



EXPLORE

FIRST® LEGO® League Explore Ignites Early STEM Engagement

Hands-On Classroom and After-School Programs

In FIRST® LEGO® League Explore, teams of students ages 6-10 focus on the fundamentals of engineering as they explore real-world problems, learn to design and code, and create unique solutions made with LEGO® bricks and powered by LEGO® Education SPIKE™ Essential.

Learn more about FIRST LEGO League by visiting www.firstlegoleague.org.

FIRST LEGO League Explore Class Pack

Explore can be implemented through FIRST Class Packs, which includes curriculum for educators and facilitators to guide their students through 12 sessions designed to introduce the fundamentals of engineering through real-world problem solving.

Explore Implementation Study

From 2019-2022, FIRST worked with the Lawrence Hall of Science, UC Berkeley¹ to evaluate the FIRST LEGO League Explore and Challenge programs. Goals of the evaluation included understanding impact the programs had on students and teachers. This evaluation was funded by the LEGO Foundation.

¹ Collins, M., Sanchez, A., Yun, S., Grindstaff, K. (2022). Evaluation of the FIRST LEGO League Explore and FIRST LEGO League Challenge Class Pack Model. Berkeley, CA: The Research Group, Lawrence Hall of Science.

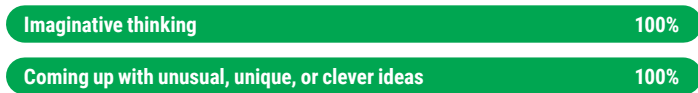


Key Findings

Teachers and facilitators noted positive student outcomes in core FIRST program areas, including:



Students have gains in creativity



Students have gains in teamwork and problem solving



Students have gains in STEM Outcomes



Students reported increased interest in robotics and programming



"You just see the kids grow. They grow socially, emotionally. They grow academically. This is a full program. I...do FIRST because it's a superior experience." – Teacher

Learn more at firstinspires.org/impact

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