

# CAMDENTON 4H *FIRST* LASER “SHOOTS” FOR SUCCESS!

The *FIRST* Camdenton 4H LASER 3284 robotics team is comprised of 48 Camdenton High School students and 30 adult mentors. Over 6,000 hours have been logged during the last six weeks of build season afterschool and weekends by this dedicated team. The team should be commended for overcoming great obstacles in their most complicated design yet. This year’s robot utilizes vision tracking, gyro/accelerometer, photo sensors, and a wild swerve-drive system to play a 3-on-3 modified basketball challenge called “Rebound Rumble”. To better appreciate the work accomplished in the afterschool program in such a short timeframe, view a YouTube video at:

<http://www.youtube.com/watch?v=f6CWi8qo30&feature=youtu.be>



During the last six weeks (January 7 - February 21) the students designed, built, engineered, wired, marketed, business modeled, wrote, photographed, videoed, web designed, and programmed a 120 lb. robot under strict constraints from a 100- page rule book that shoots 8” foam basketballs in competition. The competition field measures 27’ x 54’ that includes balancing ramps and barriers as part of the game. A game animation explanation about this year’s challenge is available at:

<http://www.more.net/first-robotics>.

The *FIRST* ([www.usfirst.org](http://www.usfirst.org)) robotics program involves over a quarter million students from 61 countries in grades 3-12. The FRC division that *FIRST* LASER competes in includes over 2,500 teams from six countries. The first

competition took place in Kansas City (March 1-3) and the second will be in St. Louis (March 22-24), where the team will face 110 teams from 10 different states.

You can watch matches from KC Regional by visiting the MOREnet website at

[www.more.net/first-robotics](http://www.more.net/first-robotics).

You can also view matches from last year’s Logomotion competition where *FIRST* LASER competed in the Championship match.

Qualification match 75 is a good match to watch as a high score was set for the event with LASER’S alliance partners. More information about our team and *FIRST* robotics can be found at [www.team3284.org](http://www.team3284.org).



*FIRST* robotics is a program that is overseen by the Camdenton R-III Afterschool Services department. The Camdenton LASER program boasts 250+ students in grades 4-12 in five schools. The Afterschool program provides the perfect setting for students to explore opportunities that will inspire them.

LASER (Laker Afterschool Science Engineering & Robotics) is a relatively new program at Camdenton High School that encourages students to investigate STEM (Science, Technology, Engineering, and Mathematics) areas and apply classroom knowledge to real world applications. It is a sport where our student minds can be challenged and celebrated similar to our accomplished sports and fine arts programs.

“Gracious Professionalism” and “Coopertition” (cooperation and competition combined) are embodied in the *FIRST* robotics program. The *FIRST* FRC World Championships that were attended the last two years are referred to as the “Super Bowl of the Smarts”.



Please save the date of May 5 and support the team by participating in the Drive One 4UR School fundraiser sponsored by Ozark Ford and *FIRST* LASER team 3284!