# Discover the fun of STEAM and coding in your classroom!

From Chicago to Shanghai, thousands of schools are discovering the joy of coding their own real-life STEAM creations. Designed by teachers and engineers, SMART Coding Kits by SAM Labs® combine lesson plans, apps and electronics to reward curiosity and imagination with a real impact on learning and progression.





## Why use SMART Coding Kits by SAM Labs?

- A **fun and interactive** way to bring STEAM and coding to life
- **Curriculum aligned** lesson plans and projects
- SAM Space is an **intuitive, visual, flow-based** coding app
- SAM Blockly enables **progression** to block-based programming
- **Easy-to-install**, wireless Bluetooth SAM Blocks
- iOS®, Android™, Windows® and Chromebook™ **compatible**
- Teacher **support and training**
- **Versatile** technology that can be used across a variety of subjects
- Design **algorithms** and programs, use **logical reasoning** and **computational thinking**
- Control and simulate **physical systems**
- Perfect for coding & robotics clubs, makerspaces, after school activities and summer programs

## Students will be able to:

- **Translate abstract concepts** into concrete models (which can be designed, debugged and improved)
- Strengthen their understanding of **cross-cutting concepts** within and across different areas of **STEAM**
- Create solutions and solve problems with **real-world applications**
- **Practice** what they have learned in every lesson
- Cultivate **resilience** in their academic efforts

# Choose the perfect kit

Bring a world of coding and creating to the classroom. Bursting with a variety of hardware and software, our classroom-proof kits provide everything teachers need to unleash students' creativity.

## STEAM Kit

- Supports 4-6 students at a time
- For smaller group projects, makerspaces and coding clubs
- Exclusive bonus blocks not found in the Classroom Kit
- Durable and portable storage case

### Key features:

- SAM Space Education App
- 40+ Lesson Plans
- 16 SAM Blocks
- 28 Accessories
- 3 Multi Micro USB Charging Cables

## Classroom Kit

- Supports 30 students at a time
- The complete solution for full classroom instruction with the lowest price-per-student
- Durable, classroom-proof, stackable storage box

### Key features:

- SAM Space Education App
- 40+ Lesson Plans
- 40 SAM Blocks
- 100 Accessories
- 8 Multi Micro USB Charging Cables

SAM Labs lesson plans are created by teachers, for teachers to be aligned with curriculum, and are designed to be accessible and intuitive.
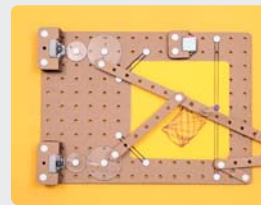
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