



DISCOVER

FIRST® LEGO® League Discover Ignites Early STEM Engagement

Hands-on Activities in the Classroom and at Home

Designed for children ages 4-6, FIRST® LEGO® League Discover ignites students' natural curiosity and builds their habits of learning with hands-on activities in the classroom and at home using LEGO® DUPLO® bricks, including the LEGO® Education STEAM Park Set, to grow their understanding of gears, motion, measurement, and solving problems together. Themed Discover Sets help children explore how STEM relates to their world.

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

FIRST LEGO League Discover Class Pack

Discover is implemented through FIRST® Class Packs, which provide facilitators with the tools and resources to lead early learners through 10 sessions and a culminating event celebration as they explore science, technology, engineering, and math (STEM) through creative play. Children record what they learn in an Engineering Notebook and take-home Discover More Family Engagement Sets to extend and reinforce their habits of learning with family at home.

Discover Impact Study

From 2018-2021, FIRST worked with WestEd+ to evaluate the FIRST LEGO League Discover program. Goals of the evaluation included understanding the impact the program had on students and teachers. This evaluation was funded by the LEGO® Foundation.

+ Melchior, K., Tyler, B., Nguyen, K., Matlen, B. (2021). FIRST LEGO League Discover – Final Evaluation Report. San Francisco CA: WestEd.



Key Findings

Teachers and facilitators noted positive student outcomes in core FIRST program areas, including STEM literacy and social-emotional learning.

At the end of the program, 100% of teachers agreed:

- ✓ Children learn effectively through play
- ✓ Children learn best by experimenting with hands-on materials
- ✓ Early exposure to STEM activities fosters children's interest in STEM later on



Students have gains in STEM Outcomes



Discover meets the holistic needs of students



Students have gains in social-emotional skills



"[Students] learn a lot and the best thing is... it's so fun just to watch them have so much fun with something that they never were able to use before." – Teacher

Learn more at firstinspires.org/impact

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