The DATTA Vic 2022 Annual Report

DATTA VICTORIA
Design And Technology Teachers Association

President's Report

Travis Burroughs

Welcome to the DATTA Vic 2022 Annual Report.

This report has been published following our AGM and Special Members' Event which took place on October 26, 2022 at Melbourne School of Design.

On behalf of the committee and staff of DATTA Vic, we're delighted to share our story for the 2021/2022 financial year.

We've faced a number of our challenges this year– the Covid pandemic has continued to disrupt our member schools, and the critical lack of Design & Technologies teachers still affects all aspects of our work.

But there have also been successes, including new grant funding, partnerships and resources, and improvements to our office systems.

Thanks to all of our committed, creative and passionate members who work tirelessly every day to engage students in Design & Technologies. We hope this report shows how we are working hard to support you, and to advocate on behalf of our learning area to the wider education community.

Travis Burroughs, DATTA Vic President

President's Report

Travis Burroughs

Advocacy

This year, DATTA Vic has continued to advocate on behalf of our members and learning area. After years of lobbying the Minister of Education and the Department of Education & Training to extend their *Secondary Science & Mathematics Initiative*, the State Government announced the establishment of a Graduate Certificate in Design & Technologies Education in their 2022 budget.

13/7/2021

OPEN LETTER to the Hon. James Merlino MP,
Deputy Premier and Minister for Education

The Hon. Gayle Tierney MP
Minister for Higher Education, Training and Skills

Timothy Binks, Director, Workforce Analytics and Strategy,
Department of Education and Training

Subject: The Design and Technologies Teacher Shortage in Victoria

Dear Ministers,

As a matter of urgency, DATTA Vic exhorts the State Government and Department of Education and Training to:

- Extend the eligibility for the *Pathways into Teaching* funding for the Masters Teaching (Design and Technologies/Systems Engineering) programs at Swinburne and Victoria Universities
- Widen the VET/VCAL *Workforce Reform Program* to include secondary Design and Technology and Systems Engineering teacher training
- Extend the *Secondary Maths and Science Initiative* to include the upskilling of teachers in T and E of STEM (Technology and Engineering)
- Initiate discussions with Victorian universities to encourage and support the establishment of undergraduate and post-graduate courses that will address the dire shortage of Technologies teacher training in Victoria.

DATTA Vic are very grateful for the responses you provided following our previous correspondence with you on the critical shortage of Design and Technologies (D&T) teachers - including VCE Product Design and Technology and VCE Systems Engineering educators - in Victoria. We have had several meetings with the Department of Education's Workforce Analytics and Strategy unit and have appreciated the opportunity to discuss the matter in more depth. We acknowledge that the Government is delivering a number of initiatives designed to tackle the overall shortage of teachers in Victoria, however, in most cases, these programs are not addressing the specific needs of our learning area.

The *Victorian Teacher Supply and Demand Report* makes evident the critical lack of Design and Technologies teachers in Victoria and makes evident the need for more supported opportunities to undertake initial teacher education. There are currently two Victorian-based Universities offering a Design and Technologies / Systems Engineering specialisation on their *Masters of Secondary Education* - Swinburne University and Victoria University. Neither of these programs are eligible for the *Pathways into Teaching* funding. We would urge the Government to include them in this initiative. The Australian Catholic University's Master of Teaching (Secondary) is eligible for funding, and it does have a Design and Technologies method, but this is currently only available to pre-service teachers at their Strathfield NSW campus.

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President's Report

Travis Burroughs

Advocacy

There will be 50 out-of-field educators trained in Design & Technologies education, and half of them will be from rural/regional schools.

DATTA Vic have been invited to work with four Universities on their responses to tender to the DET to deliver the Graduate Certificate in Design & Technologies Education:

- The University of Melbourne
- RMIT
- Deakin University
- ACU

This means that whoever is successful, DATTA Vic will be involved in the development and delivery of the course.

Learn more about our ongoing advocacy work **HERE**.

President's Report

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Tackling the Teacher Shortage

The critical shortage of Design & Technologies teachers in Victorian Schools is one of the key drivers in DATTA Vic's operations.

One of our most successful initiatives for tackling the critical shortage of teachers in our learning area has been our **Teaching Design Masterclass program**.

Since we delivered our pilot in 2019, over **100** out-of-field educators have gone through this program.

Thanks to the financial support of Creative Futures, we have been able to deliver three Online Teaching Design Masterclasses for regional teachers for free.

The program has been extended to include a **VCE Systems Engineering Masterclass** and a **Primary Masterclass**.

Participants of the 2019 Teaching Design Masterclass

Participants of the 2020 Teaching Design Masterclass with Peter Murphy

President's Report

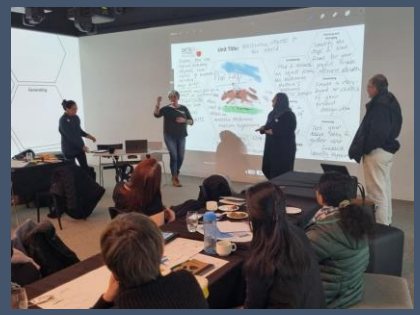
Travis Burroughs

Tackling the Teacher Shortage

Creative Futures have also funded two other key initiatives to address the teacher shortage:

- DATTA Vic are running three Design Education Sprints with Industrial Design and Engineering Undergraduate students in order to encourage them to consider teaching as a career.

- DATTA Vic are engaged in an ongoing program with Museums Victoria to deliver an annual Teaching Design workshop targeting out of field educators.



President's Report

Travis Burroughs

Funding

This year, DATTA Vic has successfully applied for funding to run programs which support our members, including:

- The Strategic Partnership Program Fund from the DET for our *Developing Creative Problem Solvers* program
- The Google Educator Grant for our *Real World Robotics – Breaking Down Barriers to STEM Education* initiative
- Creative Futures Funding for our *Design Education Sprints* and *Online Teaching Design Masterclass*
- Funding from the DET/Academy of Teaching & Leadership to develop and deliver Masterclasses for the *Teaching Excellence Program*
- Funding from the Department of Education and Training to deliver education resources and professional learning for their *Station Ideation – A Minecraft Mission* program

President's Report

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Partnerships

DATTA Vic has worked in partnership with the following organisations over the last year:

- The Department of Education and Training
- Banyule Nillumbik Tech School
- Whittlesea Tech School
- Melbourne Graduate School of Education
- Science Gallery Melbourne
- National Gallery of Victoria
- Melbourne Museum
- Scienceworks
- KIOSC
- The Young Indigenous Women's STEM Academy
- The Academy of Teaching & Leadership
- Monash University

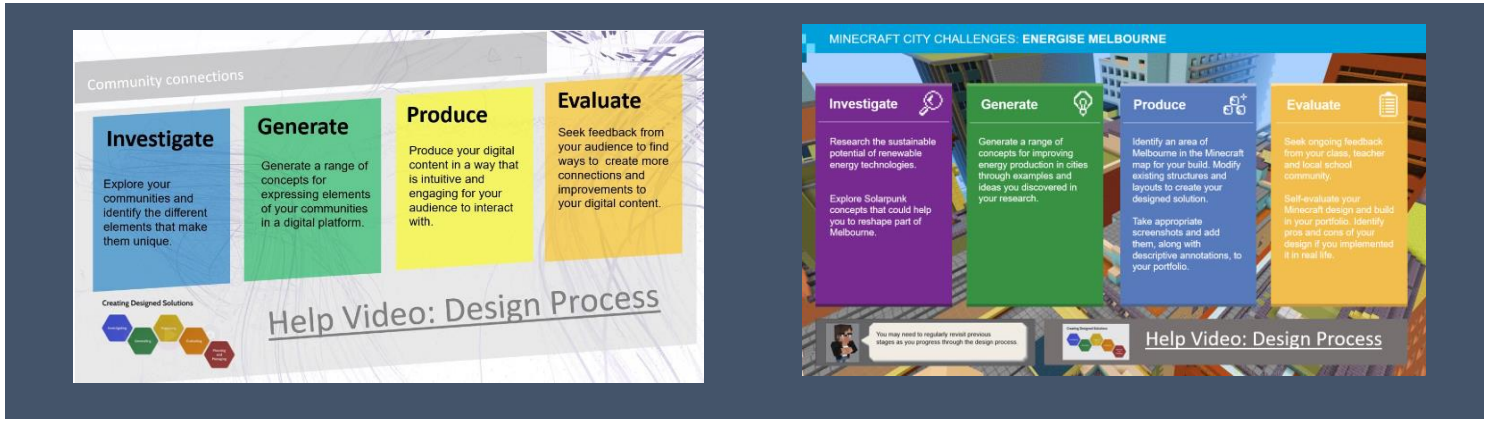
President's Report

Travis Burroughs

Resources

DATTA Vic has published several new resources for our members this year, including:

- *Connecting Learning to Work* – Careers in Design & Engineering with RMIT and Monash University
- *Station Ideation – A Minecraft Mission* education pack
- *Community Connections* with Melbourne Museum & funded by Creative Futures
- Teacher Toolkits
- VCE PD&T Trial Exam
- VCE PD&T Year 11 Trial Exam
- VCE Systems Engineering Trial Exam



President's Report

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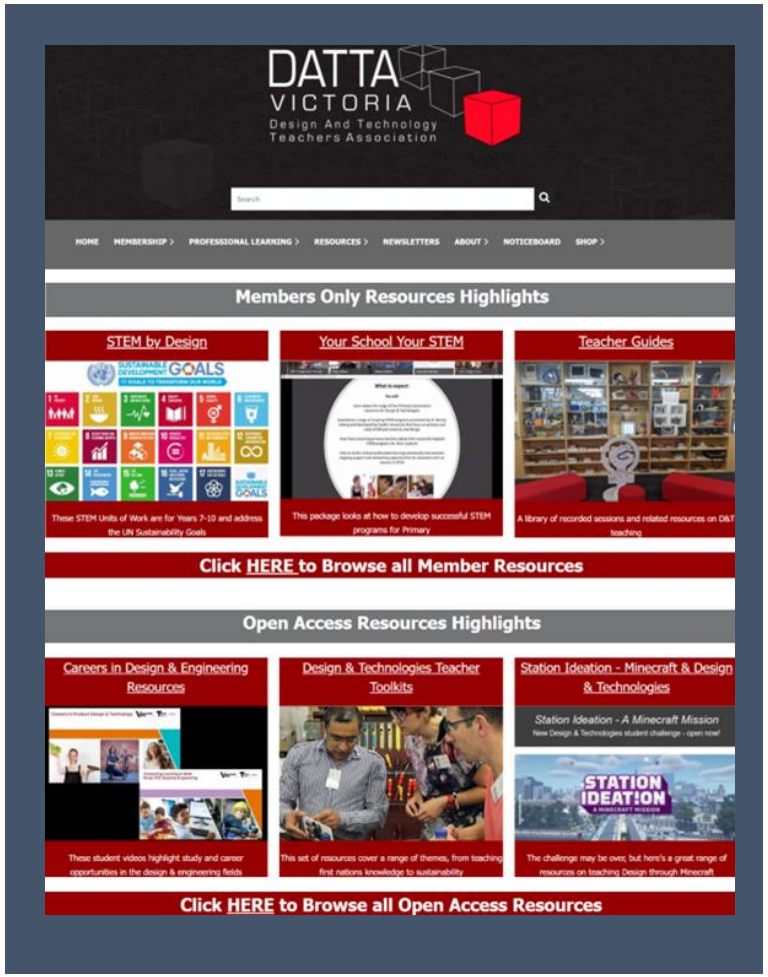
Changes for DATTA Vic

DATTA Vic has made three large investments in our organisation this year:

- We have migrated our members' database over to a new system that allows us to better understand our members and respond to their needs
- We have built and published a new website which is linked to our database and will allow our members greater access to benefits including resources and events
- We have hired Lin Vartan as our new Events Officer, giving us more capacity to expand our professional learning program



Treasurer's Report

Michael Essex

Finances

At the end of each financial year, DATTA Vic engages an auditor to review all our financial activities and ensure that we are operating in a fiscally responsible manner.

Our 2021/2022 Financial Report can be accessed **HERE**.

Over the following pages, you'll find a summary of the key findings of the report, including income, expenditure and equity.

You'll also see how we are re-investing profits into the organisation to continue to improve our service for all of our members.

Michael Essex, DATTA Vic Treasurer

Treasurer's Report

Michael Essex

Audit

Income Report

	2022		2021
Overall Income	**$ 301,278**		$ 360,560
Breakdown			
Partnership Projects (funding)	$ 125,898		$ 111,303
Memberships	$ 83,680		$ 85,570
PDs and events	$ 49,734		$ 34,001
Resources	$ 18,646		$ 34,107
Conference	$ 527		$ 12,051
Other	$ 2,794		$ 1,528
Total Income	**$ 281,278**		**$ 278,560**
Covid-19 grants	$ 20,000		$ 82,000

Treasurer's Report

Michael Essex

Audit

Expenditure Report

	2022		2021
Overall Expenditure	**$ 273, 372**		**$ 204, 321**
Breakdown			
Wages	$ 144, 812		$ 121, 310
PD and events	$ 48, 237		$ 16, 735
Resources	$ 23, 998		$ 12, 500
Super	$ 14, 481		$ 12, 689
Audit/Accounting	$ 5,800		$ 10, 125
Rent	$ 4,106		$ 3, 465
Conference	$ 550		$ 4,707
Total Expenditure	$ 273, 372		$ 204, 321

Treasurer's Report

Michael Essex

Audit

Financial Position

Assets	**$ 576,006**		$ 527,110
Liabilities	**$ 39, 304**		$ 20,774
Equity	**$ 536, 702**		$ 506,336
Profit	**$ 30,336**		$ 156,725

Notes

- Had we hired an Events Officer at the beginning of the year as planned, we would likely have broken even
- Our biggest source of income has come from grants and partnership projects
- We have again lost vital income from conferences – hopefully we will be able to resume our normal conference program from next year
- We are re-investing our equity in staffing and our new website and membership database

Executive Officer's Report

Laura Murphy

DATTA Vic's service

The previous reports from our President and Treasurer have offered an overview of the services we provide to support our members and promote excellence in the teaching of Design & Technologies.

The following pages shine a spotlight on what is most important to DATTA Vic – who are members are, how we are engaging with them and which programs have been successful.

Thanks to all of our 2021/22 members and project partners who worked with us to achieve these things.

Laura Murphy, Executive Education Officer

Executive Education Officer's Report

Laura Murphy

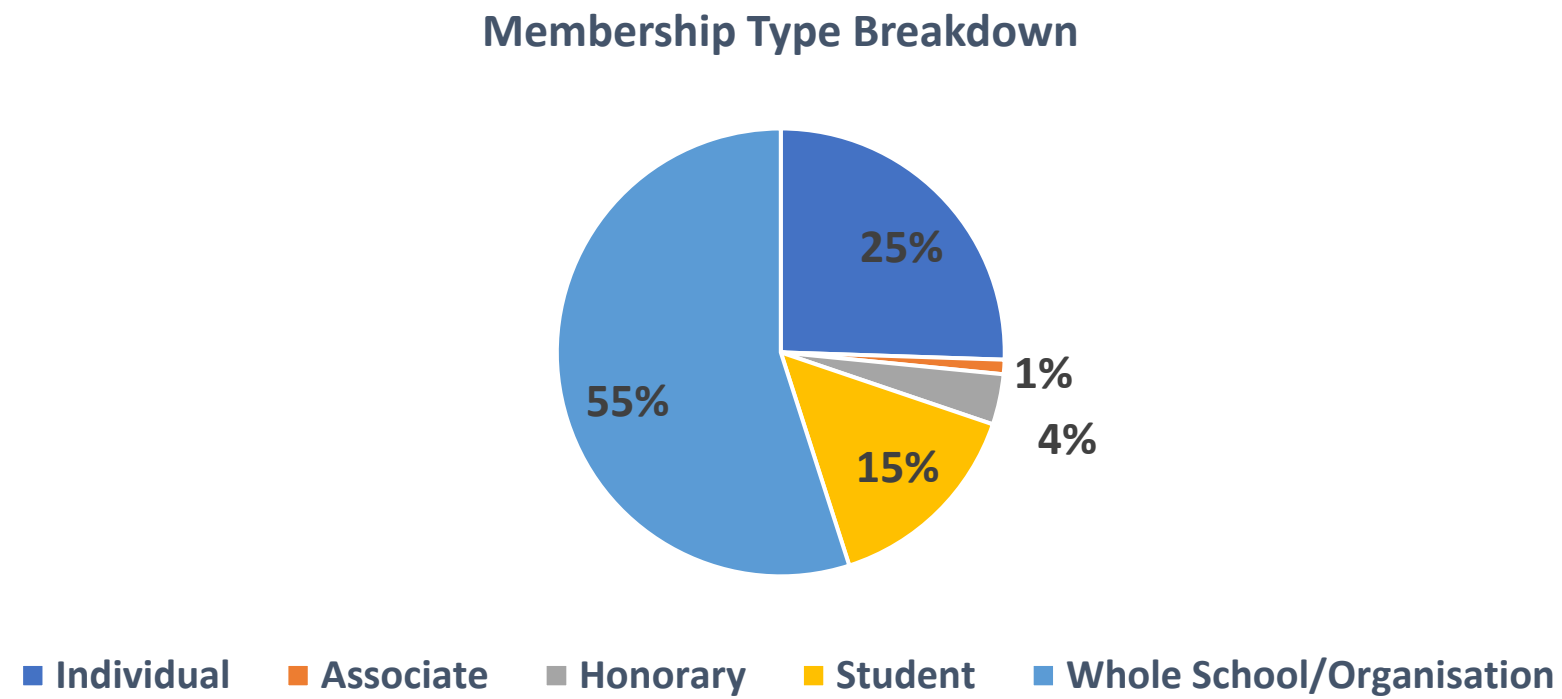
Membership

DATTA Vic has:

- 1439 members through 381 memberships
- 173 are individuals
- 211 are whole-school / organisational memberships

2021 Members

- 1355/449
- 236
- 213

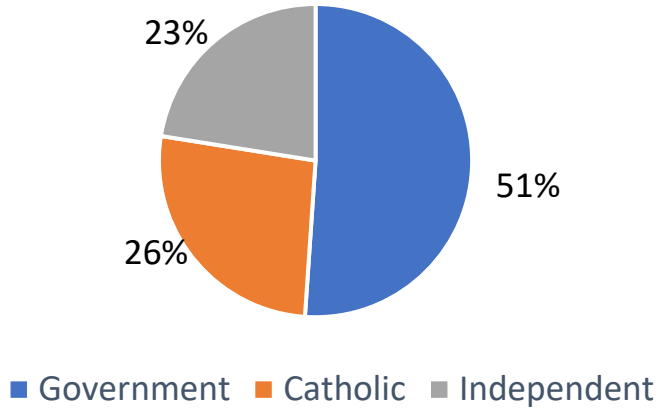


Executive Education Officer's Report

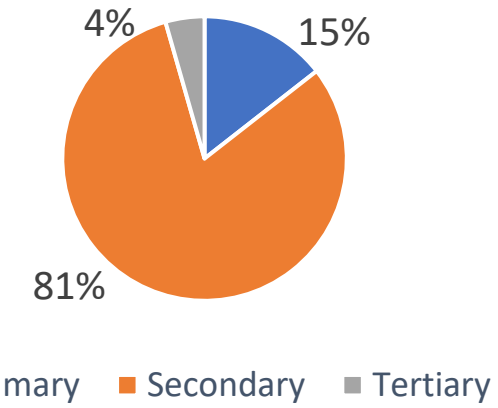
Laura Murphy

Membership

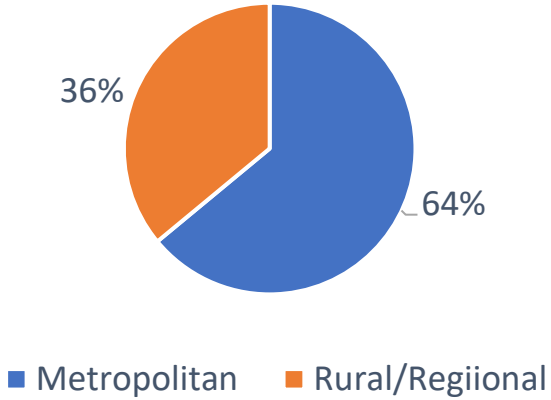
Membership by School Type



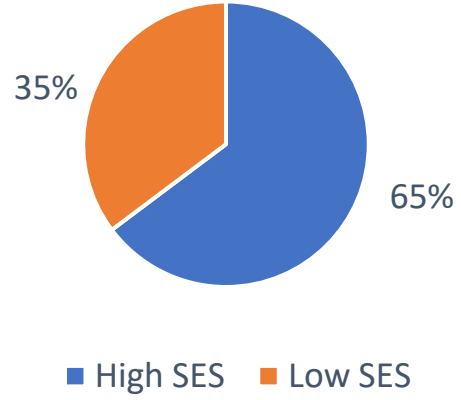
Membership by Level Taught



Membership by Location



Membership by SES Status



Executive Education Officer's Report

Laura Murphy

Professional Learning

Summary of our education program participation:

	2022	2021
Total number of registrations:	**1240**	**1621**
Total number of programs delivered:	**40 programs / 65 sessions**	**49 programs / 71 sessions**
Online programs:	**35**	**48**
Face to face programs:	**5**	**1**
Free programs:	**11**	**22**
Programs with a cost to participate:	**29**	**27**

Executive Education Officer's Report

Laura Murphy

Professional Learning

Some highlights of our professional learning program:

Teaching Design Masterclasses

Our Teaching Design Masterclasses continue to support out-of-field educators with delivering the Design & Technologies curriculum in a safe, engaging manner. In 2021/2022, over 40 teachers participated in this virtual program. Thanks to funding from Creative Futures, 10 of these teachers – mostly from rural/regional schools, could take part for free.

Creative Futures Annual Design Workshop

In partnership with Museums Victoria and funded by Creative Futures, we delivered the second Creative Futures Annual Design Workshop. Again targeted at out-of-field educators, this program seeks to develop new ways to use museum collections and services to support the teaching of Design & Technologies.

Executive Education Officer's Report

Laura Murphy

Professional Learning

Some highlights of our professional learning program:

Station Ideation – A Minecraft Mission

The Department of Education and Training engaged DATTA Vic to work with them on delivering their *Station Ideation-A Minecraft Mission* – a student challenge using Minecraft to design elements of the new Town Hall station. We produced education resources and professional learning.

Teaching Excellence Program

The Academy of Teaching and Leadership engaged DATTA Vic to develop and deliver Design & Technologies teacher masterclasses for their new teaching Excellence program. We were able to explore a range of concepts central to the future of design education – speculative design, student activism, teaching in a post-industrial world, etc.

Executive Education Officer's Report

Laura Murphy

Professional Learning

Some highlights of our professional learning program:

Online Teach Meets

Last financial year, over 230 teachers attended our free online teach meets. What started as a way to keep connected during lockdown, this initiative has evolved to become one of our most popular programs. Some of the topics we've covered have been *Teaching First Nations Knowledge in Design & Technologies*, *Teaching the Capabilities, Future-Focussed STEM and Speculative Design*.

STEM Upskilling Program

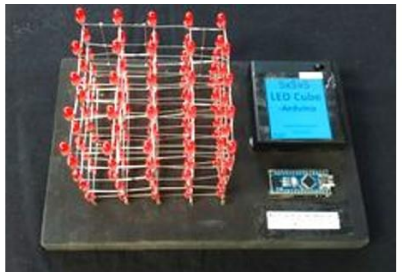
Thanks to support from the Strategic Partnership Program Fund, we've been able to deliver a range of upskilling workshops at discounted costs to members. These have included A Beginners Guide to Tinkercad, Getting Started with Fusion 360 and a Beginners' Arduino Masterclass

Executive Education Officer's Report

Laura Murphy

Future Plans

- *Designing the Future*, our first in-person conference since 2019 is happening in December at Banyule Nillumbik Tech School
- We look forward to working with the University selected by the DET to deliver the Graduate Certificate in Design & Technologies Education



- We'll be lobbying these Universities to adapt the coursework for the Graduate Certificate in D&T education for Initial Teacher Education
- We are running *Design Education Sprints* with Industrial Design undergraduates to persuade them to consider a career in teaching
- We are about to pilot a Teaching Design and Creative Thinking Masterclass for primary teachers

Executive Education Officer's Report

Laura Murphy

Future Plans

- We'll be working in partnership with NGV on a teacher professional learning program on *Alexander McQueen – Mind, Mythos, Muse* in 2023
- We'll be delivering services to support teachers with the implementation of the new VCE PD&T Study Design

- We're producing a new set of resources on Speculative Design for National Design & Technologies Week
- We'll be implementing phase 2 of our new website build, improving access to both our resources library and our shop

The DATTA Vic Committee

Officer Bearers

The Outgoing Committee (2021/2022)

President:	Travis Burroughs
Vice Presidents:	Jill Livett & Zowie Moselen
Treasurer:	Michael Essex
Secretary:	Joanne Heide
General members:	Andrew Nicholls, Anthony Gasson, Christopher Simpson, David Payne, Felicity McNamara, Jacinta O'Leary, Michael Gowers, Michael Slinger, Monique Dali, Veena Nair

Thanks to all of you for sharing your time, knowledge and skills in order to support DATTA Vic members and strive for excellence in the teaching of Design & Technologies.

The DATTA Vic Committee

Election of Officer Bearers

The Incoming Committee (2022/23)

President:	Travis Burroughs
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Treasurer:	Michael Essex
Secretary:	Joanne Heide
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Staff (2022/23)

Executive Education Officer: Laura Murphy *(pl@datta.vic.edu.au)*
Office Administrator/Finance Officer: Emma Fritsch *(admin@datta.vic.edu.au)*
Events Officer: Lin Vartan *(events@datta.vic.edu.au)*

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