

WHY VEX?

VEX IQ
CHALLENGE

VEX GO
CHALLENGE

VEX
ROBOTICS
COMPETITION

VEX AI
COMPETITION



How Can You Benefit From VEX Robotics?

It is estimated that by 2030, 85% of the STEM industry will be composed of jobs that haven't even been invented yet. It is also predicted that the robotics industry and market will be worth anywhere between \$160-\$260 billion. These robots may be independently functioning but who is going to give them these personified qualities and abilities? Robots are usually created by a team of people with varying skill sets and strengths. VEX Robotics teaches the children of today to be the creators of tomorrow through providing challenges that require you to think and giving you an enjoyable way to gain experience in multiple fields that will be vital in the future.



VEX Robotics offers puzzles that can work your brain at any age group or level, these games are specially designed every year to pose a perplexing challenge to anyone with the ideas and creativity to solve them. The games each year may look straightforward, and on the outside they are. However, after placing your robot onto that field, a whole new world of obstacles and challenges opens. VEX teaches you to use the engineering design process to solve issues, this is a skill that can be used for any problem you come across. From VEX IQ for elementary schoolers, to VEX U for college and university kids, VEX never fails to continue developing learner's brains all throughout their lives.



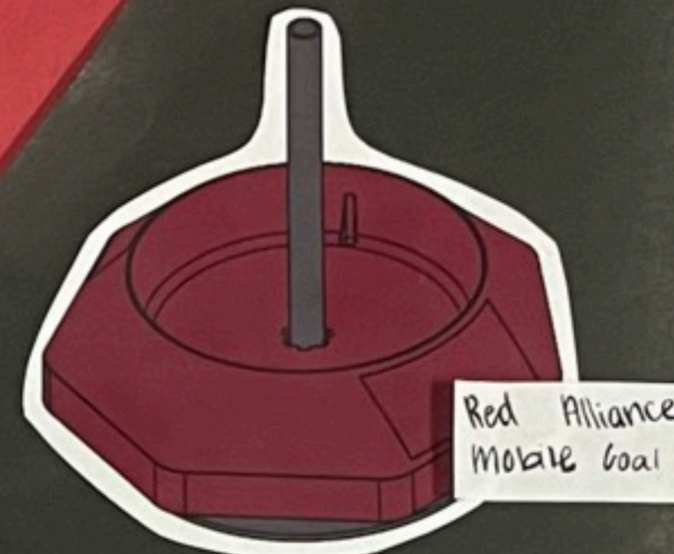
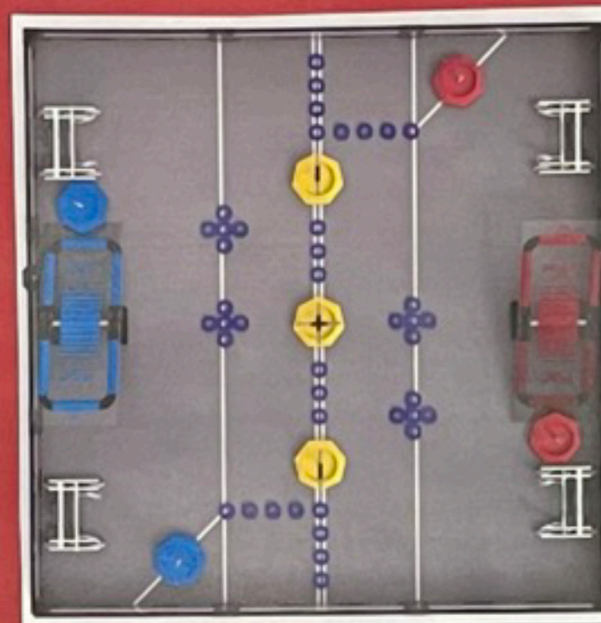
Robots are very complex and take a lot of work to be engineered and created. This process can't be done by someone who only has one skill. In fact, it's better when there's a team of people working on it, each with their own strengths. What VEX does is teach you how to work with people to get things done and makes you more well-rounded in many fields such as programming and mechanics. These people with different skills all work together to solve one problem; this is true for both real life problems and VEX competitions.



By giving students essential experience in jobs that will make up the future and providing an entertaining way to gain knowledge about multiple subjects, VEX conditions the youth in our world for the forthcoming advancement of technology, even though it is predicted that many jobs in the future haven't been created yet, VEX will help build a foundation for necessary skills in many fields. Next time you think about trying something new, think about the future of our economy and what your role in it will be, consider VEX Robotics. Because one night, you'll go to bed as someone who decided to dabble in robotics, and the next day you'll become an innovator in our society.

DIVAS ON FIRE

7481D



Red Alliance Mobile Goal



Ring



Vex Tipping Point '21-'22



Blue Alliance Mobile Goal

Scoring		
Ring on / in a Scored Mobile Goal	Mobile Goal High Branch	10 Points
	Any other Mobile Goal Branch	3 Points
	Mobile Goal Base	1 Point
Neutral Mobile Goal	Either Alliance's Home Zone	20 Points
	Elevated on a Balanced Platform	40 Points
Alliance Mobile Goal	Correct Alliance's Home Zone	20 Points
	Elevated on correct Alliance's Balanced Platform	40 Points
Robot	Elevated on correct Alliance's Balanced Platform	30 Points
Alliance	Wins Autonomous Bonus	20 Points



QUALITY



ITERATION



CREATIVITY

