**2019 Nelson Team Grant League Host Application**

**Nelson Team Grants** seek to enable Title I and STEM-focused elementary and middle schools (grades 4-8) in the Los Angeles area (especially LAUSD) to start robotics teams to participate in the VEX IQ Challenge. Only schools that have not previously registered VEX IQ Challenge teams are eligible. Our goal is to motivate students to pursue STEM degrees and careers. We provide schools with the resources needed to inspire the next generation of scientists and engineers.

**2019-2020 LAUSD VEX IQ Leagues**

Our goal is to start 2-4 new LAUSD VEX IQ leagues and maintain the 9 continuing leagues, although some continuing leagues host sites may change. Each new league should have up to 12 new schools and 20-24 teams. Continuing leagues should have 20-36 teams. Each league needs at least 16 teams to qualify top teams for State Championships.

Each new league is expected to host a Coach Basic Training session for new coaches either the week after school ends in June or the week before school ends in August.

Leagues will meet after school at least four times between October and January:

* September: Coach Orientations for coaches of new leagues and of leagues with many new coaches
* October: Session 1 for new leagues: Practice Teamwork Matches and Qualification Teamwork Matches
* October: Session 1 for returning leagues: Qualification Teamwork Matches
* November and December: Sessions 2-3: Qualification Teamwork Matches
* January: Session 4: Skills Matches and Judging followed by Finals Matches and Awards

**LAUSD VEX IQ League Hosts**

To provide an optimal learning experience for the students, we need high schools and middle schools with strong robotics programs and good facilities to serve as league hosts. League hosts need to provide:

* Parking for teams and families of students
* Work tables and 6-8 chairs for each team
* Seating for an audience of family members of students (2-4 seats per team)
* An area with a power outlet where teams can plug in chargers for batteries to a provided surge protector.
* An area for 2-3 practice fields
* An area for 2-3 competition fields
* 2 tables and 4 chairs for check-in and robot inspection (can be reused for queuing matches)
* 2 tables and 4 chairs for queuing matches
* 2 tables and 4 chairs with power for event management
* Computer running the Tournament Manager software and connected to Wi-Fi and to:
  + Printer (at least 20 pages per minute) to print match schedules
  + Projector to display match schedules, match timer, and match results
  + Speakers to run matches. This could be a connection to the PA system.
* Screen or blank wall space used by projector that is visible to the audience and to teams participating in matches
* Public Address system to make announcements to audience and teams.

The ideal host site is a gym with bleachers that can serve as seating for the audience. If chairs are used for audience seating instead of bleachers, then an additional camera/tablet, projector and screen are recommended to project a live image of matches.

Each team participating in your league will pay an event registration fee (typically $100) to your school to cover league expenses. After the first year, you will need to order and pay for 4-6 VEX IQ Challenge Full Field & Game Elements Kits (estimated total cost $400-$600) for the new game each season. Most LAUSD leagues pay event registration fees for teams that qualify for the State Championship (3-5 teams at $250 each). Organizations at your school can raise additional funds by selling snacks, food, and beverages to coaches, students, and family members that attend your events.

Note: This page does not need to be scanned and submitted with your application.

**New League Host Award**

For 2019 and 2020, Nelson Team Grants is combining resources with the Robotics Education & Competition (REC) Foundation to start 2-4 new leagues each year. Each new league should have up to 12 new schools and 20-24 teams. We plan to provide each **New League Host** with two competition fields and two practice fields:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Item** | **Total** | **Nelson Team Grant** | **REC Foundation** |
| 4 | VEX IQ Challenge Full Field Perimeter & Tiles | $800 | $600 | $200 |
| 4 | VEX IQ Challenge Full Field & Game Elements Kit | $400 | $300 | $100 |
| 1 | VEX IQ Inspection Field (1 wall, 4 plates) | 25 | 25 |  |
|  | Surge protector with 14 outlet plugs and 4 USB | 31 | 31 |  |
|  | **New League Host Total** | **$1,256** | **$956** | **$300** |

**Continuing League Host Award**

Continuing leagues with more than 24 participating teams will need three competition fields and three practice fields. We plan to provide each **Continuing League Host** that has more than 24 participating teams with one additional competition field and one additional practice field:

|  |  |  |
| --- | --- | --- |
| **#** | **Item** | **Nelson Team Grant** |
| 2 | VEX IQ Challenge Full Field Perimeter & Tiles | $400 |
| 2 | VEX IQ Challenge Full Field & Game Elements Kit | $200 |
|  | **New League Host Total** | **$600** |

**League Host VRC Award**

We want each league host to have a strong robotics program, so we would like to start a robust VEX Robotics Competition (VRC) program at each league host high school that does not already have one. League host middle schools that have an established VEX IQ Challenge program with multiple teams but not a VRC program are also eligible to apply for the **League Host VRC Award**. We plan provide each **League Host VRC Award** recipient with the following robotics equipment (total cost: $4,210 plus tax) plus the first-year team registration fees ($250) to start two VRC teams:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Item** | **Total** | **LARobotics** | **REC Foundation** |
| 2 | VRC Team Registrations (first year only) | $250 | $250 |  |
| 1 | V5 Competition Super Kit | $1,500 | $1,500 |  |
| 1 | V5 Competition Starter Kit | $900 |  | $900 |
| 1 | VEX Robotics Voucher | $200 |  | $200 |
| 1 | Extra V5 Robot Battery | $50 | $50 |  |
| 1 | VRC Full Field Perimeter, Tiles, & Rubber Feet | $1,040 | $1,040 |  |
| 1 | VRC Full Field & Game Elements Kit | $500 | $500 |  |
| 1 | VRC VEXNet Competition Switch | $20 | $20 |  |
|  | **League Host VRC Award Total** | **$4,460** | **$3,360** | **$1,100** |

Schools that receive League Host VRC Awards are required to register two VRC Challenge teams ($250 registration fees paid by grant the first year) and to register those teams for and to attend an official event (typical fees $200) each year. Schools should plan to spend $200 the first year for event registrations and $1,150 each subsequent year for team registrations ($250), for event registrations ($200), for field and game element kits ($500), and for additional robot parts ($200). The recommended size of each team is 3-6 students the first year and up to 12 students each subsequent year.

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**Nelson Team Grant League Host Agreement**

If my school receives a Nelson Team Grant for League Host, I understand that my school will have use of the provided robotics equipment for as long as my team fulfills the conditions listed below. New VEX IQ Challenge and VRC seasons start after the VEX Robotics World Championships at the end of April each year.

* If applying for the **New League Host Award** or the **Continuing League Host Award**:
  + The administration at my school supports creating a sustainable VEX IQ Challenge league.
  + My school will register and host at least one official VEX IQ Challenge league each season.
  + After the first year, my school will be responsible for ordering and paying for 4-6 new VEX IQ Challenge Full Field & Game Elements Kits each season (estimated total cost $400-$600, paid from event registration fees)
* If applying for the **League Host VRC Award**:
  + The coaches/mentors and administration at my school support creating a sustainable VRC program.
  + My team will complete and pay team registration each season (paid by the grant the first year).
  + My team will complete and pay event registration and will attend at least one official event each season.
* The robotics equipment will be stored in a safe, clean location.
* The robotics equipment will be used for official VEX IQ Challenge or VRC events or activities each season.
* My school/team will participate in post-season surveys to assure that the above conditions have been fulfilled.

In the future, if my school no longer fulfills the conditions listed above, I will return the relevant robotics equipment so that it can be made available to another school.

**Nelson Team Grant League Host Application**

My school is applying for: **New League Host Award** **Continuing League Host Award**

For new leagues, at least one Event Partner (EP) needs to receive **EP Training** prior to receiving robotics equipment:

1. EP name:

2. EP name:

E-mail:

E-mail:

My school is applying for: **League Host VRC Award**

At least one coach needs to attend a full-day **Coach Basic Training** session prior to receiving robotics equipment:

1. Coach name:

2. Coach name:

E-mail:

E-mail:

Note: This application should be signed by a school administrator, preferably by the Principal.

Signature:

Printed Name:

Title: Date:

School:

E-mail:

Phone: Local District:

Please scan and email this completed page to [LeRoy@LARobotics.org](mailto:LeRoy@LARobotics.org) by **Friday, May 31, 2019**.

For additional information, please see <http://larobotics.org/resources/Frequently_Asked_Questions.pdf> or contact:

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