Building Opportunities with Teachers in Schools (BOTS)
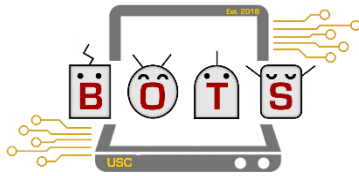
BOTS is a teacher professional development program that fosters computer science (CS) and digital literacy and equity in Los Angeles elementary schools via a year-long Community of Practice with K-5 teachers & USC Computer Science and Robotics students. Together, we create high-quality, scalable, and sustainable in-school computer science education opportunities for K-5 students from under-represented groups in STEM and CS.

Who does BOTS serve?

BOTS 2020-21 Partner Schools:
- Evergreen Elementary
- Gates Elementary
- Malabar Elementary
- Santa Teresita School
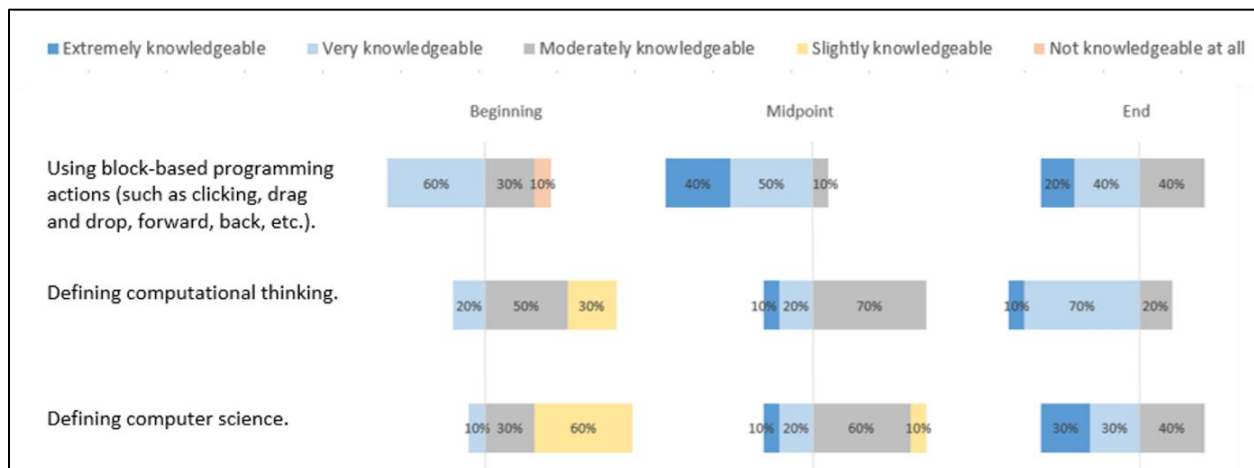- Holy Spirit STEM School
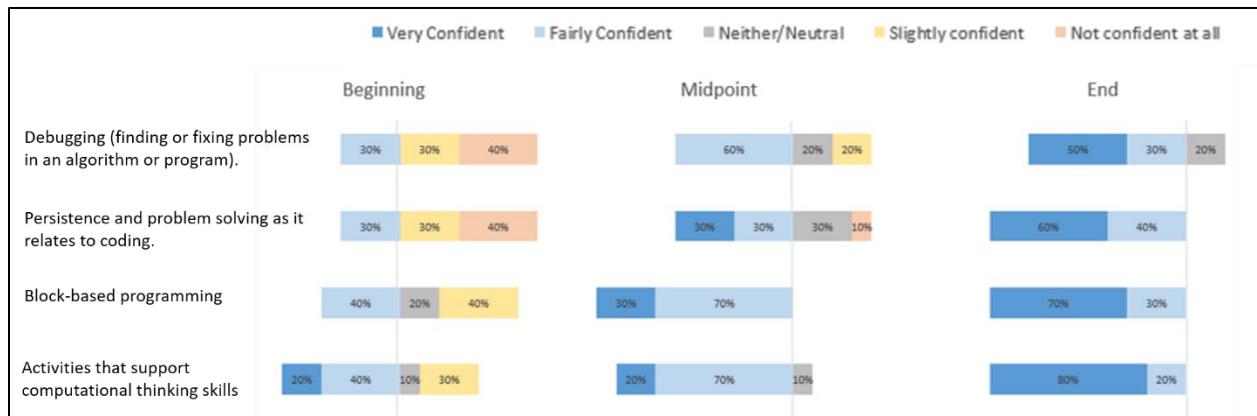
BOTS 2019-20 Partner Schools:
- Sheridan Street Elementary School
- Murchison Street Elementary School
- Resurrection Catholic School
- St. Odilia School

What impact does BOTS have?

100% of participating 20-21 teachers **"Strongly Agree"** with the following statements:
- BOTS added value to my classroom instruction.
- Participating in BOTS increased my knowledge of coding.
- Participating in BOTS increased my confidence in teaching coding.
- I will continue to include coding/computer science in my future curriculum.

	Beginning	Midpoint	End
Debugging (finding or fixing problems in an algorithm or program).	30% / 30% / 40%	60% / 20% / 20%	50% / 30% / 20%
Persistence and problem solving as it relates to coding.	30% / 30% / 40%	30% / 30% / 30% / 10%	60% / 40%
Block-based programming	40% / 20% / 40%	30% / 70%	70% / 30%
Activities that support computational thinking skills	20% / 40% / 10% / 30%	20% / 70% / 10%	80% / 20%

Legend: ■ Very Confident   ■ Fairly Confident   ■ Neither/Neutral   ■ Slightly confident   ■ Not confident at all

Funding for BOTS graciously provided by:

GOOD NEIGHBORS CAMPAIGN

SPECIALTY FAMILY FOUNDATION

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