

FastTrack RC 2008-9 Finals

May 2, 2009 at Lowe's Motor Speedway (Concord, NC)

The FastTrack RC is a National STEM Challenge League from Ten80 Education. Student teams in grades 7 - 12 have been accumulating points since September, 2008. Points leaders from around the United States will come together to compete on Saturday May 2nd, 2009 at Lowe's Motor Speedway in Charlotte, NC.

FTRC STEM League

FastTrack RC student teams have earned points for managing and marketing themselves, but just like professional racing teams, their ultimate challenge has been to go further, faster.

Teams maximize performance through race engineering, learning to approach their 1:10 scale RC car's physical limits without exceeding them. Example activities include:

SCIENCE. *Traction:* Use Newton's Laws of Motion and a skid pad test to calculate the friction coefficient. Use that value to find the top speed around a curve.

TECHNOLOGY. *Design on the FastTrack:* Students use a leading 3-D CAD program, SolidWorks, to design a more aerodynamic car body or parts.

ENGINEERING: When students apply math, science and technology to solve any FastTrack RC problem, they are engineering a solution.

MATH. *Track Layout & Math Modeling:* Learning to make the tracks is an applied geometry lesson. To optimize any variable, teams build and use math models.

2007-08 FastTrack RC National Champion is Dooly County High School from Vienna, GA.

Image: Stevie's all-girl team from Dooly County High School



Public Orientation

In support of a new partnership between Ten80 Education, 4H and the SME Education Foundation, a FastTrack RC STEM orientation will be held along side the student event. Sign up at www.ten80education.com/FTRCFinals2009.html or by contacting Ten80 directly.

FastTrack RC Finals

- Venue: Lowe's Motor Speedway in Concord, NC
- Date: May 2, 2009
- Time: 10 am - 4 pm, agenda at www.ten80education.com/FTRCFinals2009.html
- Contact: Ten80 email at FastTrack@ten80education.com



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