

ANNOUNCEMENT OF FIRST<sup>®</sup> LEGO<sup>®</sup> League Cyprus  
2024-2025

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## 1 Introduction

The [Cyprus Computer Society \(CCS\)](#) announces the organization of the FIRST® LEGO® League Cyprus 2024 - 2025 (FLL Cyprus 2025) in collaboration with [EDUACT](#). Eduact is the exclusive partner for the organization of the FIRST® LEGO® League educational innovation, research and robotics competitions in [Greece](#), Cyprus, Bulgaria and other Balkan countries.

The [FIRST® LEGO® League](#) is the world's largest robotics league and enables children aged 4-18 to participate in a unique festival through which they learn, interact, collaborate and have fun! It introduces Science, Technology, Engineering, Arts and Mathematics (STEAM) through fun, exciting and hands-on learning activities and develops 21st century skills.

FIRST® LEGO® League is part of the robotics programs offered by [FIRST Inspires](#).

## 2 FIRST® LEGO® LEAGUE Programmes

FLL includes 3 programs that address three age categories, two are festivals and one is a competition as follows:

### 2.1 FIRST® LEGO® LEAGUE Discover (Festival)

This playful introductory STEAM programme reignites young children's natural curiosity and builds habits of learning with hands-on activities in the classroom and at home using LEGO® DUPLO® bricks.



- ✓ Combined, optionally and if the team wishes, with [STEAM Park & Coding Express](#) equipment to allow for more educational sessions/workshops to better prepare the team.
- ✓ The team consists of 2-4 children (**4-6 years old, preschoolers and toddlers**)
- ✓ Team participation fee: 100€

### 2.2 FIRST® LEGO® LEAGUE Explore (Festival)

In FLL Explore, the teams focus on engineering fundamentals as they explore real-world problems, learn to design, program and create unique solutions built with LEGO bricks and powered by LEGO® Education WeDO 2.0 or LEGO® Education SPIKE™ Essential.



- ✓ Combines with [SPIKE™ Essential](#) and LEGO WeDO 2.0 equipment
- ✓ The team consists of 2-6 children (**6 - 10 years old, 1st - 4th grade**)
- ✓ Team participation fee: 150€

### 2.3 FIRST® LEGO® League Challenge (Competition)

Friendly competition is at the heart of the FIRST® LEGO® League Challenge, as teams engage in research, problem-solving, coding and engineering - building and programming a LEGO robot that navigates the missions of the Robot Game and present an Innovation Project to a group of Judges.



- ✓ Combines with [SPIKE™ Prime](#), LEGO EV3 and Mindstorm equipment
- ✓ The team consists of 2-10 children (**10 - 16 years old, 5th Primary – 2nd Lyceum**)
- ✓ Team participation fee: 350€

### 3 The Season's Theme



During the **2024-2025 season**, **FIRST® DIVE<sup>SM</sup>** presented by Qualcomm, we are spotlighting the role STEM and collaboration skills play in the **exploration of life on the ocean's bottom**.

At the same time, teams will strive to innovate and contribute to the effort to preserve clean oceans! The future belongs to children and we invite them to explore it!



The future is a place that children will create! In this context, teams will imagine, create and invent new ways of exploring, conserving and protecting the oceans from threats and risks and also propose ways of exploiting their potential.

See the theme video of this season: → [FIRST DIVE BY QUALCOMM](#) - [SUBMERGED](#)

## 4 Preparation of your Teams

### 4.1 Training Materials

By participating in the FIRST® LEGO® League Discover, Explore, Challenge the team gets:

1. Set of equipment that can be combined with the existing equipment of the team
2. Lesson plans for 12 prep training sessions
3. Engineering manual/student's guidebook for guidance (available online)
4. Teacher training sessions
5. Participation in the relevant festival (expo event) or competition
6. Certificates and medals for the participants of the event or competition

Especially for the Challenge competition, teams get extra:

1. The detailed rule book for the Robot Game
2. Task evaluation rubrics that help teams in the design of their robot
3. The Challenge Set which includes the Mission Models and the themed Track (LEGO Mission Models & Mat).

### 4.2 Preparation for the FLL Discover (Festival)

See the [video for the Discover equipment set](#).



The FIRST® LEGO® League Discover season culminates with an expo event where teams share their work and knowledge (with volunteers, friends, family and the general public who will be visiting the event) by presenting their builds and posters and any other materials they have prepared (e.g. presentations, videos, etc.).

There are no motorized parts in Discover, they must be duplo. There is no restriction on the number of pieces that can be used they just have to be exclusively LEGO. As mentioned above, with the Discover set provided with your subscription, STEAM Park or Coding Express can be used optionally.

Please note that Discover is of non-competitive in nature.

#### 4.3 Preparation for the FLL Explore (Festival)

See the [video for the Explore equipment set](#).



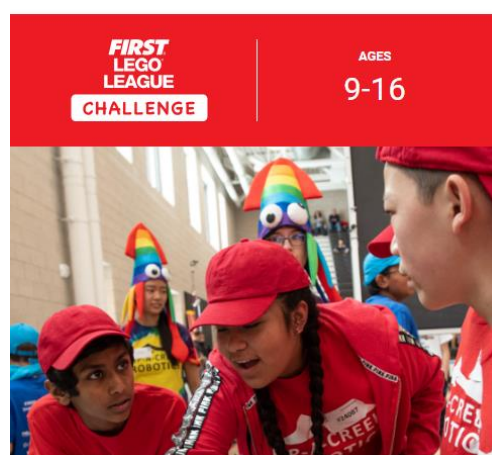
The FIRST® LEGO® League Explore season culminates with an expo event where teams share their work and knowledge (with volunteers, friends, family and the general public who will be visiting the event) by presenting their crafts and posters and any other materials they have prepared (e.g. presentations, videos, etc.).

In Explore, structures can have one brain and as many motors or sensors as can be connected to that brain, e.g. 2 motors only or 1 motor and 1 sensor. As mentioned above in Explore, SPIKE Essential or WeDO 2.0 or WeDO can be used in conjunction with the kit provided with your subscription. As with Discover, there is no limit to the number of pieces that can be used just that they must be exclusively LEGO.

Please note that Explore is also of non-competitive in nature.

#### 4.4 Preparation for the FLL Challenge (Competition)

See an [overview of the Challenge here](#):



The FLL Challenge season culminates with a competition in which teams present their work in two areas

- (a) In an **Innovation Project** and **Robot Design** always applying the **Core Values** of FIRST.

- ✓ **In their presentation to a group of Judges**, all teams receive constructive feedback on their robot, programming and innovation.
  - ✓ Learn more about the [Innovation Project judging/evaluation process](#).
- (b) The final challenge in the three competition rounds of the **Robot Game**, where the robots compete for the best score in an impressive field!
- ✓ In the Challenge, teams can only use electronic pieces from the LEGO MINDSTORMS series, EV3, SPIKE and Inventor. For non-electronic pieces, they can use any and all LEGO pieces they want. For robot weight there is no limit and for size all equipment must fit within the two bases and be no more than 12 inches (305mm).
  - ✓ See the [Robot Game Rules Guide](#) and the [Challenge Robot Game Tasks video](#) and note that all the equipment and the field shown in the video is given to the team when registered.

Challenge teams are also competing for prizes in the individual categories of the competition, check out [the awards here](#).

## 5 Educational Guides, Development Cards & Rules

Full training material, guides and detailed regulations are provided to prepare the teams properly. We advise you to read, study and use the material with your team in order to achieve the best possible result.

After completing the registration and payment of your team's participation fee, you will be given access to materials and season guides for coaches and teams.

## 6 Registration, Payment & Participation in FIRST® LEGO® League Cyprus

The FIRST® LEGO® League Cyprus event is the first activity of the Cyprus Computer Society that requires the payment of a fee by the participants due to the corresponding costs that the CCS itself pays to the organization **FIRST®**. *It is again noted that with the subscription each team receives hardware/robotic set which will be used for their training and preparation.*

To participate in the FIRST® LEGO® League Cyprus the following steps must be completed:

- ✓ Registration of teams by the coaches- **[Make your registrations here!](#)**

ΠΡΟΚΑΤΑΡΚΤΙΚΕΣ ΕΓΓΡΑΦΕΣ  
Provisional Registrations

- ✓ Depending on the programme in which the team participates, payment of the corresponding participation fee to the CCS bank account below:

*Beneficiary Name: CYPRUS COMPUTER SOCIETY*

*Bank: Τράπεζα Κύπρου*

*Account Number: 0174-0101-3393*

*IBAN: CY21 0020 0174 0000 0001 0133 9300*

*SWIFT BIC: BCYPCY2N*

For facilitation and quick completion of the registration process:

- ✓ ***On the deposit form please also include: FLL CYPRUS, NAME OF THE COACH and YOUR CONTACT PHONE.***
- ✓ ***Please send the deposit receipt to Ms. Christina Papamiltiadou at [c.papamiltiadou@ccs.org.cy](mailto:c.papamiltiadou@ccs.org.cy) with a PDF file and the name of the coach as the file name.***

Upon receipt of the above, the CCS will then send you:

- *Within 2 working days, by email, **the access codes** to the training material so that you can immediately start training and preparing your team.*
- *Within 7 working days at the latest, **the set of equipment** for the event you registered for.*
  - *The equipment will be sent to a courier office in your area and you will receive a call on the contact number you specified with your registration.*
  - *Please note that you will have to pay the shipping cost to receive your set. Alternatively, you may collect your set from the CCS office in Nicosia.*



## 7 Timeframe & Event Venue

The FIRST® LEGO® League Cyprus event will be organized **either on the weekend 8-9 or on the weekend 15-16 March 2025** and it will be finalized shortly together with the venue of the event. The event schedule is shown below.

Action/Activity	Period of Implementation
Event Announcement & Invitation for registrations by coaches	September 2024 – 17 January 2025
Team Registrations, Payment of Participation Fee. Please refer to section 6 above.	
Dispatch of equipment kits to coaches and access to the educational/training materials.	
Informational and educational meeting of coaches	November 2024 – Exact date will be announced in due course.
End of registrations for participation	17 January 2025 (approximately two months remaining for training/preparation)
Informational and educational meetings of coaches	Dates for 2025 will be announced in due course.
FLL Discover & FLL Explore Festivals & FLL Challenge	Either on the weekend 8-9 or on the weekend 15-16 March 2025.

## 8 Participation in International Events

The global competitions shown in the table will be implemented for this year and the places are distributed across 110 countries. This year as Cyprus we will have the participation of at least one team in at least one FIRST world tournament in the FLL Challenge category.

Participation in International Events	
FIRST Championship, Houston, USA 16 – 19 April, 2025	FLL Open European Championship, Bodo, Norway May 2025
FLL Open Championship Sydney, Australia July 2025	FLL Open Championship Sao Paolo, Brazil August 2025

It is noted that no international and/or regional festivals have been announced for the Discover and Explore programmes. In case such events are organized the CCS will request the participation of team/s from Cyprus and an announcement will be issued accordingly. Furthermore, it is expected that Discover and Explore festivals will be held in various regions of Greece during the period May - June 2025. In this context there will be the possibility of participation of teams from Cyprus. Interested coaches are advised to follow the relevant Eduact announcements.

## 9 Useful Resources

- Video about the season's theme: [FIRST DIVE BY QUALCOMM](#)
- Community for the FLL Challenge: <https://www.facebook.com/groups/FLLShareandLearn/>
- Community for FLL Explore: <https://www.facebook.com/groups/FLLrShareandLearn/>
- First® Lego® League Channel Youtube: <https://www.youtube.com/@FIRSTLEGOLeagueofficial>
- Highlights from the [10 Years FIRST LEGO League Greece](#)
- Highlights from the [FLL Open International Greece](#)
- [FIRST® LEGO® League Explore](#)

## 10 More Information & Communication

For more information on the FIRST® LEGO® League you may visit the website of the international event at <https://www.firstlegoleague.org> and the website of Eduact for FLL Greece at <https://firstlegoleague.gr>.

For more information on the tou FIRST® LEGO® League Cyprus 2025 event, you may contact Mrs. Christina Papamiltiadou on the number 22460680 and by email on [c\\_papamiltiadou@ccs.org.cy](mailto:c_papamiltiadou@ccs.org.cy).