

Piloting a STEM Education Program: A Guide for Elementary, Middle, and High Schools

School districts across the country have recognized the need for comprehensive education in science, technology, engineering, and mathematics (STEM). In particular, STEM programming has been revolutionized by the development of new tools such as the BBC micro:bit, a mini-computer designed specifically for student education.

STEM occupations are currently growing over two times faster than any other occupation, according to the U.S. Bureau of Labor Statistics. Millions of jobs are projected to go unfilled as universities are only expected to produce one-third of the graduates needed to fill these careers.

Techno Tinkers provides an elegant solution to this problem. Our thoughtfully-designed, student-centered kits and project guides provide schools with a complete STEM curriculum. Moreover, absolutely no prior STEM experience is required for teachers. Our lesson plans are easy-to-follow, and are included, along with project ideas, with all student kits purchased.

Purchasing is simple. We have experience working with 501(c)(3) organizations, accept purchase orders, and ship internationally.

We've partnered with school districts such as Modesto City Schools, Atlanta Public Schools, and Battle Ground Public Schools to provide our innovative STEM curriculum and unique student kits. We also work with individual schools across the country. Additionally, Techno Tinkers offers training modules that are certified in the State of Texas to provide up to 26 credit hours of training for educators.

Schools are turning to Techno Tinkers to help guide STEM courses, summer camps, engineering/computer science clubs, and more. Here are our recommendations for getting started:

| Level | Suggested Materials |
|-----------------------------------|---|
| Elementary/middle school students | BBC micro:bit single board BBC micro:bit Go Kit micro:bit Primary Accessories Kit micro:bit Basic Kit micro:bit Remote-Controlled Car Kit micro:bit Robot Car: Cutebot |

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| High school students | BBC micro:bit single board BBC micro:bit Go Kit micro:bit Remote-Controlled Car Kit micro:bit Starter Kit Arduino Student Kit Techno Tinkers Python course |
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Please reach out to our support team with questions.

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