

# LAKESSIDE ROBOTICS



Lakeside  
MIDDLE SCHOOL

Dear Parents –

This year the Lakeside Robotics Club is participating in VEX IQ and the VEX Design System. Both are intended to introduce students and adults into the world of robotics. While the robotics club is open to all students, there will be several competition teams. These teams will be formed in early August and will be dependant on two parent coach volunteers for each team.

## VEX IQ Teams

The VEX IQ teams will be open to 6th–8th graders who have previous robotics experience. This program requires teams to build and program a robot to complete a task revealed each year. VEX IQ Challenge is played on a 4'x8' square field. Teams compete in a 60 second long teamwork match. The object of the game is to attain a higher score than your opponent. Teams consist of 3–4 members and meet 1–3 days per week on average before or after school. Teams may meet off campus.

## VEX Design Teams

The VEX teams will be open to 7th–8th graders who have previous robotics experience. This program requires teams to build and program a robot to complete a task revealed each year. VEX Robotics Competition (VRC) is played on a 12'x12' square field. Teams compete in each match which consists of a twenty–second autonomous period followed by two minutes of driver–controlled play. The object of the game is to attain a higher score than your opponent. Teams consist of 3–4 members and meet 1–3 days per week on average before or after school. Teams may meet off campus.

If your child is chosen for a Robotics Team, please be aware that a registration fee of \$125 is required to cover the cost of registration, competitions, t–shirts and other supplies. Additional costs may be necessary for state and world events.

## **No Parent Coaches = NO ROBOTICS TEAMS**

Please have your child fill out an application and return it to the front office on or before August 21th.

# Lakeside Middle School Robotics Application

(PLEASE PRINT LEGIBLY)

Student Name: \_\_\_\_\_

Grade: \_\_\_\_\_

Parents Name: \_\_\_\_\_

Parents Phone: \_\_\_\_\_

Home: \_\_\_\_\_ Cell: \_\_\_\_\_

Parents Email: \_\_\_\_\_

Please select the team you are applying for. If you are interested in both VEX IQ and VEX, please indicate 1st and 2nd choice.

VEX IQ Challenge Team Member: (7th-8th graders) \_\_\_\_\_

VEX Design Team Member: (7th-8th graders only) \_\_\_\_\_

I am interested in being on a team with my friend \_\_\_\_\_.

**I have read the robotics information letter and am aware of the financial, volunteer, and meeting time requirements to participate in the Lakeside Robotics and AM UP FOR THE CHALLENGE!!**

Parent Signature: \_\_\_\_\_

Student Signature: \_\_\_\_\_

Completing this application does not ensure a spot on a robotics team! Teams will not be formed without committed parent coaches!!

\_\_\_\_\_ Yes, I can volunteer to coach a team

Please have your child answer the questions on the back of this sheet and return to the front office by August 21th! Coaches will be selecting teams and notifying members in August.

**Please answer in complete sentences in your BEST hand writing. You may attach a separate sheet of paper if you need more room.**

1. What robotics team would you like to be on? (VEX IQ or VEX) Why?
  
  
  
  
  
  
  
  
  
  
2. Describe any robotics experience you may have. (past team member, attended camp, own robot, etc.)
  
  
  
  
  
  
  
  
  
  
3. Have you ever programmed a robot using RobotC or NXT-G? If yes, please explain in detail what your favorite program did.
  
  
  
  
  
  
  
  
  
  
4. Have you ever built a VEX, VEX IQ or Lego Mindstorm Robot? If yes, please explain in detail what the robot looked like. (wheels, frame, arms, etc.)
  
  
  
  
  
  
  
  
  
  
5. Sometimes robots use sensors. What do robots use sensors for?
  
  
  
  
  
  
  
  
  
  
6. Would you prefer to concentrate on building robots or programming robots and why?
  
  
  
  
  
  
  
  
  
  
7. Do you like to do research? Why or why not?
  
  
  
  
  
  
  
  
  
  
8. Why do you think you would you be a good team player?