



## 2019-20 FIRST LEGO League Jr.

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### Boomtown Build

***What if you could build a better world? Where would you begin?***

More than ever, we must come together to innovate and solve problems. In *FIRST*, you are part of a thriving community brimming with inspiration,

creativity, and hope for a stronger, more sustainable future—one that's built better together. BOOMTOWN BUILDS<sup>SM</sup> Challenge now available.

Each year, *FIRST* LEGO League Jr. presents a new and exciting Challenge to ignite the creativity of children age 6 to 10. Each team of up to 6 children begins the exploration of this real-world theme with an exclusive LEGO<sup>®</sup> Education Inspire Model. Using this model as a starting point, they design a new model of their own with LEGO<sup>®</sup> elements. As they work, they learn basic engineering and programming skills with LEGO<sup>®</sup> Education WeDo and apply those concepts to make their model move. Teams also document their work in an Engineering Notebook and share their journey through a team *Show Me* Poster. Throughout their experience, teams operate under the *FIRST* LEGO League Jr. Core Values, celebrating discovery, teamwork, and *Gracious Professionalism*<sup>®</sup>.

Video - [Boomtown Build](#)

Poster - [Boomtown Poster](#)

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## **Class and School Packs for Large Groups of Teams**

School Boards, schools, classrooms, libraries, and other organizations that are interested in running multiple teams will be interested in class and/or school packs for bulk discounts. *FIRST* Class Packs provide educators with materials to support 30 students, including Team Meeting and Planning Guides for educators, Engineering Notebooks for students, and a Program Administrator's Guide, which outlines how to run school- or organization-based events and competitions. The cost per Class Pack is \$495 USD (approximately \$660 CAD). A School Pack, supporting up to 144 students, is also available exclusively for *FIRST* LEGO League Jr. at a cost of \$955 USD (approximately \$1270 CAD). Class and School packs holders are expected to host their own expos.

For more information on Season's Passes click [here](#).

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## **Registration Steps**

Please follow the steps below, in sequential order, to ensure successful registration and product ordering this season (there is a [video](#) at the end of these instructions which explains much of this as well):

[Register a Team](#)

### **1. Sign up**

- a. Click [here](#) to sign in with your existing username and password OR to create a new user account. You can then register a team either by **updating an existing team profile** (for returning teams - please use your existing team number from previous years) **or by creating a new one** (if this is your first time participating).

More specific information about the new Team Registration System, including screenshots and step-by-step directions for use, can be found [here](#).

## 2. Complete Youth Protection Plan (YPP) Screening process

This [video](#) will help to guide you through the screening process. **Both coaches** are required to complete the screening but your “passed” status remains valid for 36 months so coaches who have already been screened within the past 36 months need only **accept the updated terms and conditions for YPP annually**.



## 3. Pay for your team’s registration

Return to the Dashboard and look for “Outstanding Tasks”. Payment will be an option. There are various methods of payment including credit card, bank account, cheque or purchase order.

***\*If you have trouble with anything related to your dashboard you can always call FIRST HQ at (800) 871-8326, as they maintain the system and have the ability to log in and see what you are seeing.***

## 4. Order WeDo 2.0 and additional LEGO if needed

As a minimum each team will require a WeDo 2.0, but you can supplement this with whatever additional LEGO you desire. [B&B](#) and [Spectrum Nasco](#) are the two LEGO Education suppliers for Canada. Please contact them directly to order your WeDo’s. If ordering multiples be sure to ask if a bulk discount is available. WeDo 2.0 sets retail for approximately \$260 CAD plus tax and shipping. These sets are a one time investment as they can be reused year after year.



## 5. Begin the challenge

The team meeting guide is based on 12 one hour sessions. You decide on your own start and end date. You can meet as often as desired, condensing meetings or expanding on them as you wish. The official season typically wraps up in April/May.

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### Helpful Registration videos:

- [Creating your inaugural FIRST LEGO League team](#) (first time coach)
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### Sample Budget:

Roughly \$450 CAD for a new team, costs reduced greatly in subsequent years.

- Team Registration Fee: \$99 USD
  - WeDo 2.0 (one time investment): ~\$260 CAD
  - Additional LEGO (optional):
  - Inspiration Set: Included with registration fee
  - Tournament Fee: \$0 - \$50
  - Team T-shirts (optional): ~\$10 per person
  - Miscellaneous: ~\$20
  - Team Meeting Guide: Included with registration
  - Engineering Notebooks for students: Included with registration
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### Other Helpful financial pieces:

- [Pricing Guide](#)



**FIRST Robotics Canada [Grant Opportunity](#):** A limited number of first-year team grants (\$200) are available for Ontario teams. Grant recipients need to agree to run the program for more than one season. Please use the application form provided at the

link. Grants are capped at 5 per school and a maximum of 20 per school board per year. Questions can be sent to Christine Bibic, [christine.bibic@firstroboticscanada.org](mailto:christine.bibic@firstroboticscanada.org).  
\*This grant can not be combined with the LEGO Foundation grant.

### **Season Dates:**

May: Registration Opens

August: Challenge is released

Late Fall and Spring: are typically when most Expos are held. Check [calendar](#) for dates.

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### **Expos:**

Expos are an important part of the FIRST LEGO League Jr. program. They give students the opportunity to share what they have learned and celebrate their accomplishments. Expos take place across the province. Some are open to all, while others are for a specific set of teams.

Teams can take place in as many Expos as desired providing there is space available. Teams should take part in at least one Expo.

Expos are added to the [calendar](#) throughout the year as volunteers step forward to organize these events. If you are interested in hosting an expo please contact Christine Bibic, [christine.bibic@firstroboticscanada.org](mailto:christine.bibic@firstroboticscanada.org).

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### **Other Links:**

[Ontario Library Information](#)

[FIRST Inspires](#) - FIRST LEGO League Jr.

[FIRST Robotics Canada](#) - Ontario FIRST LEGO League Jr.

[FIRST Robotics Canada - Facebook](#)

[FIRST Robotics Canada - Twitter](#)

[FIRST Robotics Canada - YouTube](#)

[FIRST LEGO League Jr. Intro Video](#)



### **FIRST LEGO League:**

Want to learn more about the next level in the FIRST family of programs? Check out this [link](#) for more information about FIRST LEGO League for ages 9-14.



### **FIRST LEGO League Jr. Discovery Edition:**

This is a brand new FIRST adventure for ages 4-6. *FIRST* LEGO League Jr. Discovery Edition is a playful introductory STEM program for teams of children (grades K-1), that ignites their natural curiosity and builds their habits of learning in a classroom setting. Students use Duplo “Steam Park Sets”, their Discovery Sets, and Engineering notebooks to explore the “Boomtown Build” theme. A limited number of \$750 grants are available through FIRST Robotics Canada to help establish new teams. Contact [christine.bibic@firstroboticscanada.org](mailto:christine.bibic@firstroboticscanada.org) for more information.