

pi-top Dictionary

When referring to pi-top's products, content and services, we need to ensure the messaging across all brand communications is clear and consistent.

What is pi-top?

pi-top provides a comprehensive ecosystem for teaching and learning computer science, including:

- Our best-in-class Lesson Management System called Further.
- Content aligned to key curriculum standards and frameworks.
- Engaging hands-on hardware and accessory kits.
- Easy out-of-the-box implementation options to get computer science lessons started quickly.

These key features make teaching and learning computer science fun and easy for everyone, from beginner to more advanced users.

CONTENT & CURRICULUM

Further

Further is pi-top's Online Computer Science Classroom, Content, and Lesson Management Platform that takes students on the path from beginning coding to advanced programming and AI concepts.

Further includes a robust classroom management system with SSO capabilities and over 125 hours of customizable curriculum and projects. Aligned to key standards and curriculum frameworks, Further includes resources to guide teachers and students step-by-step through each lesson.

Block-Pi

pi-top's version of block-based coding. Beginners use Block-Pi to drag-and-drop coding "blocks" to complete coding projects. Students build an understanding of coding and a foundation in computational thinking, giving them the base to build more advanced programming skills.

Teacher Guides

Printable step-by-step teacher materials to guide educators through each lesson. These guides are designed to help all teachers, whether they have taught computer science before or not.

HARDWARE

pi-top [4]

A portable, programmable computer. The "brain" behind pi-top lessons and projects, the pi-top [4] is classroom tough, can be moved from project to project quickly and easily, and comes with a 5 hour battery - perfect for powering the coding and programming projects with all the students in your classroom.

Electronics Kit

Great for beginner to advanced coders and programmers, the Electronics Kit contains a robust collection of accessories to help students take coding projects from the computer to the physical world. Containing lights, sensors, buttons and more, the Electronics Kit is the perfect way for students to bring their projects to life.

Robotics Kit

For intermediate to advanced coding and engineering projects, this kit comes with over 50 metal build plates, servo/encoder motors, wheels, a camera, ultrasonic sensor, and much more. While the kit provides three robot configurations, students can also build their own creations. The only limit is their imagination!

Foundation Plate

This plate snaps on to the PMA connector found on the bottom of the pi-top [4] and allows you to connect your Electronics Kit accessories onto your projects.

Expansion Plate

The Expansion Plate connects your pi-top to pretty much every piece of technology you'll need for your programming projects. From servo & encoder motor ports, to analog and digital ports, as well as USB connections, GPIO sockets and more, the Expansion Plate will be used in all your physical computing projects.

Superset

A complete ecosystem (one or both kits with a pi-top [4]).

Electronics Superset - pi-top [4] & Electronics Kit

Robotics Superset - pi-top [4] & Robotics Kit

Robotics and Electronics Superset - pi-top [4], Robotics Kit, Electronics Kit

Classpack

A set of 12 of the Supersets described above. We recommend using each Superset with two to three students to build teamwork, problem solving and other key 21st century skills.