

How Much Will It Cost?

So, you and your school have decided to start a robotics team. We recommend you commit to a robotics program for a minimum of 2 years. One because of the cost, but two because you the coach are new and in many cases are learning robotics with the students.

To start you will need a robot. The RCX Program uses robotics from LEGO Education. Currently, you have the choice to buy the LEGO Education SPIKE Prime. LEGO Education also offers many Teacher Resources to support teachers and coaches, from the beginners to more advanced engineering applications. LEGO Education offers many robotic related educational tools for you to use.

Below is a brief outline of costs you will need to consider to get started with the RCX Program.

1. Robot- LEGO Education SPIKE Prime Set (robot w/ software-one-time expense)	\$400
LEGO Education SPIKE Prime Expansion Set (recommended)	\$140
2. Robotics Table- The 4x8 competition Board. Made by you and one-time cost	\$100
3. RCX Competition Fees is an annual cost for 1 team to compete. Includes 1 Mat,	
1 set of LEGO pieces, and 1 team registration.	<u>\$285</u>
Total	\$925

-Schools can have additional teams participate. Each team needs their own robot. RCX Registration Fee for each additional team is \$40.

Prices at www.legoeducation.us are subject to change. There are too many options to list, so go to the website and review your options to make an informed decision. Therefore, to sponsor a new robotics team to compete in the RCX Challenge in year 1 would cost you approximately \$925. Annual costs for 1 team to compete in the RCX Tournaments is \$285, with additional teams only \$40 each. If you wish to add additional teams, I recommend you do this over several years. Buying additional robots in year 2, 3, etc.

If you have the robot and table, the annual cost to participate is only \$285 for one team.

The benefits to participating in the RCX Program include the opportunity for your school to sponsor multiple teams in a more economical way than other national programs. Plus we encourage teams of 2-4 students, this provides a hands on activity exposing kids to critical thinking and problem solving tasks through strengthening leadership skills and public speaking in a teamwork format involving computer programming, engineering, and other math concepts. Teams may have as many as 10 students, however smaller teams allow for a better educational opportunity for the kids.

Resources to consider: LEGO Education Website: www.legoeducation.us
RCX Information RCX Website: inforcx.rcx@gmail.com www.rcxrobot.org

