pi-top

Ignite your students' passion for STEAM



Product catalog

pi-top helps to build skills for the future.

From coding basics to advanced AI concepts, pi-top provides educators with all the tools they need to make learning STEAM concepts fun and easy.

Find out more here!





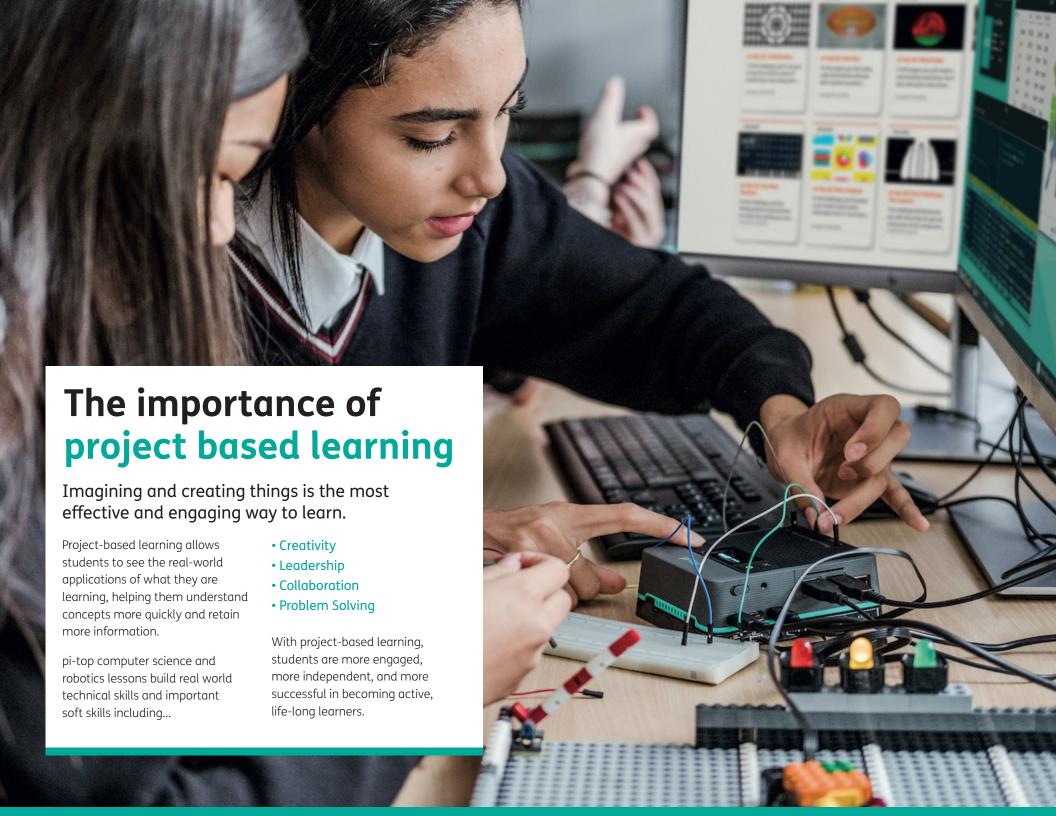




Contents

INTRODUCTION ————————————————————————————————————	
The importance of project based learning	4
Getting started with pi-top	6
PI-TOP SOFTWARE	
Further - Online Project Library	8
PI-TOP HARDWARE	
pi-top [4]	10
Electronics Superset	12
Robotics Superset	14
Robotics & Electronics Superset	18
Accessories	20
Product price list	22

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Further **4** Online project library From beginner to advanced, Further offers over 100 hours of exciting Computer Science projects and == **** activities using your pi-top products. **Register** with Clever or Aligned to a range **Training sessions** of standards

& facilitator guides

We provide training and professional development

classroom for better learning outcomes.

to help educators use pi-top's ecosystem within their

Google Classroom

Sync your classes and students with Further - no manual set-up. Talk with us about integrating with other cloud-based LMS.

Engaging real-world projects.

Engaging, hands-on projects provide students with the tools to explore a wide range of computer science and physical computing skills.

From a rocket launch animation that is executed by the push of a button, to making their own musical instrument, students are inspired and engaged in learning the in-demand STEAM skills they will need in a rapidly changing world.

Remote learning ready

Students working from home can program robots and experiments remotely!

Collaborative workflow

Several students can work together on their submissions to learning challenges.

PDF Downloads

Any of the projects in Further can be downloaded as a PDF for use as a printable handout.

Customize your projects

Teachers can add or remove sections, and change them to reference items available in their school.

Monitor your students' progress

Include tasks within projects that students need to complete. At any time, you can view student responses to tasks and give feedback using comments.

Filter content based on

curriculum requirements, to

and experience they need.

ensure students have the skills

pi-top^[4]

The simplest way to start with Computer Science

pi-top [4] is a portable brain that can be clipped from project to project without needing to rebuild.

The pi-top [4] powers project created with our Robotics and Electronics Kit, and also works with a range of products you might already have at school or home, like Arduino or micro:bit.



Full access to Raspberry Pi's GPIO pins & ports

Female 40-pin connector with labeled ports puts an end to pesky bent pins.



USB-C Power Delivery

specification at 15V for faster battery charging.



UPS-style soft shutdown system

This system includes soft shutdown & UPS to avoid SD card corruption.



5-hour internal battery

Go anywhere & keep your projects running for longer.



Integrated heat sink & centrifugal cooling fan

Make temperature regulation a breeze, even with overclocking.



OLED screen & buttons

Fully programmable mini screen & buttons.

Many ways to connect:



Code on your laptop, tablet or desktop computer



Code with a HDMI Monitor, Keyboard and Mouse



Code using our FHD Touch Display & Bluetooth Keyboard



Classroom

packs

See page 22



Start making in minutes!

Control lights and sounds with sensors, buttons and potentiometers. Begin with a few lines of code to turn on an LED when a button is pressed. Progress with additional components and code.

Beginner to advanced level

Implementing pi-top products in the classroom is easy! Our step by step guides walk you through setting up and getting started with projects that will excite and engage your students.

Over 100 hours of projects!



WHAT'S INCLUDED?

pi-top [4] Complete portable computer*

Pre-installed Raspberry Pi 4 4GB Power Supply Unit (PSU) pi-top Display Cable - HDMI & USB adapters pi-topOS on 16GB SD Card

Electronics Kit*

- 1x Foundation Plate
- 1x Ultrasonic Sensor
- 1x Buzzer
- 1x Light Sensor
- 1x Sound Sensor
- 2x Potentiometers
- 2x Green LEDs
- 2x Yellow LED
- 2x Red LEDs
- 2x Buttons
- 8x LEGO® Connectors

Connecting cables

Age: 11-100

Skill level: Beginner - Intermediate

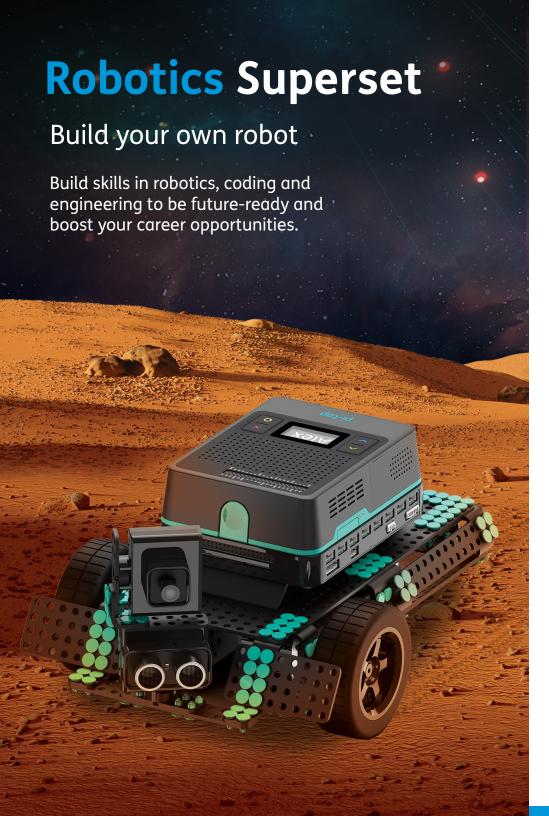
Requirements:

You'll need to connect to your pi-top [4] to a monitor, keyboard & mouse, or a laptop, tablet or our FHD Touch Display and Bluetooth Keyboard. You will also require an internet connection to access our Further project library.

*The pi-top [4] & Electronics Kit are also available separately. See our price list on page 22 for full breakdown.



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Everything you need to build a robot

With 50+ metal build plates, servo motors, encoder motors, wheels, camera, ultrasonic sensor and more, the pi-top [4] Robotics Kit includes all the components you need.



Engaging content in Further, provides easy-to-implement projects that combine technology with real life activities, keeping kids excited to learn.

WHAT'S INCLUDED?

pi-top [4] portable computer

Pre-installed Raspberry Pi 4 4GB Power Supply Unit (PSU) pi-top Display Cable -HDMI & USB adapters pi-topOS on 16GB SD Card

Robotics Kit

1x Expansion Plate 1x Chassis plate 50+ aluminium 6x Coloured balls construction pieces 2x Tyres

x250 rivets 1x Rivet removal tool
2x Servo motors 2x Hex Allen keys
2x Encoder motors 1x Roll of blue line
1x Ultrasonic sensor following tape

1x HD 720p Camera 1x Castor wheel 1x Phillips screwdriver

2x 12mm Wheel connectors

Age: 11-100

Skill level: Beginner - Advanced

Requirements:

You'll need to connect to your pi-top [4] to a monitor, keyboard & mouse, or a laptop, tablet or our FHD Touch Display and Bluetooth Keyboard. You will also require an internet connection to access our Further project library.

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Unlimited configurations















Avoidance

Obstacle Autonomous Object

Driving Recognition

Emotion Mapping

Interaction

Tracking Recognition

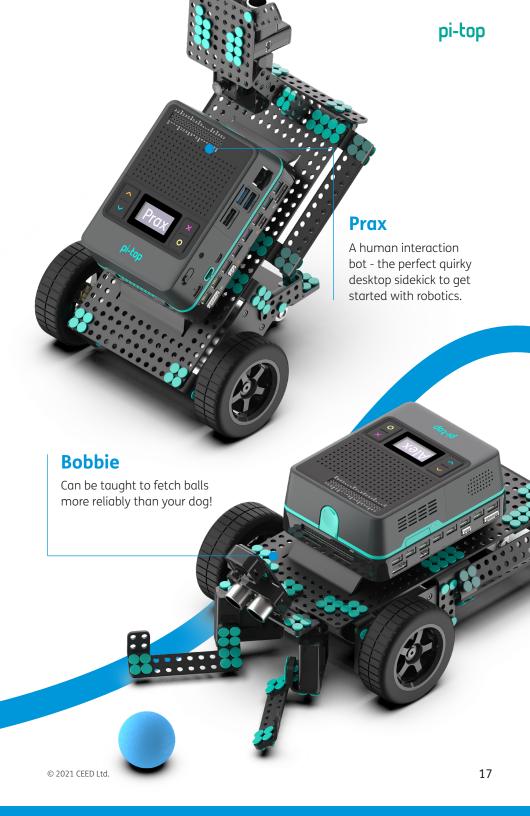
Alex





Deploy code remotely

Further, our online project library can be accessed from any computer such as Chromebook, Mac, PC or a pi-top device. Our Code Runner boxes allow students to write code on their computers, send code to the pi-top [4] for execution, and interact with it in real-time. You can even control your robot from your phone!





Robotics and electronics Superset

Perfect for the classroom

Build rovers and robots with additional components for more advanced projects. Engaging lessons include object recognition, autonomous driving, rapid prototyping and IoT.

WHAT'S	INCLUDED?	

pi-top [4] portable computer Pre-installed Raspberry Pi 4 4GB Power Supply Unit (PSU)

pi-top Display Cable pi-topOS on 16GB SD Card Electronics Kit

Control lights and sounds with sensors, buttons, potentiometers and more! (See page 14) **Robotics Kit**

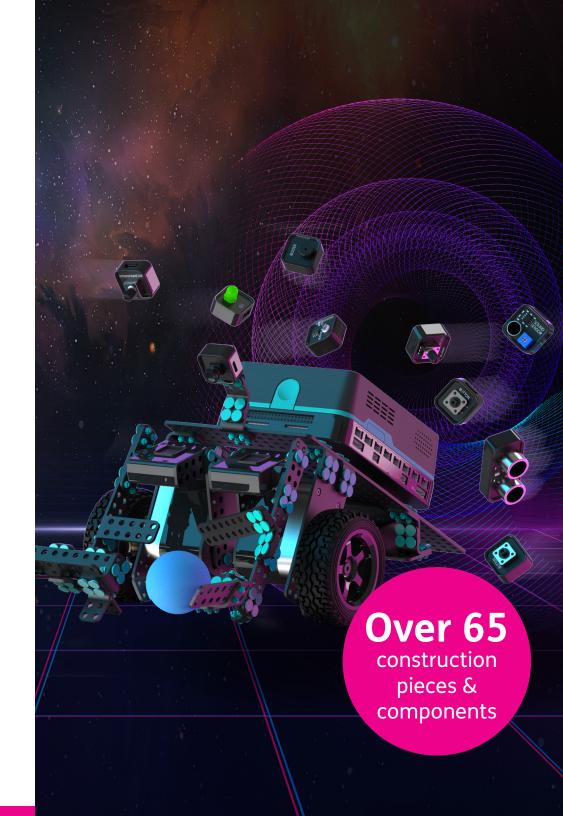
Build and code robots with 50+ build plates, motors, wheels, camera, ultrasonic sensor and more. (See page 16)

Age: 11-100

Skill level: Beginner - Advanced

Requirements:

You'll need to connect to your pi-top [4] to a monitor, keyboard & mouse, or a laptop, tablet or our FHD Touch Display and Bluetooth Keyboard. You will also require an internet connection to access our Further project library.



Accessories



Bluetooth Keyboard

The pi-top Bluetooth Keyboard works as a durable screen protector for your pi-top FHD Touch Display.

It magnetically attaches to the base of the pi-top FHD Touch Display — no need for switches, plugs and pairing.



FHD Touch Display

Code and create using the touch of your finger with the pi-top FHD Touch Display. Sleek and light, it is compatible with a wide array of devices, including the Raspberry Pi and pi-top [4].



Protective Case

Add a splash of colour and protect your pi-top [4] from knocks and bumps.









We make the future.

pi-top is one of the fastest growing ed-tech companies and has a unique vision to increase access to coding and technical education through project-based learning. We want to inspire a generation of makers and give them the skills they need in a rapidly changing world.

pi-top.com









