

The DATTA Vic Newsletter Term 2 2017



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Welcome from the President

Welcome back to term 2. We've got a lot of fantastic things coming up soon for you! We've just put together our most ambitious annual conference yet - [60,000 Years of Australian Design & Technologies](#) .

This event, to be held on the 12th & 13th of May at Harvester Technical College, will combine our usual variety of skills and curriculum-based workshops with fascinating insights into our Aboriginal and Torres Strait Islander histories and cultures - a cross curriculum priority in the Victorian Curriculum. It will also cover the latest in Design and Technology education including STEM and Sustainability focuses for primary and secondary schools.

To register and select your workshops head over to our [website](#). Be quick - places will fill up fast!



As I informed you last term, our [Design and Technology Week](#) pilot programme in Victoria last year was such a success that all of the other state associations for D&T have joined our efforts. So we will have our first national week this year from 16th – 22nd of October.

We've partnered up with [Engineers Australia](#) again, who value us as a critical link in their “STEM Pipeline” strategy, [Engineers Make Things Happen](#). We all know that Australia and the world need more creative problem solvers, and we know that this is exactly the type of skills and knowledge that we are equipping our students with every day.

With a better understanding of our past and a shared vision for our future we can really begin to start shouting with confidence about the benefits of our learning area. Let's encourage our colleagues and school leaders to start talking to us as facilitators about how to deliver engaging, project based learning. Let's collaborate with science and maths faculties to create new projects that use design thinking. Let's be disruptive, proud and open-minded about the benefits we bring to our students, our communities and our country.

Peter Murphy
DATTA Vic President



News from the VCAA

The VCE PD&T New Study Design

Teachers are advised that the new VCE PD&T study design has now been published. This is available to teachers in preparation for the implementation of the new study in 2018. Resources will be sent out progressively as they become available. Click [HERE](#) to download the document.

The DATTA Vic 2017 Annual Conference 12th & 13th May, Harvester Technical College



We're delighted to announce that registrations for our annual conference [60,000 Years of Australian Design & Technologies](#) are now open! Click on this image to download the conference program, and click [HERE](#) to book. But get in quick - registrations are already coming in fast!

We will explore the past, present and future of this country's rich and innovative contribution to the field of design and technology - from Aboriginal & Torres Strait Islander culture and heritage to the latest in STEM educational developments.

The conference has over 50 workshops which cater for both primary and secondary teachers. From hands-on sessions on CAD, 3D printing, robotics, sustainability and wearable technologies to discussions on the new F-10 curriculum, the new VCE PD&T and resources for teaching Aboriginal & Torres Strait Islander design, this event will offer invaluable support to teachers from throughout Victoria.

Delegates can also explore our diverse trade exhibition area, watch the live finals of our student design competition, [So You Think You Can Design - Textiles](#), and experience the thrills of our VEX Robotics tournament!



And teachers, note when you apply for permission to attend - this conference addresses the Victorian Curriculum's two **cross curricular priorities** of *Learning About Aboriginal and Torres Strait Islander Histories and Cultures* and *Learning about Sustainability*.



Members can attend for only \$299 for the two days, and we have a special CRT/Student price of only \$120. Lunch and refreshments are provided, and all delegates receive a special conference satchel.

So **register now** and join us for a fantastic 2 days of professional learning, upskilling, discovery and networking! Can't wait to see you there!

Contact Laura at pl@datta.vic.edu.au for more information.

So You Think You Can Design - Textiles



Lily & Alannah from Melbourne Girls College - winners of SYTYCD Textiles 2016

Registrations are now open for our **So You Think You Can Design - Textiles** student design competition.

All you have to do is email Laura at pl@datta.vic.edu.au to get your students involved.

Round 1 takes place in your school - click **HERE** for the Fact Sheet and Challenges. Submit the work of 2 winners by the 1st of May, and your students could be competing live at our **annual conference** on the 12th & 13th of May.

As their accompanying teachers, you can attend the conference for free. The winners each receive a Bernina overlocker, and all participants get a prize.

Thanks to our sponsors for their invaluable support;

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DESIGN COMPETITION



For our **Wood, Metal & Plastics** students, round 1 will take place during [Design & Technology Week](#) 2017 on the 16th - 22nd October. Then the winners of these school-based challenges will compete for the SYTYCD crown live at our conference in December!

So keep an eye out for our emails about the competition, and get your students involved! It's a great way to promote our area - to students, fellow teachers, principals and the wider community. For more information, contact Laura at pl@datta.vic.edu.au.

Term 2 Professional Learning from DATTA Vic



There's even more happening in term 2 for Victorian D&T teachers than our annual conference! DATTA Vic have a range of professional learning events on offer from April to June.



We're running **Getting started with VEX Robotics** on Wednesday 26th April, 5pm - 8pm at the Dream Factory in Footscray.

Click [HERE](#) for more information and to book.

Join us for our **VCE PD&T Units 2 & 4** on;

[2nd June](#) in Footscray, and
[14th June](#) in Bendigo.



These sessions run from 10am to 3pm, and lunch and refreshments are provided.

And here's one not to miss for textiles teachers - both primary and secondary! DATTA Vic is teaming up with the National Wool Museum on **The Big Wool Day Out - The STEam & New Curriculum Edition!** Click [HERE](#) for more information and to book.



We have information coming soon about a day for VCE Systems Engineering teachers in Geelong, and we'll also be announcing details soon about sessions on the new VCE PD&T study design for teachers in Melbourne and Bendigo. More soon!

Safe Use of Machinery for Technology Teaching



A number of institutions are running the **Safe Use of Machinery for Technology Teaching** course throughout the coming year.

Holmesglen College has a session on the 4th - 7th July at McLelland College Frankston - click [HERE](#) for more information and to book.

Gordon TAFE have a range of courses running in May and October. Click [HERE](#) to download their flier.

Victoria University have sessions in July, October and December. Click [HERE](#) for their course webpage.



DATTA Vic will once again be working with the DET's Senior OHS Policy Advisor, Glenn Eckardt and Mill Park Secondary College on **OH&S in the Technology Classroom**. This day-long workshop is scheduled at Mill Park on the 28th July. More information is coming soon, but save the date in your diaries!

For more information in OH&S for Technology teachers, visit the [DATTA Vic website](#).

STEM in the Outdoors Primary Conference



DATTA Vic are excited to be participating in **STEM in the Outdoors**, a conference for primary teachers hosted by GTAV and HTAV. It's taking place at Melbourne Museum on the 29th May, and if you are a DATTA Vic member, the cost is only \$99.

A wide range of other teachers' associations and external organisations will be participating, and the event will explore best practice in STEM education across the curriculum.

Click [HERE](#) to download the conference flier. Bookings open soon at www.gtav.asn.au

Engineers Make Things Happen

The Need for an Engineering Pipeline Strategy



Engineers Australia have just launched their groundbreaking report [Engineers Make Things Happen](#), which explores the current drop-off in students undertaking STEM studies, and what this means for the future of engineering in this country. DATTA Vic's Veena Nair was part of a panel at the launch event, discussing how teachers can best be supported by Higher Education and Industry to ensure a brighter future for our young people in the engineering sector.



You can read more about the launch, and EA's future plans [HERE](#). DATTA Vic look forward to working with Engineers Australia and University and Industry partners in the future to provide support for schools in STEM learning and teaching.

And read on to find out more about our first initiative with La Trobe University for rural teachers...

University News

Creativity, Imagination, Technology

A partnership between DATTA Vic and La Trobe University



Breaking News! DATTA Vic and La Trobe University's [Department of Engineering](#) have been awarded a *Google CS4HS* grant to deliver ***Creativity, Imagination Technology - a Boot Camp for Rural & Regional Teachers***. We'll be delivering two workshops in the Bendigo and Albury-Wodonga regions, equipping rural teachers with the skills and knowledge to deliver innovation & entrepreneurship programs & resources, both to their students and to share with colleagues.

We'll be sending out details soon, so keep an eye on your emails. In the meantime, thanks to La Trobe for their invaluable support for this program.

Teacher Resources & Events

NGV Creative Educators - Design with Tim Fleming



Sat 22 Apr, 10.30am–12.30pm, NGV International

Explore the innovative world of design and how to tailor it for the classroom with Melbourne creative Tim Fleming.

In conjunction with *Creating the Contemporary Chair*, Tim will lead educators through his design process and invite participants to design and create their own flat-pack furniture piece.

Tim Fleming's practice covers a wide terrain as an artist, designer and educator. In 2003 he founded the studio called Flatland OK. Central to his practice has been a comic illustrating satirical design concepts and the adventures of Robin and Tobin. In 2013 Fleming was commissioned with Phooey architects to create an interactive children's installation Trugo GoGo for Melbourne Now exhibition. Fleming has also been invited by NGV Australia to exhibit a piece of furniture (Giant Hand Mirror Library, 2013) as part of the Melbourne Now design showcase.

Booking required - \$60

P: 8620 2340, 9am–5pm weekdays, E: edu.bookings@ngv.vic.gov.au, W. ngv.vic.gov.au/learn
Click [HERE](#) for more information

Day of STEM - Women in STEM



The Day of STEM Platform has launched a new program featuring leading **Women in STEM** mentors.

Leading female voices of Australian industry are sharing their personal career journeys through a new program designed to build awareness and inspire students to pursue pathways in the STEM (Science, Technology, Engineering and Mathematics) fields. According to a recent report by Australia's Chief Scientist, women comprise just 16% of the total STEM workforce, a glaring statistic that has resulted in an increased focus to improve gender parity from leaders and organisations across the spectrum of Australian society.

The Day of STEM is a national initiative, designed to raise the National IQ for STEM and Cyber Science. The program introduces and inspires all secondary and tertiary education students to pursue STEM careers and build the skills that will open up their future and connect them to the in-demand digital workforce. It can be run in your classroom at a time that suits you and your students.



Click [HERE](#) to find out more about the Women in STEM program and to register

Coder Dojo at Discovery Science & Technology Centre



Have you got students who LOVE coding? The Discovery Centre is partnering with Bendigo's branch of [CoderDojo](#). CoderDojo is a global movement of free, volunteer-led, community based programming clubs for young people. At a Dojo, young people, between 7 and 17, learn how to code, develop websites, apps, programs, games and explore technology in an informal and creative environment.

Sessions are free, and run on Saturdays throughout April and May. Click [HERE](#) for more information.

What's on in Tasmania

2017 Design Tasmania Awards

In November last year, Design Tasmania announced the winners of the 2017 *Design Tasmania Awards*- see the Top Ten [HERE](#).

Congratulations to overall winner Emily Snadden for her *Halea Pod Earrings* design, and to Murray Antill for taking out the People's Choice award for his *Wave Stereo Console*(pictured).



The awards aim to challenge designers to consider a range of different end-users, to go beyond materiality and function, to engage the wonder and delight of the world and how they can make a difference to people's lives.



Join DATTA Vic for:

- free resources
- discounted PL & conference rates
- reduced prices on text books
- support with curriculum implementation
- help with teaching STEM
- expert advice
- networking opportunities
- rural & regional programs
- support with OH&S issues
- special prices for students & CRT

Sign up today, or contact Laura at pl.datta.vic.edu.au to chat about the benefits of membership for you and your school.

