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## Welcome from the President

Hi and welcome to 2015.

It will be an interesting year in terms of curriculum development, with quite a few things still 'up in the air'.

Late last year, we were anxious about the outcome of the Ministers for Education meeting discussing the outcomes of the Australian Curriculum Review. They have asked ACARA to recommended progress on key issues that were identified by the review. De-cluttering the curriculum is an issue that may have an impact on the implementation of the Technologies learning area – our curriculum may be reduced, particularly at primary levels, to focus more on 'core' curriculum areas.

However, the VCAA plans to publish an updated (2<sup>nd</sup> iteration) AusVELS Technologies curriculum early this year. In the meantime, if you are reviewing and updating your Design and Technologies curriculum in your school, make sure you refer to the [Australian Curriculum website](#) for current curriculum directions. The link to the Design and Technologies curriculum is on the left of the webpage, and a short 6 min. presentation on Design Technologies can be downloaded on the right (this is a really good overview of the curriculum area).

Laura Murphy, our new Education Executive Officer, has been working hard during the holiday period to organise exciting professional learning activities for this year. We have a great program of familiar and new events in place. You'll find details later in this newsletter, but we are adding new workshops all the time, so make sure you check out the DATTA Vic website for activities that will keep your professional knowledge fresh and current. You can also put the conference dates in your diary (May 22<sup>nd</sup> and 23<sup>rd</sup>) – it's always a great learning and networking opportunity. Contact Laura at [pl@datta.vic.edu.au](mailto:pl@datta.vic.edu.au).

Davone Pope, our Office Administrator, would love to hear from you regarding any membership or registration enquiries = [admin@datta.vic.edu.au](mailto:admin@datta.vic.edu.au).

Have a great term,

Jill

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## News from the VCAA



### **School-assessed tasks**

All VCE studies with a School-assessed task (SAT) including VCE Product Design and Technology have a 10-point assessment scale – the criteria and descriptors are refreshed each year and published in the Administrative information for school-based assessment for each study.

The updated information assessment advice for VCE Product Design and Technology has been published on its study page. The VCAA are running professional learning sessions for teachers early in 2015. The all-day, face-to-face session is being held at Coburg on Tuesday 17 February; the Polycom session is being held after-school on Thursday 19 February. Further information will be sent to schools in the February Bulletin and a Notice to Schools. Email Julia Quagliani [quagliani.julia.j@edumail.vic.gov.au](mailto:quagliani.julia.j@edumail.vic.gov.au) if you have any specific queries.

### **AusVELS update: Review of the Australian Curriculum**

The Australian Government released both the Review of the Australian Curriculum Final Report and the Review of the Australian Curriculum – Initial Australian Government Response in late 2014. The Commonwealth Minister for Education indicated the Response to the Review would be the basis and framework for discussion with all State and Territory Ministers for Education at the Ministerial Council in December 2014. These documents and associated supplementary reports are available [here](#).

The Victorian Curriculum and Assessment Authority (VCAA) is reviewing both the Report and the Response for the Victorian Minister for Education. As a result of this process, the planned release of the second iteration of AusVELS will be delayed until 2015. Schools should note that the advice provided in the F-10 Curriculum Planning and Reporting Guidelines will continue to apply in 2015. The Guidelines are available [here](#).

Consistent with previous advice, in 2015 schools will have the option to continue to use AusVELS for whole school curriculum planning and implementation or to update their curriculum provision as revised versions of curriculum domains are finalised and approved for release by the Victorian Minister for Education during 2015. Resources to support whole school curriculum planning can be found [here](#). The first year of required full implementation of the fully revised curriculum will continue to be 2017. Within this framework, timelines for curriculum implementation should be developed and determined through each school's curriculum planning processes.

.Leanne Compton, Curriculum Manager, Design and Technology

# Professional Learning - Term 1



Term 1 is going to be a jam packed term of Professional Learning opportunities for you and your students to engage with.

## **VCE PD&T SAT Folio Workshop for Regional Students by Polycom (PL 15001)**

**Not to be missed!** This workshop will provide students with a good understanding of all the folio requirements for the School-Assessed Task. They will be stepped through all of the components of their folios, particularly focusing on strengthening their design briefs, evaluation criteria and approaches to research and design. Lots of interactive and hands-on activities will help students to apply to what they learn.

**Date:** Friday 14<sup>th</sup> Feb 2015

**Time:** 1.30pm - 4.00pm

**Where:** Via Polycom (instructions provided on booking)

**Cost:** \$25.00 including GST per student

**To book:** click [HERE](#)

## **VCE PD&T Units 1 & 3 (PL 15002 & 15011)**

This professional learning activity is ideal for teachers who are new and returning to VCE Product Design & Technology teaching. The workshop will cover:

- Ideas, strategies and essential knowledge for Units 1 & 3
- Sustainability, and how to address it at both Units 1 & 3

**Dates:** Monday 16<sup>th</sup> February **OR** Monday March 16<sup>th</sup>

**Time:** 10.00am – 3.00pm

**Where:** Statewide Resource Centre, 150 Palmerston Street, Carlton, VIC, 3053

**Cost:** \$180.00 inc. GST for members

\$279.00 inc. GST for non-members (which includes DATTA Vic membership)

Lunch will be provided free-of-charge

**To book** click [HERE](#)

### **VCE PD&T SAT Folio Workshop for Melbourne Metro Students (PL15003)**

This workshop will provide students in Melbourne metro with a good understanding of all the folio requirements for the School-Assessed Task. Covering all of the components of their folios, it will focus particularly on strengthening their design briefs, evaluation criteria and approaches to research and design. Plenty of hands-on activities will keep your students engaged and help them to apply their new learning.

**Date:** Monday 23rd Feb 2015

**Time:** 1.30pm - 4.00pm

**Where:** Statewide Resource Centre, 150 Palmerston Street, Carlton, VIC, 3053

**Cost:** \$25.00 including GST per student

**To book:** click [HERE](#)

### **Picaxe 14M2, Infrared Remote Controlled Workshop (PL15005)**

Join Pat McMahon in this hands-on workshop, where participants will learn how to construct, test, program and take away a Picaxe 14M2 Infrared Remote Controlled Model of their own choice. The day will be broken up into simple stages to cater for all ability levels, with test jigs available to check the operation & to diagnose any faults.

**Date:** Saturday 28<sup>th</sup> February 2015

**Time:** 9.00am – 3.00pm

**Where:** Diamond Valley College, 165 – 179 Main Hurstbridge Road, Diamond Creek, 3089

**Cost:** \$180.00 (inc GST) for Members - Prices include refreshments, lunch and all materials used on the day / \$279.00 (inc GST) for Non-members - Prices include DATTA Vic membership, and refreshments, lunch and all materials used on the day

**To book:** click [HERE](#)

### **VCE PD&T Assessment Criteria & SAT Briefing (PL15006)**

All VCE studies with a School-assessed task (SAT) including VCE Product Design and Technology have a 10-point assessment scale – the criteria and descriptors are refreshed each year and published in the Administrative information for school-based assessment for each study. Join DATTA Vic for this briefing that takes a step-by-step look at the changes to the criteria for 2015.

**Date:** Monday 2<sup>nd</sup> March 2015

**Time:** 1.00pm – 4.00pm

**Where:** Statewide Resource Centre, 150 Palmerston Street, Carlton, VIC, 3053

**Cost:** \$100.00 inc. GST for members/ \$130.00 inc. GST for non-members

**To book:** click [HERE](#)

### **VCE Systems Engineering Units 1 & 3 (PL15008)**

This workshop, which covers all you need to know about VCE Systems Engineering Units 1 & 3, is ideal for teachers who are new, those returning to the profession and anyone who wants the latest information

on assessment criteria. The session will provide participants with ideas, strategies and essential knowledge for Units 1 & 3

**Date:** TBC (March 5<sup>th</sup>?)

**Time:** 10am – 3pm

**Where:** Statewide Resource Centre, 150 Palmerston Street, Carlton, VIC, 3053

**Cost:** \$180.00 inc. GST for members (Lunch included)/ \$279.00 inc. GST for non-members (which includes DATTA Vic membership – lunch included)

**To book:** click [HERE](#)

**But wait, there's more! Keep checking our website for details of these forthcoming term 1 workshops:**

- **3D Printing with Sketch Up (PL15012)**
  - **Digital Learning Tools for All (PL15004)**
  - **Top Designs – Product Design & Technology (PL15035)**
  - **Top Designs – Systems Engineering (PI15036)**
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## DATTA Vic Annual Conference - Call for Presenters



The DATTA Vic 2015 Annual Conference will take place at Harvester Technical College on Friday 22<sup>nd</sup> & Saturday 23<sup>rd</sup> May 2015. The theme this year is *Design for People*, which will explore how advances in design and technology can benefit humanity. Just some of the presenters we have arranged are Robogalls, NGV and Latrobe University.

Can you be a part of *Design for People*? We're looking for workshop presenters who can give examples of best practice in new technologies and can share their unique approaches to teaching and learning. You'll receive complimentary admission to the conference on the day you present and a gift – and the deepest gratitude of DATTA Vic and the rest of your fellow members! We're looking for presenters in one or more of the following areas:

Auto; Electronics; Jewellery; Systems Engineering; Metal; Plastics; Textiles; Wood.

Successful workshops are hands on, practical and draw upon your deep knowledge and experience in Design and Technology or System Engineering.

We are looking for presenters for ideas, projects and skills to share with like-minded people for the duration of:

- 1 hour presentation
- 2 hour practical workshop(s)
- 2 hour presentation (including activities for participants)

Submit your 100 word abstract online [here](#) and specify the mode of delivery, intended audience and what year levels your workshop will address.

We are also offering organisations the opportunity to be a **sponsor** or **trade exhibitor** at the conference. This will ensure widespread exposure to a state-wide audience of teachers from all sectors, as well as a legitimate tax deduction in the form of advertising and promotion of your organisation's activities.

Contact Laura at [pl@datta.vic.edu.au](mailto:pl@datta.vic.edu.au) for more information.

## So You Think You Can Design 2015



Our fantastic state-wide design competition for schools is back for 2015, and it's bigger and better than ever!

In the SYTYCD Week of Design, Participants will take part in a range of fun, interactive challenges which relate to key stages in the design process. Each school will select 2 winners at the end of that week to submit to the judging panel. From this qualifying round, five schools will be selected to compete at the SYTYCD Finals, to be held at the DATTA Vic conference in May.

### So why take part?

- The winning team members will each receive an iPad mini
- The winning school will receive a SYTYCD Trophy
- Accompanying teachers (1 per school) will receive free admission to the DATTA Vic conference
- All runners up will receive a prize in recognition of their efforts

Plus this challenge is a fantastic way to communicate the importance of the learning area to your school community, and to engage students beyond regular classroom activities. It will also give teachers new ideas and approached to teaching and learning.

Registrations are open now – visit our [SYTYCD website page](#) for more information.

You can check out videos from last year's challenge, along with more resources [here](#).



**27 February – 3 May 2015**

## **Twelve outstanding Australian designers with ideas that could change the way we inhabit the world!**

DATTA Vic is delighted to be working with the **Mornington Peninsula Regional Gallery** when it plays host to *CUSP: Designing into the next decade* - a touring exhibition from the Australian Design Centre. This exhibition looks at how design has always affected the way we live. From furniture, to gadgets, clothing and housing, design's ability to improve the way we look, move, work and feel has long been evident. But in recent times, design has increasingly been recognised as a virtuosity that has more to offer the world than simply utility and beauty. When staring down the barrel of unprecedented planetary challenges, design's true potential is revealed: it can show us a better future.

MRPG has planned an exciting education program based on *CUSP*. On the 4<sup>th</sup> of March, they will be hosting a special educators' preview, giving insights and practical examples of the use of design thinking and making in the classroom to promote student engagement and creativity. As part of this, DATTA Vic will run our very own Mini Design Challenge – come along and take part! For more information, click [HERE](#). MPRG are also running several workshops aimed at primary and secondary students, and also at teachers. Click on the links below for more information.

[DESIGN EMERGENCY](#) is an exclusive opportunity for Year 2-6 students to work with *CUSP* Designers to develop tools to help them improve the lives of their family, school and wider community

[LOOK THINK CREATE @ MPRG](#) allows students from Prep- Year 12 to take part in a fun creative team design challenge that encourages them to think deeply, ask questions, devise creative solutions, make prototypes, trial, test and present their very own product!

[MEET THE DESIGNER – PD&T VCE STUDENT FORUM](#) takes place on the 27<sup>th</sup> of April, and will allow your students to gain first-hand insights into the creative thinking strategies involved in the design and realisation of innovative designed products in the context of professional practice.

[BESPOKE GALLERY SESSIONS](#) – These workshops allow Year 10 – 12 students to explore the design process including client briefs and use of materials as they consider the relationship between function, aesthetics, innovation and technology. Students gain insight into the designers' sources of inspiration, choice of materials and processes and the way ideas can be generated, explored and creatively communicated for design and product development.

Contact Jill Anderson at MPRG for more information on *CUSP: Designing into the Next Decade*

## Top Designs 2015



It's almost Top Designs time again! This annual exhibition from the VCAA, which showcases Victoria's exceptional emerging designers, will run at Melbourne Museum from the 21 March to 12 July. Featuring over 30 inspiring works by Victorian VCE students of Product Design & Technology and Systems Engineering, it will also be supported by an exciting [education program](#) of student forums and talks.

DATTA Vic is excited to announce that this year, we'll be partnering up with the VCAA and Melbourne Museum to run Top Designs Professional Learning workshops for VCE teachers of PD&T and Systems Engineering.

These sessions will feature presentations by the selection panels and teachers whose students have had work accepted to the exhibition. There will be a selection of short-listed student folios available for participants to explore, and the workshop will be followed by a visit to the Top Designs exhibition.

We'll also be at the exhibition launch event, running our *So You Think You Can Design* Mini Challenge, so make sure you drop by to take part if you are one of the lucky ones attending!

Times and dates for the PL workshops will be announced soon, so keep a close eye on our [Professional Learning](#) page on the website for booking details. In the meantime, contact Laura at [pl@datta.vic.edu.au](mailto:pl@datta.vic.edu.au) if you have any questions.

## DATTA Vic goes to Bendigo!



Calling All Bendigo Teachers....

DATTA Vic and the [Discovery Science and Technology Centre](#) will be teaming up in term 2 to offer an exciting professional learning opportunity for teachers of Design & Technology in the Bendigo area.

Participants will have the unique opportunity to work with DCTC educators on an interactive Design Thinking workshop, along with the chance to explore the centre's 100+ science and technology exhibits. You'll spend time with regional colleagues exploring best practice in technology teaching, get to know the centre staff and discover more about their extensive education programs for students.

We'll be announcing details about this workshop on our website soon, but in the meantime, if you have any questions, contact Laura at [pl@datta.vic.edu.au](mailto:pl@datta.vic.edu.au)



### **Call for Participants Design, Make, Think – Primary Design and Technologies**

Over the next 3 years, DATTA Vic will be teaming up with a range of partners, including Deakin University, NGV and Engineers Without Borders to deliver a range of resources and professional learning workshops to support primary teachers with the implementation of the new Design and Technologies curriculum.

We're looking for anyone interested to come along to a brainstorming session to help guide this project forward. You don't need to be a Primary teacher – one of the aims is to support transition into secondary in PD&T and Systems Engineering. You just need to be interested in the future of learning area.

The workshop will take place at NGV on a Saturday the 21st of March from 10am till 4pm. It will include lunch and a tour of *Express Yourself – Romance Was Born for Kids*. As a teacher you will receive a certificate of PL participation for your contribution.

For more information, please email Laura at [pl@datta.vic.edu.au](mailto:pl@datta.vic.edu.au) or call on 03 9349 5809.

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### **DATTA Vic & the NGV**

DATTA Vic and NGV have a long history of working together to deliver exciting professional learning opportunities for teachers, and this year is no different!

NGV will be offering workshops at our annual conference in May, and will be helping us to develop resources and workshops on teaching design and technology in primary schools. (See our call out for participants for Design, Make, Think to get involved!)

They have a fantastic program of exhibitions and events coming up in 2015 for anyone interested in design and technology. Click on the links for more information.

[Shifting gear: Design, innovation and the Australian car](#), will run from 6 Mar - 12 Jul 2015, and will survey our rich automotive history with a focus on Australian design and innovation.

The exhibition will examine the design process and will feature some of the designers who have styled our iconic vehicles. Just some of the models on show will be the 1969 Holden Hurricane (pictured) and the 1970 Holden Torano GTR-X Concept.

It will be accompanied by an exciting education program, which includes everything from making and doing sessions for Years K – 3, RMIT workshops on vehicle design and Teacher PL on Car Design – Yesterday, Today & Tomorrow

## The Gilking Cup



Did you know that Gilking School Supplies runs an annual schools' competition for Design and Technology? The Gilking Cup is awarded to a school for any design project that has been completed by an individual or group of students in the school year. Winners will be judged on their creativity, innovation, quality and desire for excellence, and will receive the *Gilking Cup* and \$400.00 of supplies for their school.

Applications remain open until November, with the winner announced early in December. For more information, contact [Sales@gilking.com.au](mailto:Sales@gilking.com.au) / 1300 757 112

## Exquisite Threads at NGV



### [Exquisite Threads: English](#)

[Embroidery 1600s - 1900s](#) opens on the 2<sup>nd</sup> April at NGV International. It will feature nearly sixty works displayed through the themes of education, fashion and the home - each representing important aspects of embroidery's role within English life, including a Norman Hartnell-designed piece made for Queen Elizabeth II wear on her coronation tour of the Commonwealth, and Arts and Crafts embroideries from William Morris and Co.

An associated education program will run for Years 5-12, including student tours and The Big Stitch, exploring design elements and principals through simple embroidery techniques.

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## Akorn Educational Services



Later in 2015, DATTA Vic has a partnership planned with Akorn Educational Services and Engineers Without Borders. We're currently developing a PL workshop in humanitarian design and engineering – keep a close eye on our website for more details!

Akorn Educational Services uses STEM based programs and community partnerships to make learning fun, exciting, challenging and rewarding. These programs provide students with valuable knowledge and skills that help them function effectively in a scientifically and technologically advanced society. They teach students how to identify and investigate issues, draw evidence-based conclusions and make informed decisions. There are several different models for these programs, from a 1/2 day training session to a year-long collaborative project with teams working with a community partner to develop resource materials.

*"I always thought engineering was just designing cars and things like that. Today opened my mind to the world and what I will do in my future. Not only did I learn more about engineering ... but I got to meet many new people and come up with ideas to solve real life problems." Penelope, Sacred Heart College Geelong.*

Contact Georgene Bridgeman 0412 339 553  
or [georgene.b@AKORN.com.au](mailto:georgene.b@AKORN.com.au)

## Systems Engineering at La Trobe



Did you know that [Latrobe University](#) now awards 4 aggregate bonus points for VCE Systems Engineering into their undergraduate engineering degrees? This is the most given by any university in Victoria. Dr Eddie Custovic from Latrobe is currently coordinating a range of exciting programs designed to encourage young people to consider a future in engineering.

The [Robotics, Automation & Mechatronics Program](#) (RAMP) allows students from Years 9-12 to learn about and use industry standard software and hardware including Arduino microcontrollers (a single board computer that is designed to make the process of using electronics more accessible)

[LEAP Into Engineering](#) highlights career opportunities in engineering, and has so far engaged around 5000 students from 220 schools through an exciting range of events, workshops and camps.

DATTA Vic is excited to reveal that Eddie and his team will be running workshops for delegates at our May conference, so look out for the program details coming soon on our website to book your spot.

For more information, contact Eddie at [E.Custovic@latrobe.edu.au](mailto:E.Custovic@latrobe.edu.au)



## Virgin Australia Melbourne Fashion Festival

The VAMFF kicks off on the 14<sup>th</sup> of March 2015 with an amazing program of runway shows, workshops and awards. Click [here](#) to find out more.

As part of the VAMFF, the award-winning [Johnstone Collection](#) is presenting two special lectures for fashion fans. ***Fashion in Literature – Out Loud*** looks at how costume defines the personality and lifestyle of some of our favourite literary characters, and ***1980s Fashion – From the Street to the Museum*** focusses on the work of Vivien Westwood. Click [here](#) for booking information

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## Safe Use of Machinery Course at Victoria University

Technology teachers need training in the safe use of machinery to maintain a safe classroom work environment and prevent injuries. Victoria University is now running a course in the *Safe Use of Machinery for Technology Teaching*. With dates in March, June, September and December, participants can choose from Woodwork only, and Woodwork and Metalwork.

For more information, and to book, click [here](#).

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## Online Bookshop

Did you know that DATTA Vic now has a range of resources available to purchase online from our website? You can select from a range of support materials, textbooks and workbooks covering PD&T (Wood, Metal & Plastics and Textiles), Systems Engineering and Sustainability, and choose to pay by school order number, credit card or invoice. Just visit our [bookshop](#) and start shopping!



## Just for Members

There are now also a wide range of resources free for our members available to download and use in the classroom. These include units of work, project ideas, and past editions of our *Technotes* journal. You can also advertise free on our [noticeboard](#). You'll need to log-on to the website as a member. If you've forgotten your details, just email Davone at [admin@datta.vic.edu.au](mailto:admin@datta.vic.edu.au) for assistance.



## Online Resources

You can browse our [Library](#) to see a selection of the reference materials we hold at our office, and which are available for members to consult. And we've updated our [Sustainability](#) page, making even more resources available for you to use in the classroom. These include a new animation, *It's the Little Things*, and a range of interviews with designers on how they incorporate sustainability into their design practices.

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Volume 28 Issue 1  
ISSN: 1835 - 7148  
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