

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