CURRICULUM LIBRARY
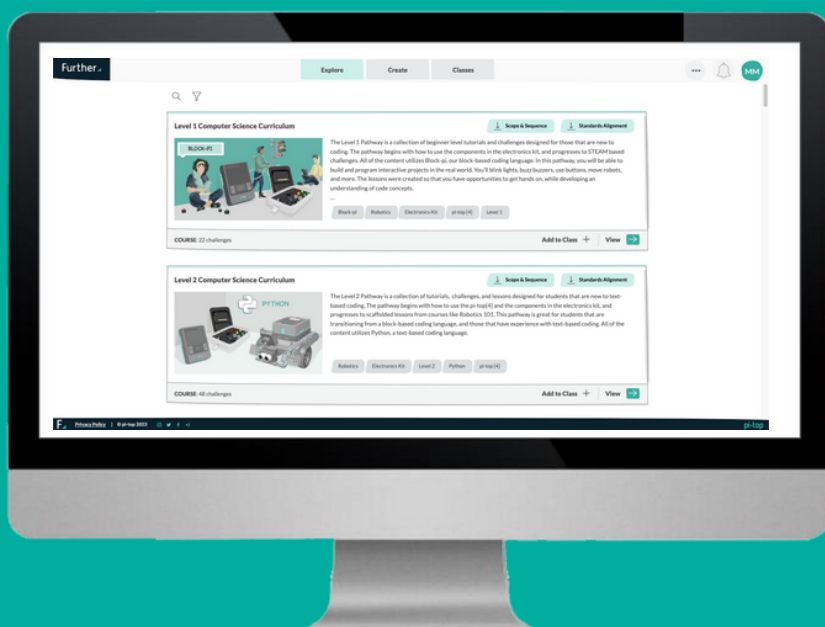
pi-top

www.pi-top.com

Further

- CURRICULUM
- TUTORIALS
- CHALLENGES
- COURSES
- EDUCATOR RESOURCES
- PD & MORE

200+ Hours

Standards-aligned computer science lessons.

CONTENT FOR EVERY CLASS, CAMP, AND CLUB!

Summer camp curriculum with pacing guides to simplify planning.

After-school club activities.

Standards-aligned summer school curriculum.

Special holiday projects.

EXTENSIVE TEACHER TOOLS TO SIMPLIFY YOUR CS CLASS.

Single-sign-on platform for ease of use (Google Classroom, Clever).

Easy on-platform grading.

Simple classroom set-up tools.

Online self-paced PD to get teachers up and running quickly.

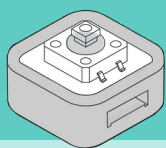Step-by-step teacher guides support even novice CS teachers.

FURTHER CURRICULUM

The curriculum in Further ranges from a single project to a full year of hands-on Computer Science lessons.

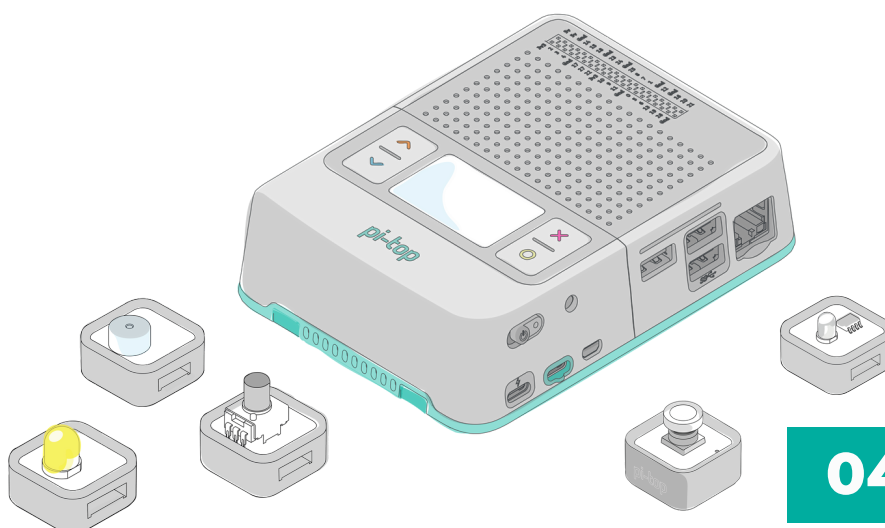| Curriculum Units	# of Lessons	Free	Premium
Professional Development			
Using Further PD	12		X
Full Year Curriculum			
Level 1 Computer Science Curriculum	22		X
Level 2 Computer Science Curriculum	48		X
Level 3 Computer Science Curriculum	22		X
Robotics Curriculum			
Block Pi Robotics	10		X
Robotics 101	11		X
Robotics 102	5		X

With step-by-step teacher guides and engaging activities, you will guide your students as they progress from beginning STEAM challenges to advanced AI concepts - no CS teaching experience needed!

HARDWARE TUTORIALS AND CHALLENGES

Curriculum Units	# of Lessons	Free	Premium
Hardware Component Tutorials			
BlockPi Component Tutorials	5	X	X
pi-top 4 Python ComponentTutorials	14	X	X
pi-top 3 Python Component Tutorials	8	X	X
Interdisciplinary Challenges			
BlockPi Electronics Kit Challenges	6		X
pi-top 4 Pathway	5		X
Electronics Kit Pathway	8		X
pi-top 3 Pathway	11		X

- Exciting lessons using individual components of the CS and Robotics Kit.

- Great for classes with students of different skill levels.

- Opportunities for student-led lessons.

Curriculum Units	# of Lessons	Free	Premium
Summer School Curriculum			
Summer School with pi-top	40		X
Camps and Clubs			
Block Pi Summer Camp	17		X
Python Summer Camp	28		X
Advanced Python Summer Camp	17		X
After School with Block Pi	23		X
Python After School	29		X

- Step-by-step instructions for each activity that are easy to
- understand and easy to follow, no CS skills required!

- Pacing guides - plan your days of CS fun based on how much time you have.

- Comprehensive teacher guides - no need to know how to code.

The pi-top CS Summer Camp curriculum combines engineering, creativity, coding, and collaboration in real-world activities!
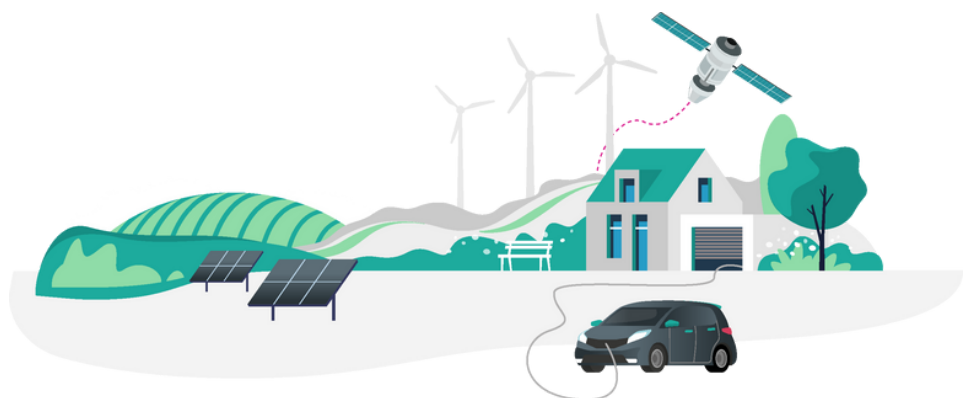
Curriculum Units	# of Lessons	Free	Premium
STEAM Activities			
Fairground Carousel	1		X
Zoetrope Animation	1		X
Smart Home (build the house)	1		X
Block-Pi Let it Grow	1		X
Game Design			
Game Development 101	6		X
Hardware-Free Curriculum			
Python Principals	12		X

By combining Art, Science, and Technology, the pi-top STEAM lessons provide your students with exciting cross-curricular learning while helping them to understand the real-world applications of computer science.

Holiday Activities

Curriculum Units	# of Lessons	Free	Premium
Holiday LED Tree	1		X
Block Pi Holiday Tunnel Card	1		X
Halloween Haunted House	1		X
Block Pi Halloween Tunnel Card	1		X
Halloween Upcycle	1		X
Block-pi: Electric Heart	1		X

Celebrate the holidays with these engaging and creative activities!

Help your students get into the "spirit" of Halloween with their very own Haunted House - complete with flying witch! Get in the Christmas spirit! Or watch them flex their creativity with our Valentine's Electric Heart.

Check back frequently because new holiday activities are added regularly!

BONUS LESSONS

Curriculum Units	# of Lessons	Free	Premium
3D Printing the Maker Mask	4		X
The Number Pi	1		X
CodeBreaker	1		X
Mood Lamp	1		X
Mini Arcade	1		X
Sketchy	1		X
Data Visualization	1		X
Catapult Control	1		X
Data Analysis	1		X
pi-top [4]: Miniscreen + Giphy API	1		X
pi-top + Vernier Surface Temperature Tutorial	1		X

Take your students' computer science learning **Further** with these exciting bonus activities. Easy to implement and guaranteed fun!