



BEATS Program: Engineering Room

Priority
04

2024

The purpose for a Engineering Room is to build on the BEATS vision of providing our ACS students with hands learning. The Engineering room will be used to support a robotics team and engineering project base learning.

The room will include:

Computers for programming and coding	6 computers	\$3,600 - 4,800
Explorer desk and chairs	12 desk	2,800 - 3,700
Work Bench Table	4	2,200 - 4,500
Vibe Board S1 55"	1	3,300



vibe.us video: <https://youtu.be/nuCxyEqbJDY?feature=shared>

Curriculum / Materials:

K - 5th Lego Education LEGO® Education SPIKE™ Essential Class Pack \$4,102.20

LEGO® Education SPIKE™ Essential Class Pack is designed for 24 students to explore STEAM Concepts in elementary school. Standards-aligned learning units use everyday themes, relatable mini figures with different personalities and familiar LEGO building elements to solve problems through storytelling. SPIKE Essential consists of a main classroom brick set with a wide variety of LEGO elements and intelligent hardware, along with the intuitive SPIKE App, all of which is accompanied by a selection of unit plans and comprehensive online and in-app support.

The SPIKE Essential Class Pack includes 12 SPIKE Essential Sets and 24 Personal Learning kits. Please contact Sales Representative or Customer Service if interested in purchasing a different ratio of SPIKE Essential Set and Personal Learning Kit for your classroom.

6th - 8th VEX Robotics VEX IQ Small Classroom Bundle \$2,499

VEX IQ is based on plastic, snap-together pieces specifically designed to build highly functional robots. This system doesn't require any prior knowledge in robotics. Students can easily build their first robot, and the wide variety of additional parts means that they can build anything they imagine as they continue to learn. Every kit includes a hand tool to make assembly and disassembly easy for small hands.

- (5) VEX IQ Education Kits (2nd generation).
- (12) Field Tiles
- (16) Field Walls
- (18) Game Objects
- (1) Parts and Coding Posters
- (5) Extra Pin Tools
- (1) Classroom Charger (5 USB-A ports)
- (1) Spare Parts with Storage

