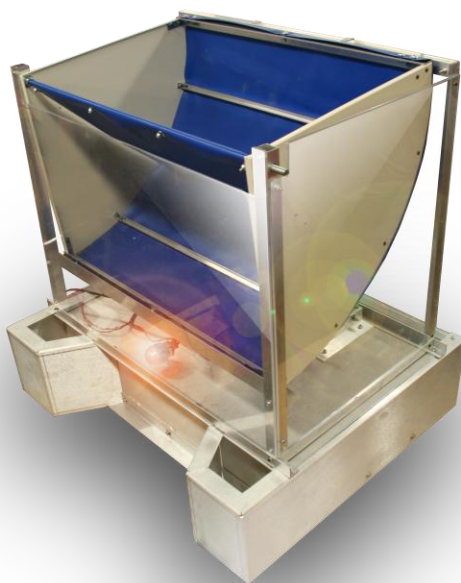


# FIRST Robotics Team 2996

## IMPACT

FIRST's goal is to "create a world in which science and technology are celebrated... where young people dream of becoming science and technology heroes". We have embodied this goal in our activities this year. The members of our team (by far the largest rookie team in the state) have had the chance to live like engineers for six weeks, and work with engineering mentors from a variety of fields.



Our robot for the 2009 game

FIRST is a national science and robotics competition designed to inspire a love for engineering in young people around the world. Over 196,000 students from 11 countries compete in the event each year, making it the largest science and robotics competition worldwide.

FIRST was founded in 1989 to inspire young peoples' interest and participation in science and technology. Based in Manchester, NH, FIRST designs accessible, innovative programs that motivate young people to pursue education and career opportunities in science, technology, engineering, and math, while building self-confidence, knowledge, and life skills.

Just over a year ago, Bryce McLean, a pre-engineering teacher at Coronado High School, began seriously considering creating a FIRST team at Coronado. After a summer of planning and preparation, the team began meetings in September on a weekly basis. During this time, the team's name, structure, and logo were decided upon. Members visited other teams' meetings and were able to look at their robots from previous years. One team from District 20 (Rocky Mountain Robotics, Team 662), was incredibly helpful in sharing advice about robotics and in helping Coronado prepare for the competition.

At the beginning of the build season, FIRST hosted a kick-off event that introduced the game for this year. After attending this on January 3, Coronado's team had six weeks to design and build our robot. During this build season, we worked for four hours every weekday after school, and for eight hours on weekends. We shipped the robot at the end of this six week period, and then waited another five weeks for the competition at Denver University.



coronado  
robotics



### OUR SCHOOL

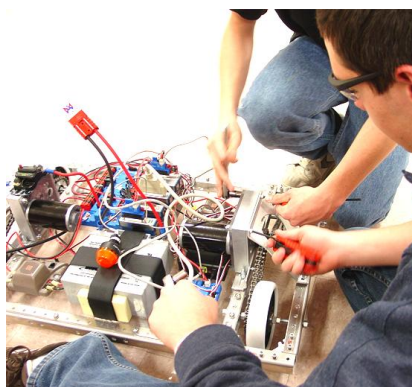
Our school has a completely different outlook on engineering because of the team. We've brought engineering professionals into our school to speak to students about their jobs and the opportunities available for engineers, and it's not just sports teams who are honored at pep rallies anymore, robotics is a major part of all school assemblies.

### MIDDLE SCHOOLS

Our team has talked to middle schools around the city about the importance of careers in engineering. We are mentoring a local FIRST Lego League team, and are starting two more in our school district.

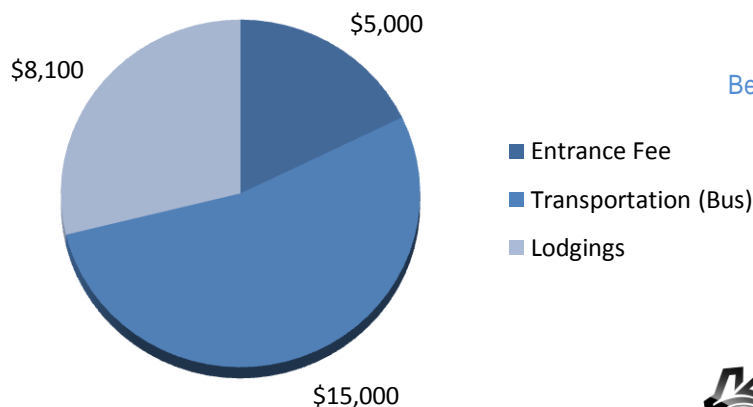
Visit our award winning website for more information about the team, the winning animation, and how we built our robot.

## The Rest of This Year



Coronado won the regional competition and brought home more awards than any other team at the event. We now have the incredible opportunity to attend the national competition with teams from 48 states and 11 countries. This is easily the largest science and robotics competition in the world, and we're beyond excited to be invited. At the championship event, our robot, website, and animation will compete against two hundred winning teams. Additionally, we will be able to interact with other regional winning teams who have more experience than we do. Nearly every regional team pulled us aside to tell us that this is a once in a lifetime experience, and that we must not miss it.

## Budget Requirements



We are seeking a total of approximately \$28,000 to go to nationals. FIRST is paying for our robot shipment, but we have to provide the remainder of the funds to finance the transportation, lodging, and registration costs.

### OUR AWARDS

- Regional Champion
- Rookie All-Star Award
- Best Autodesk® Animation Award
- Best Website Award



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