

# KeeDesign

Update 1  
11/22/10

## The Team

**Project Manager:** Caleb Smith

Previous Courses: Intro to Engineering & Design  
Principles of Engineering  
Digital Electronics  
Metals Technology

**Electrical Engineer Student:** Jacob Tiffany

Previous Courses: Intro to Engineering & Design  
Principles of Engineering  
Digital Electronics

**Mechanical Engineer Student:** Nick Sarac

Previous Courses: Digital Electronics  
Metals Technology  
Tech co-op  
Ag Equipment Design  
Small Engines  
Prep Trades

**Fabrication Manager:** Jay Meier

Previous Courses: Intro to Engineering & Design  
Digital Electronics  
Metals Technology  
Small Engines



From left to right: Caleb Smith, Nick Sarac, Jay Meier, Jacob Tiffany

## Innovating the Competition:

We are doing this competition as part of our senior design class, Engineering Design & Development (EDD). Last year's EDD team also participated in this competition and we did not want to just copy exactly what they did. So we had the idea of taking this High School Formula challenge, but instead of making a Formula car that runs on gasoline we decided that we are going to make a car that is 100% electric. Doing something that was "green" was something that we felt would be a good idea considering how much need there is for green ideas in the world today.

## Our Progress:

So far we have built a lot of the basic frame of the car that was sent to all of the teams. We, also, have been working on figuring out our main obstacle and the many variables that come with it; the fact that our car is electric! There has been a number of people that we have contacted, as well, that have more knowledge on electric vehicles; all of which who have been of much help. Finding Sponsors for our team is another thing that we have been working hard on, but our still in the preliminary stages of actually obtaining sponsors.



Our chassis so far, put together by Nick and Jay



Nick Cutting Metal

Nick notching the tube

## Future Expectations

Shortly we expect to get all of our sponsorship information out and hopefully start obtaining sponsors. We also will start to work on designing the other parts of our car in inventor so that we can start to build the rest of our car. Getting the fiberglass body for our car is also something that we look forward to and hope to get accomplished soon. Our biggest challenge that we will be addressing is the electrical components of our car, and we hope to get that all sorted out soon. When we have figured out all of our designs for our car we will be able to order the other parts and assemble our electric High School Formula car.

