

Scorpio

Technology

NEWSLETTER

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TEACHER CONFERENCES & WORKSHOPS

Scorpio is attending or supports these Design & Technology teacher activities:

DATTA AUST - 14-20 October 2019: Design & Technologies Week 2019

ITE (was IATE) - 27–29 November 2019

DATTA VIC - 6th December 2019: Annual Teachers' *Makerspace* Conference



SECONDARY PHYSICS

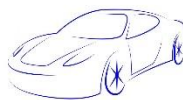


Our Physics range is expanding and we want you to share in our excitement!

INTRODUCTORY OFFER

- ☆ During **SEPTEMBER** you can pre-order from our [2020 Physics Pre-Order and Special Product Order online catalogue](#). Some of these items are **ONLY** available for order at this time (expected delivery late January 2020). Not all of these items will be available from us in the near future.
- ☆ Discount prices will apply to some products during this period.
- ☆ T&C – Orders must be received by our sales office no later than **30 September 2019**.

WELCOME



Victorian Special Edition

There is so many exciting things educational activities happening at the moment in Victoria and we don't want you to miss hearing about them!

SECONDARY – BMW COMPETITION

<https://www.bmw.com.au/yourmelbourne>

Scorpio received information regarding this competition. As it fits in with the curriculum, Sustainability, Creativity, Design and we decided to share it with all Victorian teachers. By submitting your ideas to BMW, students will be considered for one of four \$5,000 educational grants.

YOURMELBOURNE



Do you want to shape the future of mobility in Melbourne? If you're in high school BMW would love to hear from you.

yourMelbourne is inspiring young Australians to continue shaping the future of our community. For the first time in Australia, they want to hear how you would improve Melbourne's transport in 2040.

THE CHALLENGE

How will you travel around Melbourne in 2040? Does it look different to mobility of today?

Identify the issue. What is the transport problem you see, in one of the following areas:

- **City design** (current or new suburbs)
- **Transport infrastructure** (any type, not just cars!)
- **Sustainable mobility** (supporting the environment)
- **Transport technology** (improvements to current transport, or a completely new mode of transportation)

Make the change. How would you fix a problem?

You must submit your idea in one of the following three ways:

- A written submission of 800-2,000 words, with or without illustrations
- Sketches or illustrations, between 3-8 sketches
- A video or other multimedia submission between 1-3 minutes

Submissions close on Monday 30 September, 2019.



**Victorian
Model Solar
Vehicle
Challenge**

<https://sites.google.com/view/modelsolar/>

The **2019 Victorian Model Solar Vehicle State Challenge** will be held on 19 and 20 October at Scienceworks Museum in Spotswood.

Saturday 19th - Designed Car, Boats (Metro)
Sunday 20th - Designed Car, Boats (Regional),
Sheridan Kit Car

A few people have asked about the regulations in the boat event regarding the mannequin.

Two things:

1. it will need to be wood
2. it needs to be in a position congruent with steering a boat. Think about how you would want to be seated if you were steering it. This will be judged somewhat subjectively.

You can stay informed via the following social media:

<https://www.facebook.com/groups/ModelSolarVehicleChallengeVictoria/>

<https://twitter.com/MSVChallenge>

<https://www.facebook.com/ModelSolarVehicleChallenge/>

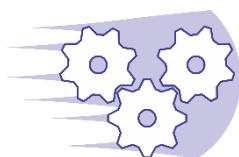
Clint Steele
Chair

Scorpio Technology can help you with ALL your Model Solar Vehicle Challenge requirements. Suit levels Primary and Secondary.

There are 3 options for you to choose from:

1. **Student designed cars**: the most involved project due to the larger number of components. It is ideal if you want to give a more comprehensive challenge (more time for testing and refining) that also offers opportunities for creativity.
2. **Boats**: this offers an equal opportunity for creativity and involves hydrodynamics as well as the other aspects of vehicle design. However, there are fewer moving parts so the resources and time demands are fewer. Also ideal for students who live near large bodies of water and boating is a part of their lives.
3. **Sheridan kit cars**: an introductory program suited to situations where you are more interested in getting something built and learning about the science than developing the engineering and creativity skills. Ideal for cases where students prefer cars, but you don't have a lot of time.

This **Challenge** is suitable for first timers to students with more experience. Challenge them – the students develop real skill in Aerodynamics, construction and Mechanical Engineering. Team work, planning and so much more.



SCORPIO TECHNOLOGY Vic Pty Ltd
1/31 Dalgety St. Oakleigh Vic 3166
www.scorpiotechnology.com.au

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