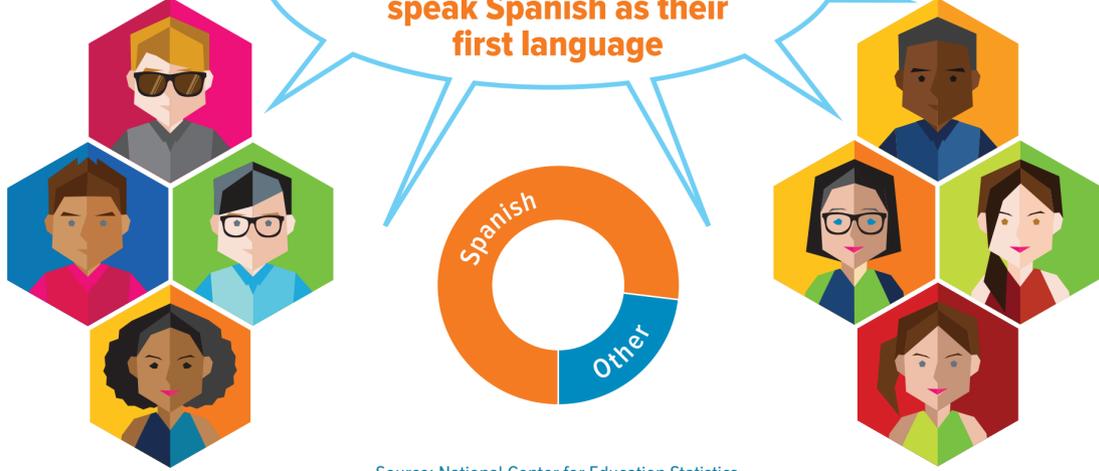


LATINO ELLS AND MATH:

Six Gap-Closing Classroom MATH STRATEGIES

77.1% of the 4.8 million English Language Learners in public schools speak Spanish as their first language

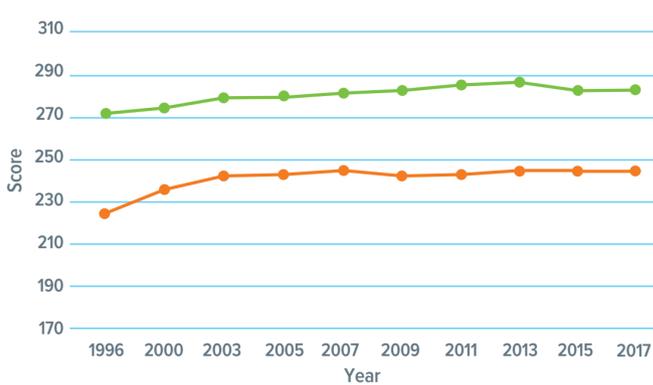


Source: National Center for Education Statistics

Significant gaps in NAEP math scores since the 1990s.

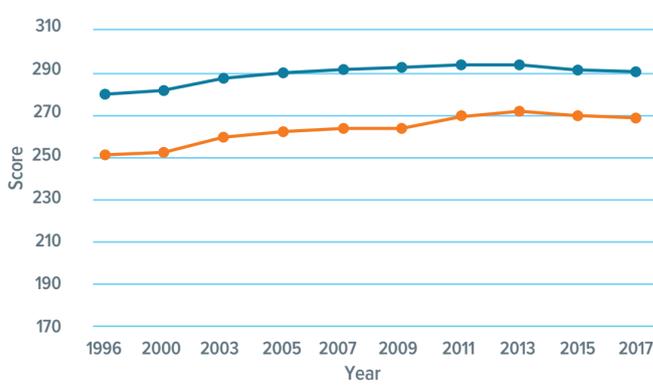
NAEP Mathematics 8th Grade:

● Non-English Language Learners
● English Language Learners



NAEP Mathematics 8th Grade:

● White
● Hispanic



Source: NAEP statistics 1996–2017

Myth: “Math isn’t language dependent”

Fact: A respectable body of research indicates certain kinds of language may cause difficulty for ELLs in mathematics

Source: Bilingual Mathematics Learners: How Views of Language, Bilingual Learners, and Mathematical Communication Impact Instruction

STRATEGY

1 Utilize bilingual faculty and support staff

Hire Spanish speaking teachers and support staff to take advantage of Spanish home-language fluency. These human resources can support math learning and English language acquisition both formally through the curriculum and instruction, and informally through classroom interaction. ↗



STRATEGY

2 Set high expectations with a rigorous curriculum

With Latino ELLs, educators should hold high expectations for every student, work flexibly to meet individual student needs, and avoid adopting a deficit model of student performance. ↗



STRATEGY

3 Use visual contexts and manipulatives

Using manipulatives, including virtual manipulatives, to teach elementary mathematics is an effective, researched-based best practice. ↗



STRATEGY

4 Implement personalized, individualized, and blended models

Leveraging anytime, anywhere, self-directed learning with the support of technology in and out of the classroom is a powerful way to increase access and provide equal access to quality education. ↗



STRATEGY

5 Use assessment that’s balanced and dynamic

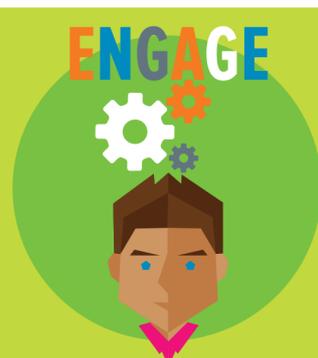
NCTM suggests that a best practice for ELLs in math is empowering them to demonstrate and explain their understanding in multiple ways. ↗



STRATEGY

6 Increase engagement and motivation

Lessons and classroom experiences that require active involvement can motivate ELL students and engage them in the learning process. Connections to authentic and meaningful contexts help them understand concepts and acquire skills more easily. ↗



DreamBox Learning® Math in English and Spanish for elementary and middle school students provides a standards aligned curriculum, equal access, and scaffolded support that builds deep math understanding to reach high standards—in the language that works best for Latino ELLs.

Read our white paper, [Six Strategies to Close Math Gaps for ELLs](#) and share this infographic.



To learn more about how DreamBox Learning® partners to support Latino ELLs in math, visit: [DreamBox.com](#)

