

# team COMBUSTION 1912

January 26, 2013  
Volume 1, Issue 4

Northshore High School  
Slidell, Louisiana

**FIRST**

## THE INFERNO

### Upcoming Events

- Kickoff

**When:** January 5th

**Where:** Stennis Space Center

- Jumpstart Build

**When:** January 12

**Where:** Northshore High School, 100 Panther Drive

- Krewe of Slidellians Parade

**When:** January 20

**Where:** Slidell, LA

- Open House

**When:** February 18

**Where:** QinetiQ building, 40201 Highway 190 E

- Bayou Regional

**When:** March 21-23

**Where:** Pontchartrain Center Kenner, LA

- Razorback Regional

**When:** April 4-6

**Where:** Barnhill Arena, Fayetteville, Arkansas

### New Game Revealed, 1912 Starts Build Season

Dean Kamen and the rest of the team at FIRST headquarters presented this year's robotics competition to approximately 51,000 high-schoolers on teams across the world, including Team 1912 Combustion, on Saturday, January 5. The game for the year has been dubbed Ultimate Ascent. The gameplay is very similar to Frisbee. There are three robots per alliance, and the object of the game is to make as many points as possible by throwing Frisbees into different goals, with scoring in the bottom goals worth one point each, the middle goals worth two, and the top goals worth three. As always,



Ultimate Ascent game logo

there is a fifteen second autonomous period at the beginning of the match, during which scoring in the goals is worth double. After that, the drivers take control of the robots in attempts to score as many points as possible, or block the opposing alliance from doing so. To add to the challenge of the game, there are two large pyramids on the field, one for each alliance. Robots may score extra points for hanging from the rungs on this pyramid at the end of the game, 10 points for the first level, 20 for

the second, and 30 for the third.

Our team immediately began to think of ideas for shooting Frisbees and climbing the pyramid. This year's game could prove the most challenging yet, but Team Combustion will continue to meet every Monday, Tuesday, Thursday, and Saturday at the Qinetiq building, refining our ideas and putting together our robot. Sponsors are always welcome to attend build sessions, and encouraged to visit our Open House on Monday, February 18, at 7 P.M. and our competition at the Bayou Regional at the Pontchartrain Center in Kenner, Louisiana, from March 21-23!

If anyone knows of a FIRST team that needs assistance, or any group trying to set up a FIRST team: Jr.FLL, FLL, FTC, and FRC, please contact us. We are glad to provide any help needed. Thank you!

## LOOKING FOR MECHANICAL ENGINEERS

Team Combustion is in need of mechanical engineering mentors. As a mentor, you can assist us in building and designing our robot. Our main season is a six week period between January and February. Contact us at our email and visit our website.

VISIT OUR WEBSITE:

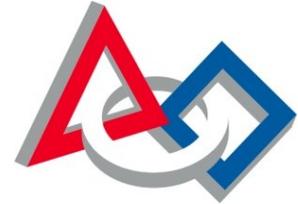
[WWW.TEAM1912.COM](http://WWW.TEAM1912.COM)

CONTACT US:

[COMBUSTION@TEAM1912.COM](mailto:COMBUSTION@TEAM1912.COM)

AND FOLLOW US ON

FACEBOOK AND TWITTER



FOR MORE INFO, GO  
TO:  
[WWW.USFIRST.ORG](http://WWW.USFIRST.ORG)

## Team Combustion Ignites the Build Season

Team Combustion closes the door on the offseason, spent by our team on community service and demos all over the region. We encourage students at every level of FIRST, by hosting a District Lego League Qualifier, and working at the State FIRST Lego League Competition in New Orleans, where team members volunteered as field workers, in addition to reviewing Jr. FIRST Lego League teams and determining which awards each team deserved. We also plan on a future demo at a major upcoming event at the National D-Day Museum in New Orleans. As one door closes, however, another one opens. The build season allows the entire team to come together in a concentrated effort towards first place. Team members will spend every Monday, Tuesday, and Thursday night working on a wide variety of jobs, then sacrifice even more of their time working all day on Saturdays. The AutoCAD team, now highly skilled and experienced, toils on the computer, creating new plans for what will eventually become our robot. The Chassis team will work on the wheels, motors, and framework of the robot, the Challenge team will design a Frisbee shooter and a mechanism to climb the pyramid. The Controls team, meanwhile, will put together electrical parts and program the robot. The Animation team shall work on the safety animation and other animation projects. Students from all parts of the team, particularly officers, also work on writing essays for awards, grants, newsletters, etc. During every part of the building process, each team member must exercise a certain degree of safety, depending on the task. Whenever a student uses a power tool, our team requires supervision from a mentor, because we like to keep SAFETY FIRST. We also practice gracious professionalism, keeping the values of FIRST close to our hearts as we try to expand science and technology in both ourselves and the community.

