

How can LEGO® Education Science help students develop 21st century skills?

What would happen to K-8 students' creativity, critical thinking, communication, and collaboration if science class had more inquiry-based, joyful, hands-on experiences?

We did the research and here's what we found.

"If you don't have any ideas, other people might have one that's really good."

Grade 4 student (PA)

Participants at a Glance

We studied the impact of LEGO Education Science in Title 1 schools with large populations of



multilingual learners

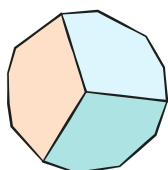
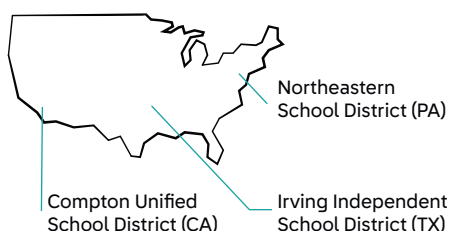


students receiving special education services



students eligible for free or reduced-price lunch

Districts Included



201 students

64 in grades 1-2
64 in grades 3-4
73 in grades 6-7

9 teachers with varied experience

"Some of them were out-of-the-box... They had an idea in mind and figured out a way to solve that problem."

Kevin Koliscak,
Grade 6 teacher (PA)
on Creative Problem-Solving

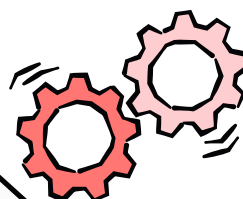
Key Results*

100% of teachers reported that students were more collaborative during LEGO Education Science lessons compared to regular science instruction.



8 out of 9 teachers reported students were more likely to show critical thinking during LEGO Education Science lessons than typical science lessons.

78% of students self-reported staying on task during lessons, indicating sustained behavioral engagement.



100% of teachers observed significantly more student creativity in LEGO Education Science lessons than in regular science lessons.

*Measurement details available in the full report

Access the full case study report here!

