FIRIA LABS

Bringing Robots to Life One Line of Code at a Time

WHAT is the product?

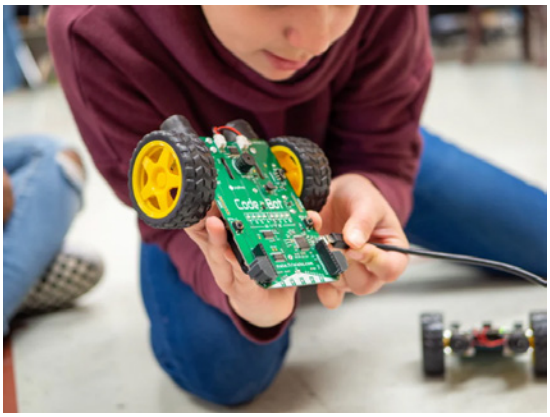
Firia Labs aims to create real-world learning experiences for students through project-based physical hardware and software lessons, combining developmental tools with instructions and Python to teach robotics, programming, and STEAM essential skills.

WHERE does it stand out?

- Teaches real-world Python coding skills while empowering learners with professional debugging tools
- Features engaging projects that inspire mastery in both physical and virtual environments
- Classroom-friendly CodeSpace platform with step-by-step curriculum without any prior coding experience required
- Students learn programming and robotic skills with sensors, displays, LEDs, audio, and more with endless projects and learning opportunities
- Open-ended physical hardware and software to implement meaningful projects with development tools and instructional content
- Teacher resources for JumpStart Python, Python with Robots, and Misson Kits

WHO is it for?

- K-12 Education
  - » CodeBot: grades 7-12
- Teachers
- Coding and Engineering Classes
- STEAM/STEM Classes
- Robotics Classes



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WHY does it benefit education?

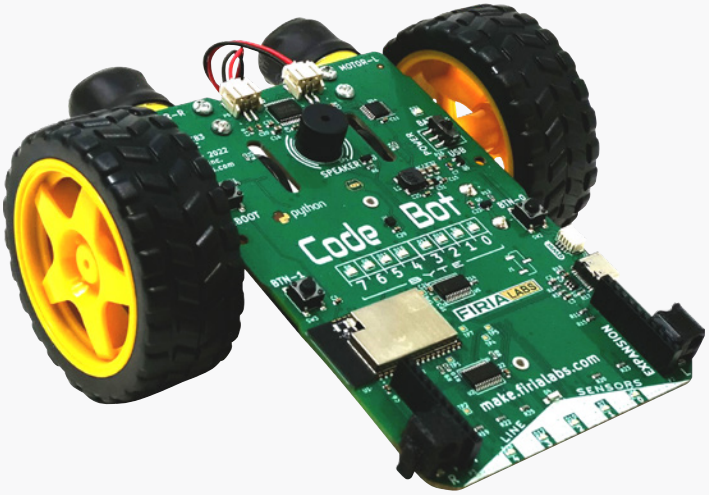
- CodeSpace has standards-based and project-driven learning with interactive curriculum to keep students engaged and motivated to learn
- Progresses from basic coding concepts to deep and complex projects to build a solid foundation of computer science principles
- Python debugger helps students learn through the natural process of making mistakes and fixing them, empowering students to think critically
- Students will be confident in their ability to produce useful software programs using a professional programming language
- Students will be comfortable with maker hardware, and understand how to combine hardware and software to solve real-world problems
- Students will gain experience with software debugging tools and techniques used in industry, with direct career readiness impact

HOW much does it cost?

Firia Labs CodeX with Python Kit: $199.00

Firia Labs CodeBot with Python Kit: $ 199.00

Firia Labs Mission Pack: Lift-Off! Peripherals Kit: $199.00



F.A.Q.

What grade range is appropriate for Python with CodeX?

It depends. The curriculum was written with middle school standards and reading level in mind, but students in upper elementary who have been coding with block-based programs have used Python with CodeX successfully. Likewise, students in high school who have never taken computer science courses find it engaging. We feel that Python with CodeX is an appropriate intro to Python for students of all ages!

What grade range is appropriate for Python with Robots?

Python with Robots was written with high school standards and reading level in mind; however, students in middle school who have completed Jumpstart Python, Python with CodeX, or similar will find Python with Robots to be appropriately challenging.

Should students complete Python with CodeX before Python with Robots?

Not necessarily. If your district is planning out a scope and sequence for computer science courses, Firia Labs recommends doing them in that order. However, the concepts in Python with CodeX are also covered in Python with Robots, at a faster pace.

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