competitions, integration of artificial intelligence in educational tools, expanding online learning platforms, collaboration of edtech firms with schools, and a growing interest in experiential learning. Major trends in the forecast period will witness the role of artificial intelligence-powered personalized robots, eco-friendly robotic materials, augmented reality integration, machine learning for adaptive feedback, and STEM robotics kits for project-based learning.

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What's Driving The Robotics Education Market's Potential Surge?

A significant driver identified in the report is the increasing demand for science, technology, engineering, and math STEM occupations. STEM occupations involve applying knowledge and skills to solve real-world problems, and the demand for such careers is growing due to rapid technological advancements that drive innovation across industries and create new job opportunities. Robotics education supports the development of STEM occupations by honing critical thinking skills and problem-solving acumen through hands-on learning and real-world applications. As per the latest data from the US-based Bureau of Labor Statistics, the number of STEM occupations stood at 10,712.4 thousand in 2023, which is projected to rise to 11,822.8 thousand by 2033.

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Who Are The Key Players In The Robotics Education Market?

The primary players in the robotics education market include LEGO Systems A/S, Spin Master Ltd., MakeBlock Ltd, Pitsco Education LLC, Elenco Electronics Inc, RobotShop Inc, littleBits, Wonder Workshop Inc., Hanson Robotics Limited, Lynxmotion Inc., Vex Robotics Inc, Blue Frog Robotics Inc, Robotsis Co. Ltd, PAL Robotics, Educational Insights Inc, SmartLab Toys, Aisoy Robotics, Modular Robotics Inc, OWI Inc, Microbric Pty Ltd, Electroninks Inc, BirdBrain Technologies llc, and RM Educational Resources Ltd.

What Are The Emerging Trends In The Robotics Education Market?

A recent trend that the report identifies is the strategic partnering approach that major companies operating in the robotics education market have adopted to boost curriculum offerings and provide comprehensive learning solutions. As an example, the World Robot Olympiad, a Denmark-based robotics organization, partnered with Saudi Arabia-based energy and chemical company Aramco in March 2024 to develop innovative solutions in robotics and advance STEM education among students. The partnership led to the development of WRO LEARN, a digital platform designed to create educational content for WRO competitions worldwide, providing students and educators with foundational robotics knowledge.

What Are The Robotics Education Market Segmentation?

The robotics education market has been segmented in the report into several categories:

1 By Type: Instructional Programs, Physical Platforms And Training, Educational Resources And Pedagogical Philosophy, Philosophy

2 By Application: Research And Innovation Labs, STEM Learning and Curriculum Enhancement, Robotics Competitions and Extracurricular Programs, Artificial Intelligence and Machine Learning

Education, Special Education and Assistive Learning

3 By End User: Hobbyists And Independent Learners, Kindergarden-12 Schools, Colleges, Vocational Training Institutes, Corporate Training And Professional Development Centers

It also breaks down the segments further into:

1 Instructional Programs: Curriculum-Based Robotics Modules, Coding And Programming Integration, AI And Machine Learning Educational Tracks, After-School Robotics Clubs, Summer Camps And Workshops, Certification And Accreditation Programs

2 Physical Platforms And Training: Educational Robot Kits, Robotic Arms And Manipulators For Training, Simulation Labs And Augmented Or Virtual Reality Environments, Classroom Robotics Lab Setups, Trainer Or Instructor Kits, Maker-Space Robotics Tools

3 Educational Resources And Pedagogical Philosophy: Lesson Plans And Teaching Guides, Interactive Electronic Books And Videos, Project-Based Learning Modules, Inquiry-Based And Constructivist Frameworks, STEM-Aligned Content, Assessment And Evaluation Tools

4 Philosophy: Constructivism And Experiential Learning, Human-Centered Design In Robotics Education, Ethics In Robotics And AI, Inclusive Learning, Cross-Disciplinary Integration

What Are The Regional Insights Into The Robotics Education Market?

In 2024, North America held the largest market share in the robotics education market. The report covers other regions such as Asia-Pacific, Western Europe, Eastern Europe, South America, the Middle East, and Africa.

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