



**Junior FIRST LEGO®
League (Jr.FLL) Team &
iSPACE Jr.FLL Expo
Information**

Created in partnership with the LEGO Group, Junior FIRST LEGO League (Jr.FLL) is geared to children aged 6 to 9 years old and utilizes a modified FIRST LEGO League (FLL) framework. Teams of up to 6 children and an adult mentor receive a mini challenge, based on the annual FLL research project. Using an open-ended LEGO building set, they will design a model depicting an aspect of this year's challenge, "Snack Attack."

Children will spend approximately one month exploring, investigating, designing and building a model made with LEGO bricks. In conjunction, teams create a "Show Me" poster that depicts the teams' experience during this process, through drawings and words.

Jr.FLL introduces children to the concepts of teamwork and basic design skills, creating an initial interest and hands-on approach to science and technology through the familiarity and fun of LEGO building. The goal: provide an experience that will begin to transform youngsters and open their eyes to the possibilities of improving the world around them through acknowledgement, thought, planning and technology.



The Jr.FLL experience also is a way of engaging younger siblings and friends of FLL team members in a similar team situation with goals. By cultivating their interest in and experience with this kind of hands-on, fun teamwork, they are likely to then transition to the FLL program, as they age up.

Teams are invited to participate in an iSPACE Jr.FLL Expo event held in conjunction with iSPACE FLL events.

The iSPACE Jr.FLL Expo is a 1-day event.
iSPACE Jr.FLL Expos are open to teams from any state.

KY: December 3, 2011
Turkey Foot Middle School

OH: January 21, 2012
iSPACE.

Registration/Cost:

To Register a Jr.FLL team with US FIRST, go to: www.usfirst.org and select Jr.FLL tab.
Registration opens August 11, 2011

The cost for a Jr.FLL team membership (registration) through US FIRST is expected to be \$25 per team. Teams have option to purchase optional LEGO kits at a discounted price after registering with US FIRST.

To register for the iSPACE Jr.FLL Expo after you register your team with US FIRST, please contact Bev Ketron at: bketron@spacescience.org or call 513-612-5769

The iSPACE Jr.FLL Expo fee is expected to be \$35 per team for the 2011-2012 "Snack Attack" Season. Teams must provide their US FIRST team number to participate in an EXPO event.

Additional information will be posted on the iSPACE website at: www.ispacescience.org

Jr.FLL Team Registration (Required)

Registration includes:

- Challenge instructions - Model and Show-Me poster
- Jr.FLL Coaches' Guide
- Jr.FLL Forums

Price: \$25.00 USD

These kits are offered to registered U.S. and Canadian Jr.FLL teams. Each registered team may only purchase one of each kit found below. Find other LEGO products to use with your team at [LEGO Education](#).

Jr.FLL Base Kit:

Strongly Recommended

Kit includes:

- LEGO® Bricks Set (884 pieces)
- LEGO Technology Resources Set (1,110 pieces)
- LEGO Power Functions Battery Pack
- LEGO Power Functions Motor
- LEGO XL Base Plate
- 6 LEGO SERIOUS® Play™ mini-kits with one set of activity cards (57 pieces in each mini-kit)



This base kit is suggested for teams that are just getting started and do not have any LEGO® materials to use for building their model. With this configuration team members are provided an abundance of LEGO materials including cam wheels, axle extenders, crane hooks, wheels, rack and pinion gears, bricks, plates, and gear blocks. Using the motor and battery pack teams will not only be able to build, but also bring their model to life. Rounding out this year's offering are the LEGO SERIOUS® Play™ mini-kits, Jr.FLL LSP activity cards and Jr.FLL LSP Coaches Guide. This new aspect of Jr. FLL includes a variety of simple building activities which encourage each team member to find their own voice while learning how to cope with team dynamics.

Discounted price for U.S. teams: \$139.95

Jr.FLL Plus Kit:

Optional

Kit includes:

- LEGO Education WeDo™ Construction Set (150+ pieces)
- LEGO Education WeDo™ Robotics Software - Team License
- LEGO Education WeDo™ Activity Pack Team License

This kit is perfect for returning teams who are eager to add robotics as a component to their Jr.FLL model. The LEGO® Education WeDo™ system was designed specifically to bring the fun and challenge of robotics to students ages 7 to 11. Team members will be able to build LEGO models featuring working motors and sensors; program their models with colorful, visual software designed just for kids; and explore a series of cross-curricular, theme-based activities while developing their skills in science, technology, engineering, and mathematics, as well as language and literacy. The electronic activity pack explores four different themes, allowing team members to become familiar with the product before constructing their Jr.FLL model. This kit is a great transition to the skills need for the *FIRST* LEGO League.



Discounted price for U.S. teams: \$169.95

(Kits are not required. You may use any LEGO pieces in the Jr.FLL model except for Quatro or Duplo)