



LEGO® Foundation

FIRST® LEGO® League

Discover Grant 2021-2022

FIRST®

FIRST® is committed to fostering, cultivating, and preserving a culture of diversity and inclusion. To build a uniquely diverse and innovative workforce – one that can truly address the challenges facing today's world – we need kids of all backgrounds and capabilities in the professional pipeline. All kids need equitable access to opportunity, relevant mentorship, and engagement to build a foundation for a bright future. Collectively, we must empower our young people to grow up to solve the world's most pressing problems, be strong citizens, and build a brighter future. – FIRST® LEGO® League Explore which serves grades 2-4, FIRST® LEGO® League Challenge which serves grades 4-8, FIRST® Tech Challenge, serving grades 7-12, and FIRST® Robotics Competition which serves grades 9-12.

FIRST® LEGO® League Discover

FIRST LEGO League Discover is a playful introductory STEM program for children in **Pre-K through 1st grade (ages 4-6)**, that ignites their natural curiosity and builds their habits of learning. By the end of the program, children emerge more confident, better equipped to face future challenges, and discover the joy of learning.

How does it work?

A new and exciting challenge is presented every year and each team of four children begins their exploration of this real-world theme with an exclusive LEGO Education Discover Set. With this set as a starting point, throughout the 10 sessions of the experience, they build a solution to the challenge with LEGO® DUPLO® elements. Teams share their journey, ideas, models, and STEM skills at a celebration event. Throughout their experience, teams operate under the FIRST [Core Values](#), celebrating discovery and teamwork, all the while having fun!

Grant Opportunity

To ensure greater access and ensure inclusion of all children, FIRST, in partnership with LEGO Education and with the support of the LEGO Foundation, is providing LEGO product and funding to communities through the FIRST LEGO League Discover Grant. This project is intended to provide support to start or grow FIRST LEGO League Discover, with particular emphasis on sites in areas with underrepresented and underserved children. For the purposes of this grant, underserved or underrepresented children include:

- Girls
- Youth of color
- Students from economically disadvantaged, rural, or urban communities
- Students with disabilities

The full definition of who is considered underrepresented/underserved can be found on the grant application

By providing start-up materials and professional development through the grant, local educators and program partners will be able to build capacity and scale the delivery of FIRST LEGO League Discover in future years.

Requirements

- Complete [LEGO Foundation Grant Application](#). Applications will be reviewed on a rolling basis until filled.
- Serve **at least 80 students in pre-K through 1st grade**
- Serve **primarily underrepresented and underserved students**
- Run the full program as designed (10 sessions) of Discover between August 2021 and June 2022
 - Engage parents by sending the Discover More sets home with students. We encourage organizations to implement additional parent engagement strategies.
 - For the final session (session 10), hold a Discover Showcase celebration event to recognize student accomplishments and share their work with others.

- At least one teacher for every 30 students must attend in-person **or** remote Professional Development. Travel costs to in-person sessions are **not** included in the grant.
 - ⊖ Discover Professional Development sessions will be approximately 6 hours long.
 - Sessions will be offered remotely with multiple dates throughout the fall. In-person sessions will be added as possible.
 - Sites receiving grants to serve over 300 students will receive training at their location from a *FIRST* Certified trainer at a date scheduled in collaboration with the site and the *FIRST* Education Department.
 - Other dates or locations may be booked through the *FIRST* Education Department at additional cost to your organization – see the [FIRST website](#) for more information.
- Site coordinators must provide student participation numbers and deidentified demographic data in a year-end report.
- Teachers must participate in the evaluation study conducted by *FIRST* and *FIRST*'s designees. Teachers will complete a pre-survey, post-survey, and logs after each session.
- Agree to offer Discover for one additional year beyond the grant period (2022-2023 school year). Organizations must **agree to cover the registration costs** for the number of students included in the grant for next year; future season registration is not provided by the grant. Registration is expected to be approximately \$200 for 8 students in future seasons.
- Sign a Memorandum of Understanding agreeing to the requirements of the grant and expected use of the products provided

Included in the Grant

The grant consists of LEGO products and Professional Development, valued at \$1431 per class pack registration:

- Registration (\$175 for 8 students)
Each class pack includes:
 - 8 student Engineering Notebooks
 - 1 teacher Team Meeting Guides
 - 2 Discover sets
 - 8 Discover More sets, intended to be sent home with students for families to keep
- 2 STEAM Park Sets for every 8 students (\$342 for 2 sets)
- 1 seat at a Professional Development session for every 30 students (valued at \$250 per person)

These items are **not** provided by the grant and must be paid by the grant recipient:

- Shipping (\$36 per order for registration)
- Taxes (Organizations who are not tax exempt must pay taxes on the grant-provided registrations and products.)
- Travel, food and accommodation costs to attend in-person professional development

Awards Available

Up to 1200 class pack registrations (each serving 8 students) are available this season for organizations within the U.S. and Canada.

Questions?

Contact FLLdiscover@firstinspires.org or FIRSTschoolengagement@firstinspires.org