

Virtual Field Trip

Forces & Motion ** Careers & Technology

Take a Virtual Field Trip (VFT) to Charlotte Motor Speedway and Hendrick Motorsports. Ten80 Education and partners have produced a virtual field trip so all FastTrack RC students can experience the *Students at the Speedway* events and behind-the-scenes tour of the leading NASCAR race shop.

The VFT includes 10 videos and corresponding standards-based lessons on Forces & Motion and STEM associated with various motorsports industry careers.

Videos are hosted by a Ten80 female engineer and Alli Owens, female ARCA driver. Alli's sponsor, Electrifying Careers, focuses on educating students on STEM through motorsports (sound familiar?). Learn more at <http://www.electrifyingcareers.com/owens>.

All FastTrack RC teams are granted access to the Virtual Field Trip 2009 (VFT09) course at the Ten80 web portal at <http://mindbugs.mrooms.net>.



#	Video Title	Topic
1	Your Understanding is Only as Good as Your Measure	Intro to Students at the Speedway (SATS)
2	How Fast is Fast?	Speed & Acceleration (Relationship between distance and time)
3	A Body in Motion	Newton's 1st Law
4	The Other Two Laws of Motion	Newton's 2nd and 3rd Laws
5	There's No Free Lunch	Work & Machines
6	Pit Crews & Safety	Team Work & Heat Work
7	Bang for Your Buck	Marketing & Public Relations
8	From Scratch	Manufacturing & Assembly
9	Concept to QC	Concept to QC
10	Chassis Geometry & Race Day Readiness	Optimizing Race Performance