



Team TRS Racing News

2008

Key development

aims:

- Design Greenpower chassis
- Build Greenpower car
- Strengthen suspension and wheel design in Formula Schools IC car.
- Train new drivers

Team TRS Racing are:

Kieran Blount, Daniel Holden, Mark Bishop, Anthony Percival, Matthew Engley, Ross Barrow, Ryan Moss, Plus 4 to be announced—Initial driver tests are on the 25th of January

Greenpower car comes together in style

The designs for our Greenpower car are being turned into reality as we speak. The design has evolved from our initial drawings into an amazingly advanced vehicle, the like of which has never been seen in a schools based competition. Last October the team went back to Lola international for a meeting with one of their design geniuses, Russell Annison. The meeting was incredibly productive and resulted in a complete redesign of the vehicle. The final design sees extensive use of composite materials in order to reduce weight at the same time as increasing strength and driver protection. The finished 'tub' looks more fighter plane

than car! The carbon fibre tub has been strengthened using aluminium honeycomb board (more on that later) glued in with structural adhesive. The front and rear axles are mounted to strong points in the tub and can be removed in seconds should we need to.

"The new car is amazing, I can't wait to drive it"

Kieran Blount

"This year will be even better than last year"

Ryan Moss



Success at racing leads to a successful grant application

Following on from last years successful grant application, we tried again this year. Thanks to our success last year in Formula Schools, we have been awarded £150 to put towards our

Greenpower funds for an event to take place during the national Science and Engineering week. These funds will be used to purchase safety equipment for the team. We will need to get at least 6 sets of

overalls, gloves and helmets for the 6 drivers the rules say we have to use. If anyone knows where we could source these at a sensible price we would be very grateful for the contact.

NATIONAL
SCIENCE &
ENGINEERING
WEEK

The team get their hands dirty at last—Wet lay-up carbon fibre

Way back in the distant past, well 2007, we finally got everything we

needed to make our carbon fibre and got started. We were very lucky to be assisted by Harry Curtis and his colleague from John Burn & Co Ltd. Their expert help was invaluable

and the pupils produced their first carbon fibre bodyshell in no time. The wet lay-up process is simple in



principle but like many jobs the tricks of the trade are what make the

difference to the finished item. The team would like to thank Harry for all his help with making the tub and bodywork. The skills the pupils learnt have subsequently

been passed onto other pupils and we now have a whole team who can make wet lay up carbon fibre and fibreglass in their sleep.



Welcome to our newest sponsor—Cellbond

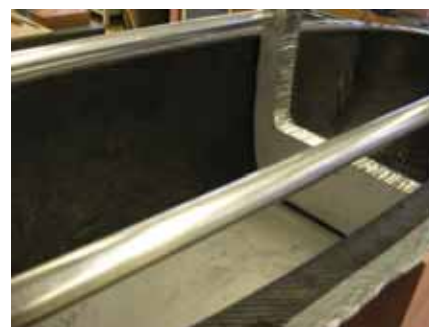
.We have managed to secure sponsorship from Cellbond to supply the aluminium honeycomb board we need. Cell bond produce aluminium honeycomb board of the highest quality for use in very demanding applications. The strength to weight ratio is incredibly high. The use of this material has enabled us to make an incredibly stiff monocoque whilst keeping weight to a minimum. Had

we used a tubular steel frame we would have ended up with a very heavy car with low crash protection. The use of the aluminium honeycomb continues our commitment to use the latest composite technology in the production of the car. It also helps pupils to extend their knowledge of design and production techniques

"It looks like the cockpit of an F16"

Mark Bishop

beyond conventional methods which is vital to equip them for todays high tech job market . Thanks again to all at Cellbond for their help.



Sponsor desperately needed

The team is in desperate need of a sponsor for our 2008 Formula Schools campaign. We have been concentrating on fundraising for our new Greenpower project and have yet to secure a sponsor for FS2008. The competition costs £375 every year to enter and that's before we get the spares we need to run



for 2008 Formula Schools

the car. We are running out of time to find a sponsor and it would be a shame if, after coming second in 2007, we went bust in 2008! If anyone knows of a possible sponsor for all or part of the funds we would love to hear from them on the usual number: 01827 475698