Att: TAS Coordinator

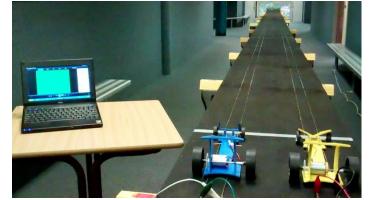
Free Professional Development Workshop

To be held at:

Warrawong High School Cowper St, Warrawong 2502 Tuesday, 1st May 2012 at 5-8pm

During this PD Session, each participant will learn how to make and use *Downforce Racer* in the classroom. The *Downforce Racer* is a totally unique project that puts the student directly in the driver's seat. The race is a battle of speed, driver reflexes, design and engineering. The *Downforce Racer* uses an innovative race track system, an electric motor and the option of 6 gears ratios to propel it down the track.

Either way this project is great fun, easy to build and has a huge scope for extension. This is a fantastic project for either Stage 5 Design and Technology or Stage 5 Engineering – Mechanical Systems or Control Systems.



During this PD Teachers will have the option of purchasing the 'Downforce Racer Starters Pack' which includes:

- 1. Teacher's Guide step by step instructions and notes
- 2. Student hand-out engineering enriched notes and activities.
- 3. Detailed video instructions for 2 CAD types (2D Design or SketchUp)
- 4. Detailed video instructions for the machining of components (using a Roland MDX 40 or handmade)
- 5. Detailed video instructions for the track construction.
- 6. A complete Track Starters Pack including Downforce Racer controllers.

For more details on this project go to www.technicallyspeaking.com.au

To register email: marty.harris@technicallyspeaking.com.au

