



FIRST® LEGO® League Explore captures the curiosity of young children, ages 6-10, and directs it toward discovering the wonders of science and technology. Students explore and research a real-world topic, design and build a model using LEGO® elements making sure there is at least one motorized part, and then present their journey on a poster.

EXPLORE

Registration: Opens in May
Challenge Release: August

Time Commitment: Flexible but typically 12 one-hour sessions plus Festival

1

Learn about what we do

- **Create:** Teams illustrate their research and team journey in a Show Me Poster, sharing what they studied and learned.

- **Build:** Teams build a Team Model based on the Challenge, representing what they have learned.

- **Program:** Teams use LEGO® Education WeDo technology to make their model move, learning basic engineering and programming concepts.

2

Form your team



You need:

- 2-6 team members
- 2 Coaches (no programming experience required)
- Computer/Tablet with internet access

3

Register & gather your materials

You need:

- FIRST® LEGO® League Explore Set- Included with registration and comprised of LEGO® elements that serve as the hub of every season
- Team Meeting Guide with lesson plans and Engineering Notebooks for each student included with registration
- Poster board, markers, etc.

4

Begin work on the Challenge



Explore:

- Visit the *FIRST* LEGO League Jr. YouTube Channel for Getting Started Tutorials and more
- See what other teams are doing at www.pinterest.com/firstinspires

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Share what you've achieved



Celebrate your hard work

- Find an Expo near you at www.firstinspires.org/whatsgoingon
- Share ideas with other teams on Pinterest: www.pinterest.com/firstinspires
- Plan a time to present what you've done with friends and family



How to Start and Run a FIRST® LEGO® League Explore Team in Ontario



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Learn about the program

- **Create:** Teams illustrate their research and team journey in a Show Me Poster, sharing what they studied and learned.
- **Build:** Teams build a Team Model based on the Challenge, representing what they have learned.
- **Program:** Teams use LEGO® Education WeDo technology to make their model move, learning basic engineering and programming concepts.
- **Core Values:** Discovery, Inclusion, Innovation, Teamwork, Impact and Fun.

2

Form your team

- 2-6 Team Members Ages 6-10 (class packs/30 students and school packs/144 students also available).
- 2 Adult Coaches (no programming experience required)
- Figure out your Meeting space

3

Register your team

- **Register** a FIRST® account profile at firstinspires.org in the top right hand corner of home page, to access the dashboard
- **Log in** to **Create** your team (or account in the case of a class/school pack) on your dashboard
- Complete your Youth Protection Screening found on your dashboard when you click on your name in the top right corner of your dashboard.
- **Pay** your registration fee as instructed
- Apply for [Ontario rookie team grant](#)

4

Gather your materials

- **FIRST® LEGO® League Explore Set*** comprised of LEGO® elements that serve as the hub of every season
- **Team Meeting Guide*** 12 session plans
- **Engineering Notebooks*** for each student included with registration
- Computer/Tablet for programming
- One or more LEGO® Education **WeDo 2.0 core sets** per team ordered separately and reused annually, and AA batteries
- (Optional) Additional LEGO®
- (Optional) Team t-shirts
- **Poster board**, markers, etc.

*Included with annual registration fee

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Begin work on your challenge

- Use your team meeting guide as presented or adapt it to suit your needs.
- You can start and end your sessions at the time of year of your choosing.
- Keep up to date by subscribing to [Ontario's email updates](#).
- [Additional resources](#) such as [Ontario Curriculum Connections](#) can be found at firstroboticscanada.org.

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Share what you've achieved

- Plan a time to present what you've done with friends and family
- Participate in a celebration Festival near you or attend an remote Festival on-line. Visit firstroboticscanada.org for the current list of events. (Class/School Pack teams host their own Festivals). Festivals take place throughout the year so you can coordinate one that works out well with when your sessions conclude.

