

Riverwatch Middle School Robotics Membership Information

VEX IQ is a robotics platform designed to transform STEM learning for young students and their teachers. In the VEX Competitions, students are tasked with designing and building a robot to play against other teams from around the world in a game-based engineering challenge. Classroom STEM concepts are put to the test on the playing field as students learn lifelong skills in teamwork, leadership, communications, and more.

VEX IQ Robotics provides:

- ❑ Challenging Competitions
- ❑ Leadership Development
- ❑ Teambuilding and Friendships

Membership Dues:

\$200 Includes: Robotics shirt, competition fees, robot kits, spare parts, and competition meals.

Payment Arrangements can be made. Money should not be what keeps any student from participating in the robotics team.

Meeting Dates and Information

- ❑ **Meetings and Work Sessions** – Meetings will take place 2 to 3 times a week during flextime.
- ❑ **Competitions** – Students will participate in 4 to 6 events throughout the school year, some will be face to face and some competitions will be remote.
 - Oct 2nd: Remote competition
 - Oct 23rd: In person competition
 - Nov 13th: In person competition
 - Dec 11th: In person competition
 - Jan 22nd: In person competition
 - February: State Championship
- ❑ Regardless of the manner of events, this will be an opportunity for members to build skills and knowledge. Please note all team members may not drive the robot at competitions, but are still expected to be at the competition. Some teams will rotate drivers while other teams will use the best drivers.

For more information, contact: tkamat@forsyth.k12.ga.us

Please turn in completed applications to Mrs. Kamat by August 24th. Late applications will not be accepted once teams have been designated. Club dues will be due once a student application has been accepted. Do not pay club fees until you have been notified that your child has a guaranteed spot on the team. In the event that more students apply than can be accepted, students may be placed on a waitlist.

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To become a member, please fill out and return the forms to Mrs. Kamat by August 24th, 2021.

Parent/Guardian Signature for Permission to join: _____

Student Name (print): _____

Current Grade: 6th 7th 8th

T-shirt size (check the size): Youth Small Youth Medium Youth Large

Small Medium Large X-Large XX-Large

Parent/Guardian Information:

Name: _____

Cell #: _____ E-mail: _____

Name: _____

Cell #: _____ E-mail: _____

VEXIQ has multiple jobs for team members. Which job(s) are you interested in doing? A good team member usually participates in multiple jobs. Teams win awards at competitions for Robot Skills, STEM Research, Excellence, Design Award (judging of the robot and design notebook), and Teamwork Champions.

- | Job | Description |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| • Driver | A team of 2 students is responsible for driving the robot during competition. Teams will try out the week before the competition. The strongest 2 drivers will drive. |
| • Programmer | VEXIQ has a 60 second Skills Challenge. The programmer would write the functions for the robot to do. |
| • Builder | Builders are responsible for building the robot. |
| • Design Notebook | This person records all of the team meetings and information in the design notebook. |
| • STEM Research | VEX has a research component called STEM Research. Students would conduct and create a project based on the current STEM Research topic. |

Please write a paragraph about why you want to be on the robotics team. Can you commit to attending most meetings and competitions?
