



## FIRST® LEGO® League

# Take part in the world's largest STEM competitions

**FIRST® LEGO® League** has more than 50,000 teams in 90 different countries taking part. The IET are proud to deliver this inspirational programme in the UK and Ireland.

It is a robotics-based life skills competition where young people develop the confidence, problem-solving, teamwork and communication skills they will need to prepare them for the 21st century engineering workplace.



### There are two age groups:

- **FIRST® LEGO® League Jr.** is for 6-9 year olds working in a team of up to six children.
- **FIRST® LEGO® League** is for 9-16 year olds working in a team of up to ten children.

Teams prepare for their regional tournament or expo where they showcase their work.

### The programmes have three parts:

- Project
- Robotics Challenge
- Core Values



To enter or find out more go to:

[www.firstlegoleague.co.uk](http://www.firstlegoleague.co.uk)

or

[www.firstlegoleaguejr.co.uk](http://www.firstlegoleaguejr.co.uk)

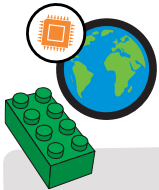
 /FirstLegoLeagueUK

 @FLLUK





Each year there is a real world theme around which all the challenges are set. For example animals, space or water.



## Project



Teams research the annual theme and identify a real-world problem for which they have to design an innovative solution. It takes learning beyond the classroom as teams collaborate with experts in the field to get feedback on their ideas and develop their solution. They produce a prototype of their invention and communicate their work in a creative presentation for the judges on tournament day.



Teams research the annual theme and display their learning on a Show Me Poster. They are encouraged to talk to people working in the area of their research to find out as much as they can. Teams share their ideas for how to solve the challenges they explore when they attend the expo.

## Robotics Challenge

The robot game where teams design, build and programme a robot to complete a set of missions on a themed competition mat using LEGO® Mindstorms kits.

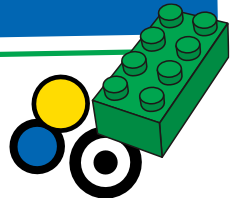
Teams design, build and programme a LEGO® Team Model to move using LEGO® Education WeDo 2.0 kits.

## Core Values

Teams must demonstrate the **FIRST® LEGO® League Core Values** in everything they do.

They are about inclusion, teamwork, sharing what they have learnt, friendly competition, and most importantly having FUN! By giving the teams so much to achieve in the lead up to the regional event, they learn to rely on each other and value what each individual brings to the group. Every year Champion teams from the regional events progress to the UK and Ireland final and 12 teams represent their country on the global stage at the international finals in the USA and other European destinations.

The IET are delighted to be the operational partners for this life changing programme, which makes learning FUN and keeps children excited about STEM subjects. It has equal numbers of girls and boys and motivates young people to choose careers in the field of engineering.



Email: [firstlegoleague@theiet.org](mailto:firstlegoleague@theiet.org)  
or [firstlegoleaguejr@theiet.org](mailto:firstlegoleaguejr@theiet.org)

Register a team now at

[www.firstlegoleague.co.uk](http://www.firstlegoleague.co.uk)

The Institution of Engineering and Technology is registered as a Charity in England and Wales (No. 211014) and Scotland (No. SC038698).

FIRST® LEGO® League and FIRST® LEGO® League Jr. are jointly held trademarks of FIRST® and the LEGO Group. This trademark is used by special permission of FIRST and the LEGO Group, neither of which is overseeing, involved with, or responsible for this activity, product, or service. © 2010 the LEGO Group and FIRST®. Used by special permission. All rights reserved. The FIRST® LEGO® League PROGRAM in the UK is organised by The Institution of Engineering and Technology under license from the LEGO Group. ©2012 The LEGO Group.