

The DATTA Vic Newsletter Term 4 2017



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Welcome from the President

Dear members, due to a new and exciting role as a STEM coordinator at my school I will be stepping down as president of DATTA Vic.

I would like to thank my team, the staff and committee of DATTA Vic for their hard work, support and good humour over the past couple of years. The organisation has transitioned to a new exciting location and is brimming with positivity and possibilities!

DATTA Vic has always been more than a professional development provider for teachers. It has been the champion of Design and Technology education both locally and nationally, and will continue to be in the future.



I am extremely proud of our recent efforts, but two stand out in particular. Our last conference in May, **60,000 Years of Australian Design and Technologies**, was very special in the way that is perfectly connected our dynamic and contemporary learning area to indigenous culture, creating a strong bond that will benefit our organisation, teachers and students for years to come.

The more connections we can make with other areas the more relevant and vital Design and Technology will become in a rapidly evolving educational landscape.

Secondly, I'd like to mention our efforts to promote the complex and challenging work we do with young people through the creation of **Design and Technology Week**. This year is the first national event and Victoria is leading the way in terms of events and school registrations and I expect this to be the case for some time to come. Victorians clearly understand the value of Design and Technology beyond solely traditional approaches. Our leadership in design is particularly strong and elements of the week such as our student competition **So You Think You can Design** and our support of VEX robotics show how progressive we have been. With your help Victoria will remain a leader of Design and Technology education and I will aim to bring this to the rest of Australia through my current role as president of DATTA Australia and as a general committee member of DATTA Vic.

DATTA Vic and all the Design and Technology teachers of Victoria will continue to need your support as members, participants and deliverers of professional development through regional networks, conferences and workshops. The upcoming national conference in December 2018 at Swinburne University is looking to be particularly exciting so make so you keep your eyes peeled for more information on that.



In the meantime I hope you all have a fantastic and fun Design and Technology Week and I'll look forward to seeing you again at the upcoming **Special Members' Event & AGM** on the 18th of October at Monash University and our **Makerspace** conference on December 1st at NCAT, where you will get to meet our new president!

It has been an honour to serve as president for the past couple of years and thanks again for all of your invaluable feedback and support. Good luck for term four!

Peter Murphy

President, Design and Technology Teachers' Association Australia

President, Design and Technology Teachers' Association Victoria



News from the VCAA

STEM Professional Learning

The VCAA specialist teachers are running a series of free face-to-face and online sessions throughout Victoria in Term 4. You can also request a network session. Find out more [HERE](#)

Victorian Curriculum: F-10 Design and Technologies — Indicative progress

An important aspect of curriculum planning is being able to articulate what student progress looks like, using the achievement standards in the curriculum continuum.

To support teachers to tie together what is being taught and how progress between achievement standards are described and demonstrated, the VCAA has developed new resources based on the notion of 'indicative progress'. By developing indicative progress descriptions during the planning phase, teachers will be better placed to explain the learning expectations to the students and assess and report student achievement. Further information about indicative progress including templates for all levels of Design and Technologies and examples are available. The Indicative progress examples are designed to be used with the indicative progress templates as a stimulus material, to support teachers to develop their own descriptions of indicative progress. Click [HERE](#) for more information.

Top Designs 2018 Applications

Top Designs is an annual exhibition at Melbourne Museum presenting work created by students who completed VCE Product Design and Technology and Systems Engineering.



Applications forms and information about how the application process works and key dates are available online. Applications close Thursday 19 October 2017. Click [HERE](#) for details.

Leanne Compton

VCAA Curriculum Manager, Design and Technologies

Design & Technology Week 2017



Did you know over 70,000 students throughout Australia will be participating in [Design & Technology Week 2017](#)? And it's not too late to get your school involved! You can register [HERE](#), and browse our website for a range of school-based activities you can run with your classes.



Why not take part in [So You Think You Can Design](#)? - our student competition that demonstrates the creative, innovative and challenging work taking place in the Design & Technologies learning area.

This year, your students will have a design challenge to complete in school during D&T Week from the 16th - 22nd October. The brief is simple -



To design a product that attempts to solve a personal, local or global problem.

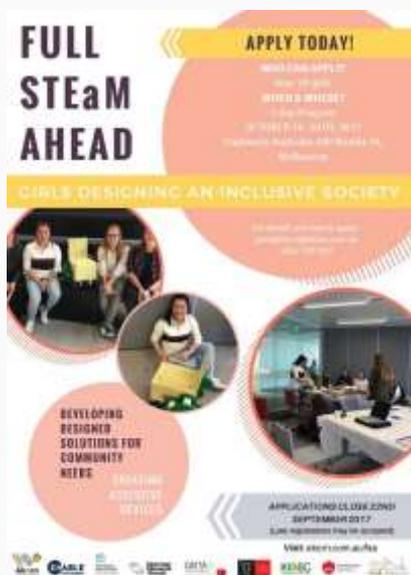
The work of the finalists from each state will be shown at the DATTA Vic [Makerspace 2017](#) conference in December. The overall winner will receive an iPad mini.

Thanks to our sponsors for their generous support for this program:



D&T Week 2017 - Events in Victoria

There is also a fantastic variety of events running in Victoria for teachers and students throughout D&T Week - thanks to our wonderful partners.



FULL STEaM Ahead - Girls Designing an Inclusive Society 16-20 October at Engineers Australia

Akorn Educational Services and Enable Development are offering this amazing opportunity for Year 10 girls to participate in a **FREE**, 5-day program. For more details and to register, contact Georgene at georgene.b@akorn.com.au, or 0412 339 553.

Click on the image to download your own Full STEaM Ahead A3 poster

Design & Engineering on the Move 17th October at Northcote HS

Join Northcote High School and experts from the auto industry for this **FREE** evening exploring study and career opportunities in this rapidly evolving sector. Register [HERE](#).



Child's Play - A Teacher PD on Inquiry Based Learning 18th October at Discovery Bendigo

Join Discovery Science & Technology Centre for this hands-on teacher PD on Inquiry Based Learning - with Beer and Pizza included!! Suitable for upper primary and lower secondary educators. Click [HERE](#) for more info.

Think, Sketch & Create - an Industrial Design Workshop from MADA, 18th October at Monash Uni

Year 10 students - join MADA in this FREE workshop to explore design briefs, new skills in sketching, making, thinking and doing, as well as how to put these things in a great design folio. Click [HERE](#) to register.



**Engineering Experience Day at Deakin CADET
19th October at Deakin University Geelong**

Year 9 & 10 students - explore cutting edge technology in Virtual Reality, 3D Printing, mechatronics and humanitarian engineering in this free full-day program from Deakin CADET. Click [HERE](#) for further details.



**Drape Design & Deception - Edith Head & Hollywood
19th October, Bendigo Art Gallery**

This great PL workshop for textiles teachers is a partnership between DATTA Vic and Bendigo Art Gallery, and is one not to miss! Based on the exhibition [The Costume Designer - Edith Head & Hollywood](#), teachers will participate in a range of hands-on activities linked to the D&T and Studio Arts curricula. For more information, click [HERE](#).

DATTA Vic Special Members' Event & AGM



And to continue our D&T Week celebrations, we're delighted that Monash University will host our annual Special Members' Event and AGM on Wednesday 18th October.

Join us from 5.30pm - 8pm at [Monash Art Design & Architecture](#) (MADA) exploring the future of design and innovation in Australia and beyond.

- Listen to a keynote by [Dr Mark Richardson](#), Industrial Design lecturer at Monash University
- Participate in the DATTA Vic AGM
- See the state-of-the-art facility at MADA
- Network with colleagues
- Refreshments served

This is a **FREE** event for DATTA Vic members only, but registration is essential. Click [HERE](#) for more information and to book.

Makerspace Conference 2017 - Applied STEM in Design & Technologies



DOWNLOAD THE CONFERENCE PROGRAM [HERE](#)

REGISTER [HERE](#)

Registrations are now open for DATTA Vic's 2017 [Makerspace](#) conference, which will take place on the **1st of December** at the Northern College of the Arts & Technology, Preston.

Join us to explore applied STEM learning, new technologies, creative problem solving and design thinking - and the joy of making too! Suitable for both primary and secondary educators.



There are over 30 workshops to choose from, a variety of suppliers showcasing the latest in resources and new technologies, our [So You Think You Can Design](#) student exhibition, and the chance to network with colleagues from throughout Victoria and beyond.

Places are filling up fast, so register now to ensure your first choice of workshops. For more information, contact Laura at pl@datta.vic.edu.au.

And here are some important dates for your diary! The 2018 DATTA Vic annual conference will be on **May 18th** at Harvester Technical College in Sunshine.

And from the **6th - 8th of December 2018**, we'll be hosting, along with Swinburne University, [Design Led Innovation](#), the national DATTA Aus & DATTA Research Conference. With delegates from Australia and beyond, this is one for D&T educators not to miss!



Upcoming Professional Learning from DATTA Vic

As well as the *Makerspace 2017* Conference, DATTA Vic has a range of learning events coming up for teachers and students throughout Term 4. You'll find our full PL program on our website [HERE](#).

Ideas to Innovation - STEM in Regional Victoria **LAST CHANCE TO BOOK!**



LA TROBE
UNIVERSITY

FREE FOR DATTA VIC MEMBERS **FOR TEACHERS IN THE BENDIGO & WODONGA REGIONS**

DATTA Vic and La Trobe University have teamed up to bring this great opportunity for Design & Technologies teachers in rural and regional Victoria. We'll be running two programs - one in Albury Wodonga and one in Bendigo - helping 7-10 D&T teachers to equip their students with the skills they'll need for a global, technology-driven and flexible future.



The first part of the program will be delivered via YouTube broadcast on the 10th October which will introduce the required prior knowledge, the new technologies you'll be using and a plan for new classroom projects.

At the boot camps (*Wodonga, October 11, Bendigo, October 12*), you'll work with academics from La Trobe University's [School of Mathematical & Engineering Sciences](#) to develop skills in using new technologies and on innovation programs that can be delivered with your students.

Following the boot camp, La Trobe University student ambassadors will provide continued support via their web portal to bring your Innovation programs to life.

For more information and to register, click [HERE](#)

Thanks to the Google CS4HS fund for their generous support for this program

Google CS[4]HS

VCE Systems Engineering Student Exam Prep, 12th October, Caroline Chisolm Catholic College

SYS Eng students & teachers - join State Reviewer Colin Chapman in this workshop preparing you for the VCE exam on the 20th November. Click [HERE](#) for more info and to register



VCE PD&T Regional Student Exam Prep Workshops

Join DATTA Vic at the locations below and get all the information you need to get ready for the VCE Exam:

[Horsham](#), 13th October

[Bendigo](#), 16th October

[Via Polycom](#), 16th October

[Mildura](#), 20th October

Sustainability Design Workshop

Explore the NGV Chair Exhibition and experience the National All Energy and Waste Expo @ Melb Exhibition Centre in this fantastic workshop for teachers - both primary and secondary - seeking to integrate sustainability principles into their teaching practice. Download the flier [HERE](#).



VCE PD&T New Study Design Intensive



December 11, The Dream Factory, Footscray

Our VCE PD&T New Study Design Intensive on the 23rd October fully booked, but don't worry if you didn't manage to register! We're running another workshop on the **11th December**. Jill Livett will take participants through the changes and opportunities following the minor review, discuss strategies and ideas to support your students, and focus on requirements for Units 1 & 3.

For more information and to register, click [HERE](#)

Note DATTA Vic will run additional sessions on the new study design in Term 1 2018 - details coming soon.

Term 3 PL Recap

Term 3 was an extremely busy one, with teacher workshops and student events taking place throughout Victoria. Here's a review of just a few of them!

Build Your Own Infrared, Remote-Controlled Recyclobot or LED Cube



Pat McMahon delivered yet another fantastic session on working with [Picaxe microcontrollers](#) on the 19th August - here are some of the participants with their finished projects! Thanks again Pat for all your hard work supporting teachers!

STeAM & Makerspace Education in the New D&T Curriculum



Thanks to everyone who participated in our [STeAM & Makerspace Education in the New D&T Curriculum](#) workshop back in August - our delegates, presenters, and Catholic College Bendigo, our generous hosts!

It was a great day exploring STeAM learning & teaching in schools, and working together on new cross-curricular projects. *"It was excellent being able to hear from the presenters...and to be able to work with other people & present a STeAM unit to the group"* A.D. *"A dynamic group of educators from varying backgrounds willing to share and collaborate"* S.J.

The South West Design & Technologies Group



Our [South West Region Design & Technologies Group](#) met again in Term 3 - thanks so much to Warrnambool College for hosting! Scott Jenkin and Tim Gunner ran a session on designing and making eco lamps, and the participants had the chance to share ideas and issues with their local colleagues.

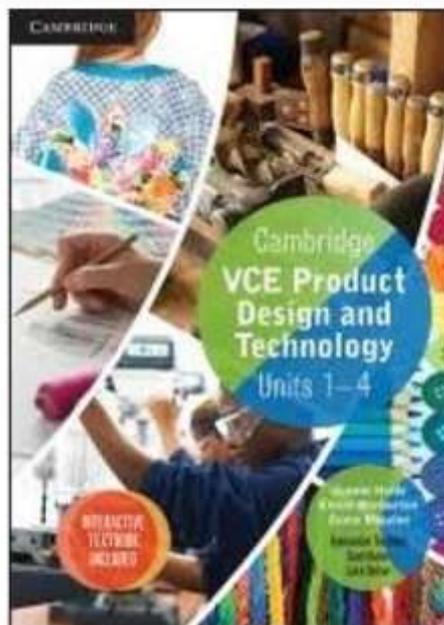
If you are interested in working with DATTA Vic to set up a Design & Technologies group in your own region, contact Laura at pl@datta.vic.edu.au.

New Teacher Resources

A range of new textbooks and workbooks will be available for 2018. These can be purchased from the [DATTA Vic shop](#) from mid-November, and members will receive a significant discount. For more information and to pre-order your copies, contact Hannah at admin@datta.vic.edu.au or 03 9349 5809 (Wed - Fri).



Nelson, a Cengage Company are publishing the 4th edition of their **VCE Product Design & Technology Units 1-4** Text book and Workbook, written by Jill Livett and Jacinta O'Leary.



Cambridge University Press are publishing a **VCE PD&T Units 1 - 4** Textbook and Workbook, by Joanne Heide, Zowie Moselen, Eloise Warburton & Luke Dicker

DATTA Vic will be publishing a new edition of the **VCE PD&T Units 1 - 4 Support Materials**, which will be available early in 2018.



Nelson Cengage are also publishing a **Tech by Design** Textbook and Workbook for Years 7-10 Design & Technologies, written by Jill Livett, Jacinta O'Leary and Mark Tory. It will provide a framework for the creation of design solutions across a range of materials and offer opportunities for STEM learning.

Technotes - our Members' Journal



Don't forget - DATTA Vic members can log-on to our [website](#) and download their own copy of our annual journal *Technotes* from the [Resources page](#). (Past issues can also be accessed here.)

If any members have problems logging on, please contact Hannah on admin@datta.vic.edu.au.

VEX Robotics News



It has been a busy season for VEX Robotics so far. We have seen the number of schools involved triple since October last year, and as a result, the competitions are getting bigger and better! On September 11th we saw 25 teams compete at RMIT's Storeys Hall. Dandenong High School and Gisborne Secondary College made their debut against veteran teams from across Victoria. The energy flooding out of the RMIT hall was incredible - demonstrating why competitions are such an important way to engage students.

Another area where we are seeing massive growth is in Victoria's North East. Michael Rogers and Maree Timms have been working hard to introduce VEX to students across the region and will be hosting their first regional event, 'NEV-SR Scrimmage' on October the 28th in Wodonga. We are encouraging all teachers and schools in North East Victoria to come and see for themselves how rich and rewarding VEX robotics is for students and find out how they can join in the fun. All IQ & EDR teams are welcome to compete. Please register teams at www.robotevents.com or contact Michael for more event information at mrogers@wmyc.vic.edu.au.



DATTA Vic will be running two VEX Teacher PL's in Term 4:

- **VEX Robotics Intensive** - 14th October, Wangaratta, *and*
- **VEX Evening Workshop** - 24th October, Footscray

There will also be 2 tournaments open to the public - October 21st at Maribyrnong College and October 28th at Wodonga Middle Years College.

Over the past few months VEX has been setting up offices in Australia. Nicole Champagne, the manager of VEX Australia has been working hard to make sure that schools have what they need to work with Robotics. For more information, email her at Nicole_champagne@innovationfirst.com.

Travis Burroughs
VEx Robotics Coordinator

Vale Foster Adem



Everyone in the DATTA Vic community was deeply saddened to hear of the loss of Foster Adem in August of this year. In the words of his friend and colleague Peter Clinton, *Foster was a much loved teacher, colleague and friend. He was an active DATTA member bringing a wealth of experience from Industry and many schools including 16 years teacher education at Hawthorn Institute of Education. Foster was instrumental in the growth and development of the Design and Technology program at Trinity Grammar School over the last 16 years. He was an expert in his field and a superb mentor to students and staff alike. He will be greatly missed.*

Foster is pictured here at the launch of Top Designs 2015 - Photo credit: Robin Panousieris.

DATTA Vic are proud to honour his legacy through an prize in his name - the ***Foster Adem Leadership in Technologies Education Award***

DATTA Vic Teacher of the Year Awards



DATTA Vic are delighted to announce that nominations for our **2017 Design & Technologies Educators of the Year Awards** are now open.

There are 4 categories:

- **The Foster Adem Leadership in Technologies Education Award**
- **Secondary Educator of the Year**
- **Primary Educator of the Year**
- **New to Teaching Award**

There are two ways for a teacher to be entered for these awards - they can be nominated by a colleague, or apply themselves.

Click [HERE](#) for further information on the awards, the selection criteria and the nomination forms.

The DATTA Vic Student Awards



Pictured left - right: La Trobe University's Associate Pro Vice-Chancellor Professor Amalia Di Iorio, Phillip Beadsmoore and DATTA Vc's Veena Nair

Each year, DATTA Vic awards a prize to the best student on the *Bachelor of Technology Education* course at La Trobe University. We're delighted to announce that the 2017 winner is **Phillip Beadsmoore**. He is pictured here receiving his award from DATTA Vic's Veena Nair. Congratulations Phillip, and we wish you all the best for your future career in education.

The Art of Wool



Runs till November 19 The National Wool Museum Geelong

Discover fashion and fine art in [The Art of Wool](#) exhibition which matches award-winning garments by International Woolmark Prize designers with inspirational paintings and artworks by leading Australian artists.

The exhibition shows the significance of wool in the artistic and design imagination of Australia from the 19th century through to today.

Click [HERE](#) for information on associated education programs for Years 7-12 Design & Technologies students.



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.

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