

**Product name:** Sphero indi

**What problem it solves:**

Problem-solving, or the ability to think critically to overcome challenges, is an important educational lesson and a vital life skill that is ideal for kids to learn early in their childhood development. STEAM learning tools, like Sphero programmable robots, are a fun way to teach critical thinking and problem-solving skills to kids as young as four.

indi is our most approachable learning robot for kids 4+ (PK-2nd grade). indi's color sensor reads the included color tiles as it drives over them, providing directional movements for it to navigate different puzzles. indi inspires imaginative, play-based learning while kids utilize important skills like problem-solving, storytelling, and computational thinking to complete activities.

Until now, most educational robots, including Sphero's, were designed for kids in 3rd grade through high school and required an app and device to get started. Based on insight from educators and parents, we discovered kids in PK-2nd grade need a fun, interactive, and engaging STEM learning tool just for them. A robot that's driven and programmed through color - no app required.

Since indi teaches the foundations of programming without an app or device, it also opens up accessibility of learning these skills by breaking down tech and connectivity barriers in schools and areas where these resources are limited.

indi is a game-changing educational robot specifically designed for the youngest learners. When you initially think of robots you might think of a complicated and difficult tool with a steep learning curve, especially for young kids, and even for parents and teachers unfamiliar with STEM. indi is designed to make complex learning accessible, easy to understand right out of the box, and fun for kids in Pre-K - 2nd grade.

indi offers screenless coding experiences that sharpen creative problem-solving and computational thinking skills. Kids learn cause and effect, pattern recognition, the foundations of programming, and understand abstraction—all while having fun! When you watch kids learning with indi, the excitement and engagement is inspiring and contagious.

All of Sphero's robots are designed for learner progression, including indi. As kids advance in their knowledge of how indi's color tiles work, they can attempt more advanced programming with Sphero's drag and drop blocks in the Sphero Edu Jr app, designed just for indi. In the Sphero Edu Jr app, they can control how indi reacts to the world through intuitive yet powerful programming blocks or enhance computational thinking skills by creating new patterns and solving puzzles. These new color programs can be saved and shared with other indi robot users that then connect to the Sphero Edu Jr app on the same device.

The indi Student Kit is designed for 1-3 students to work together and collaborate on included challenge cards and is flexible enough to span subject matter, making it cross-curricular for STEM, ELA, and other specialized areas of learning. The indi Class Pack was created to outfit an entire classroom with enough indi robots, challenge cards, an Educator Guide Book, and more, so the entire class can learn and create together with indi.

Feedback with indi is offered in real time so students can adjust their color tiles to troubleshoot or “debug” how their color “code” may have not worked properly to get to the final result.

Learn more and see indi in action here: <https://youtu.be/wWo3QBNPRRE>