

Integem Launches Next-Gen Lego Robotics With Holographic AR for Young Innovators

Next-gen LEGO-compatible robotics with Holographic AR transforms play into epic STEM adventures, where kids code, create, and bring their imaginations to life.

PALO ALTO, CA, UNITED STATES, March 11, 2025 /EINPresswire.com/ -- Integem is reshaping [STEM education](#) with a next-generation LEGO-compatible robotics system that seamlessly merges hands-on building with Holographic Augmented Reality. Imagine a world where kids as young as 5 don't just stack LEGO bricks—they bring their creations to life, launch them into space, and control them in an interactive AR universe. This isn't just about assembling blocks; it's about stepping into a new reality where physical inventions merge with limitless digital possibilities.



Lego Robotics Design with Holographic AR

“

At Camp Integem, kids don't just learn—they embark on thrilling journeys where Holographic AR, AI-powered robotics, coding, and creative design come together to turn their boldest ideas into reality.”

Dr. Eliza Du, CEO of Integem

Designed for young learners ages 5 to 8, this groundbreaking program transforms traditional LEGO-style building into an immersive, high-tech adventure. Kids don't just build—they code, design, and take on interactive challenges, from exploring Mars to solving real-world engineering problems. No prior coding or computer skills are required, making it accessible even for beginners who have never touched a keyboard. By the end, they're not just playing with robots; they're programming them, designing AR environments, and thinking like real engineers.

At the core of this innovation is Integem's custom-engineered LEGO-compatible robotics kit, a leap beyond conventional LEGO sets. Each kit features a programmable microcontroller, advanced wireless communication, and a rechargeable power source, allowing kids to control their robots with real coding. Unlike standard LEGO, which remains confined to the physical world, Integem's system connects directly to the Integem Holographic AR iPlayer, unlocking a

blended reality where students see their robots interact with dynamic digital environments in real-time.

Paired with iCreator, even kids as young as five can design their own Holographic AR worlds, creating immersive adventures where their LEGO-compatible robots come to life. Integrated with Blockly for robotics programming, this system allows students to build and code their own LEGO cars, futuristic trucks, alien bugs, and other imaginative creations. They can send a self-driving space truck rolling across the icy plains of Neptune, program an alien bug to scuttle through the jungles of an exoplanet, or design an autonomous rescue vehicle to navigate a volcanic moon. This hybrid digital-physical approach transforms STEM learning into an exhilarating experience, where technology feels like magic and kids develop real problem-solving skills while exploring the endless possibilities of their own creativity.

Integem is redefining what's possible for young innovators. "At Camp Integem, kids don't just learn—they embark on exciting journeys where Holographic AR, AI-powered robotics, coding, and creative design come together to turn their boldest ideas into reality," said Dr. Eliza Du, CEO of Integem. "This is more than just an education program—it's a glimpse into the future. We're on a mission to empower every child to explore, create, and lead in a world where technology and imagination have no limits."

This program isn't just about teaching robotics—it builds confidence, creativity, and critical thinking. Many students start without knowing how to use a mouse and keyboard. By the end, they're coding robots, designing AR simulations, and tackling engineering challenges with the mindset of true innovators. Every session is an adventure, whether they're piloting a robotic mission to space or designing an interactive city of the future. The learning experience is designed to feel like an exploration, where kids aren't just students—they're inventors, pioneers, and creators of their own digital worlds.

Backed by accreditation from the Accrediting Commission for Schools, Western Association of Schools and Colleges, Integem's curriculum goes far beyond simple coding exercises. Kids don't just follow instructions; they experiment, make decisions, and see their ideas come to life. It's hands-on learning at its most exciting, where technology and creativity merge in ways that keep kids engaged and inspired.

Beyond offering in-person summer programs at 16 locations across California, Integem's LEGO-compatible robotics system is available to schools, after-school programs, and education providers worldwide. The plug-and-play curriculum makes it easy for anyone to teach, whether they're educators looking to bring cutting-edge technology into the classroom, entrepreneurs launching their own STEM programs, or parents creating hands-on learning experiences at home.

The journey doesn't stop here. Integem also offers AI Robotics for ages 5 to 8, where students progress from basic robotics to intelligent robots equipped with sensors and AI-driven

technology. Kids who start without any computer experience soon find themselves programming robots that recognize objects, respond to commands, and interact with AR environments in ways that feel like the future unfolding before their eyes.

With no barriers to entry, this program is a gateway to the next generation of innovators. Whether it's a child getting their first hands-on experience with robotics, a teacher introducing game-changing technology to their students, or a business seeking new ways to engage learners, Integem provides the tools, curriculum, and support to make it happen.

For details on enrollment, licensing opportunities, or purchasing Integem's [LEGO robotics](#) sets and curriculum, contact Jane Lean, +1-408-459-0657 or support@integem.com. This is more than just a program—it's an opportunity to shape the future, one young innovator at a time. Visit <https://camp.integem.com/>.

Jane Lean
Camp Integem
+1 408-459-0657

[email us here](#)

Visit us on social media:

[Facebook](#)

[X](#)

[LinkedIn](#)

[Instagram](#)

[YouTube](#)

[TikTok](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/792189140>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.