

Non-competitive Robotics has a focus on engineering, mathematics, computer programming, teamwork, and 21st Century Skills. Students are challenged through a cyclical design process to define needs, develop ideas, create prototypes, and test their creations via internal and external competitions and criteria. During this process students will learn time management, stress management, creativity, teamwork, and problem solving skills.

In addition to the above, Competitive teams will have the opportunity to compete in local competitions.

Robotics teams may register to participate in local and other competitions around the state. These are non-school sponsored events. Students that want to participate need to attend with their parents or guardians and work out the transportation and other logistics on their own for these events.

Attendance at competitions is not compulsory but is important to the teamwork aspect of the program. Also, parents are invited and encouraged to help at these events, both with the Hygiene team and as formal volunteers for the competition organizations. Most competitions will REQUIRE us to help volunteer.

Competitions are usually local and are 6-9 hours a few Saturdays in January and February, in addition we may also be invited for practice scrimmages if your child decides to join the competitive team you will be responsible for providing transportation to and from and providing supervision for your child.

State Qualifications— if your child's team is invited to participate at the State level you will be notified and as a team the children will decide if they are participating. Again, the transportation is the responsibility of the parents, carpooling is encouraged. If a team qualifies for the World Championship, all travel expenses are the responsibility of each parent.

The Robotics we will be using is VEX IQ and can be found at <http://www.vexrobotics.com/vexiq>

T-Shirts will be available to order at \$ 5 a shirt per child and/or adult after your registration is accepted.