



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 RoboBlockly™ Integrated Learning Environment, with options for both block-based and C/C++ text-based programming (www.roboblocky.com and www.roboblocky.com/curriculum), are optimized for TK-12 cross-curricular, collaborative learning in:

- Mathematics
- Computer science and programming
- Computational thinking
- Engineering design and robotics

Success Stories

Through the cross-curricular combination of mathematics, computer science, and engineering design with robotics, students engage in authentic learning and build their mathematical and thinking skills through real-life, applicable strategies. Here are just two of our success stories:

- After implementing the Barobo/C-STEM program district-wide, Redlands USD (California) students achieved **13% higher math scores in 35 classes**.

2023 Smarter Balanced Math Test Scores In Redlands Unified School District C-STEM Students vs All Students

Grade	4	5	6	7	8	Total
Met & Exceeded	77	79	80	31	35	302
Total	143	184	138	80	94	639
C-STEM Percentage	54%	43%	58%	39%	37%	47%
RUSD Percentage	45%	32%	36%	31%	34%	37%

- McPherson Magnet School (K-8) in Orange, CA increased state testing **math scores by 72%** over 4 years! McPherson now has the highest math scores for 3rd grade among the 27 elementary schools in its district.

