Barobo



Math + CS + Robots = Success

K-12 RoboBlocky Math, Computer Science with Robotics, and Engineering Design with Robotics for classroom and expanded learning



The Barobo program, developed in a decade-long partnership with the C-STEM Center at the University of California, Davis, fosters hands-on learning based on real-life problems and supports learning in multiple contexts, including classroom, remediation, intervention, supplemental, enrichment, and accelerated learning.

Barobo's patented modular Linkbot[™] robots and RoboBlocky[™] Integrated Learning Environment, with options for both block-based and C/C++ text-based programming, are optimized for K-12 crosscurricular, collaborative learning in:

- RoboBlocky Math
- Computer Science with Robotics
- Engineering Design with Robotics
- Afterschool and Summer Robotics and Robotics-Math Programs
- RoboPlay Competitions

www.barobo.com

 72%
 74%
 77%
 88%

 51%
 2015
 2016
 2017
 2018
 2019

72% increase in students meeting and exceeding the math standards over 4 years.

The Barobo C-STEM Program

K-12 Math, CS, and Engineering Design with Robotics







Classroom

- Standards-based curriculum
- Over 12,000 lessons and activities
- Supplemental or stand-alone instruction
- Alignments with many popular math textbooks
- Enhanced engagement with virtual and optional hardware robots
- Learning Management System with Real-time Class Interaction

Afterschool/Summer

- Curriculum for grade bands PK-K, 1-2, 3-5, 6-8, and 9-12
- Robotics programs to learn coding, engineering, art, and music via robotics
- Robotics-Math programs for accelerated and deeper learning of key math concepts
- Emphasizes teamwork and communication skills

RoboPlay Competition

- Level playing field competition
- Grade bands 1-2, 3-4, 5-6, 7-8. and 9-12
- · End-of-year culminating activity to showcase real-world math problem solving skills
- Challenges provided by the **C-STEM** Center
- · Organized by the school or district



RoboBlocky[™] www.roboblocky.com