



## 2018-19 FIRST LEGO League Jr.

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### MISSION MOON<sup>SM</sup>

What would it be like to live on the moon? The 2018/2019 *FIRST*<sup>®</sup> LEGO<sup>®</sup> League Jr. season will transport you to a place where you make the rules, learn to thrive and explore all that is around you. Discovery awaits when you join this MISSION MOON<sup>SM</sup>.

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 2.0 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 Core Values celebrating discovery, teamwork, and *Gracious Professionalism*<sup>®</sup>.

Video - [Mission Moon Teaser](#)

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## Season's Pass Information for Large Groups of Teams

School Boards, large schools, libraries, and other organizations that are planning to operate multiple teams over the course of the season may want to explore the Season's Pass option. The small season's pass is designed so that you can operate up to 18 teams at any one time and re-use the materials throughout the season with new teams impacting up to 144 students. The big advantage is the cost savings as the small season's pass is \$955 USD (less than the cost of registering 10 teams) and a large season's pass is \$1895 USD and allows for up to 36 teams at any one time to a maximum of 288 students in total. Season's pass 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):



### 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

For more information on the YPP process visit [here](#). 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. This kit combined with the "Inspire Set" you will receive once you register your team will be enough LEGO to complete the challenge, but you can supplement this whatever additional LEGO you desire. Spectrum is the official Ontario FIRST LEGO League Jr. supplier. You can contact them at 1 (800) 668-0600 If ordering multiples be sure to ask for a quote first to see if you can get a discount.



### 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.

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### Helpful Registration videos:

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

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### Sample Budget:

Roughly \$400 CAD for a new team, costs reduced greatly in subsequent years.

- Team Registration Fee: \$99 USD

- WeDo 2.0 (one time investment): ~\$255 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. Season's pass grants will be \$1000, with an additional \$200 in the second year upon completion of a report and registration for the following season. 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.

[Other Grant Information and Resources](#)

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### 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 set of teams. The number of Expos and locations depends entirely on the number of volunteers that step forward to organize an event. If you would like to host a local Expo there are lots of great resources on our website for you and materials available to borrow to make your job easier. Contact Christine Bibic at [christine.bibic@firstroboticscanada.org](mailto:christine.bibic@firstroboticscanada.org) if you require more information.

Teams can take place in as many Expos as you desire providing there is space available. Teams also have the option of taking part in the online Showcase. Teams should take part in at least one Expo or the online Showcase.

Tournament dates/locations will be posted throughout the year at <http://www.firstroboticscanada.org/events/category/fljr/list/>. Please check this link regularly.

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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](#)

[2017 FIRST LEGO League Jr. Teams](#) - if you are looking for a team

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## **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.