

# EVER UPWARD

EXCELSIOR ROCKET CLUB'S MONTHLY NEWSLETTER

## Excelsior Rocket Club Competing in TARC

The Excelsior Rocket Club, consisting of six high school students, is officially competing in the 2012 Team America Rocketry Challenge, the world's largest rocketry competition. Their task is to design, build, and launch a rocket with a payload of two raw eggs to an altitude of 800 ft. and return the eggs safely to the ground within 42-47 seconds. A challenging task, but one the team is excited about.

### THE EXCELSIOR III ROCKET

The EA Rocket Team recently finalized their initial design for the Excelsior III rocket. After purchasing supplies from various vendors from across the country, the team begins construction this week. The first test launch has been tentatively scheduled for February 17th. For updates check the team website:

<https://sites.google.com/site/excelsiorrocketteam/home>



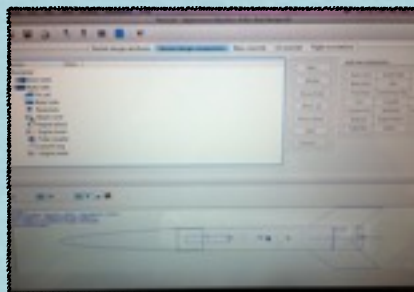
## Meet the Team

The Excelsior Rocket team consists of three original members- Anders, Chris, and Tyler- who got the team off-and-running back in September. Through their hard-work, the team was able to raise the funds to enter TARC, and they laid the foundation for the hard work: designing and building a rocket to compete in the

2012 TARC competition. The team now consists of 6 members: Tyler- Project Manager; Chris- Launch Systems & Recovery; Anders- Fundraising & Propulsion/Ignition; Mark- Payload & Asst. Project Manager; River- Airframes; and Cristian- Budget Director and Payload



**The EA Rocket Team would like to thank the following for their generous contributions:** the Anderson Family, the Anaya family, the Lloyd family, the Wood family, the Hill family, the Meeks family, the Barnes family, and the Blades family. And for all of those who order lunch on Mondays!! Keep the orders coming!



ROCKSIM: Utilizing advanced rocket design software, RockSim, the EA Rocket Team has finalized their design for the Excelsior III Rocket. The first test launch is coming soon!



THE ORIGINAL 3: The original three team members with the Excelsior I and II rockets. The Excelsior I was lost during a test launch, and the Excelsior II was scrapped for parts to be used on the Excelsior III.