The DATTA Vic 2023 Annual Report

DATTA
VICTORIA
Design And Technology
Teachers Association

2022/23 Membership Data

Membership Numbers

2022/23   **2021/22**
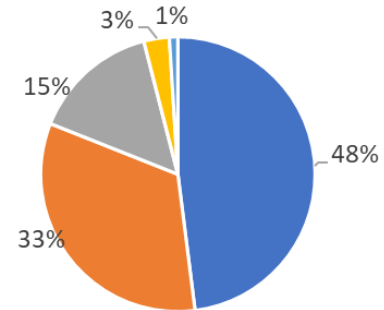
- **1664** members through **457** memberships
- **240** are individual members
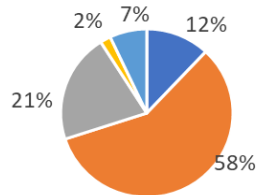- **217** are whole-school members

- **1439 / 381**
- **173**
- **211**

Breakdown of Membership Types

- 48% Whole school
- 33% Individual
- 15% Student
- 3% Honorary
- 1% Associate

■ Whole school ■ Individual ■ Student ■ Honorary ■ Associate

Membership Numbers

Breakdown of Whole-school Memberships

- 12%
- 2%
- 7%
- 21%
- 58%

Legend:
- Less than 500 students
- 500-1500 students
- 1500 plus students
- F-10 School
- Primary/Tertiary

Breakdown of Sectors
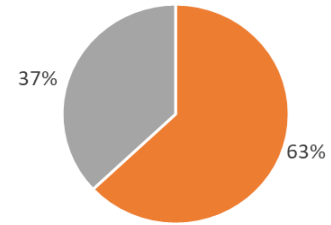
- 10%
- 0.10%
- 17%
- 42%
- 31%
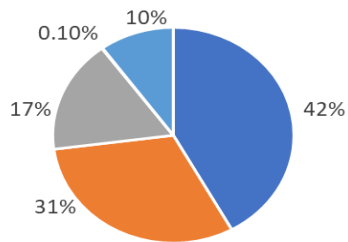
Legend:
- Government
- Catholic
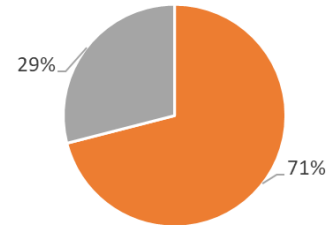- Independent
- Special
- Other

Membership Numbers

Breakdown of Locations

37%

63%

■ Melbourne Metro ■ Rural/Regional

Breakdown of SES Status

29%

71%

■ Above-average ■ Below-average

2022/23
Professional Learning & Projects

Professional Learning

	2022/23	2021/22
Total number of registrations	1336	1240
Total number of programs delivered	49 programs/ 77 sessions	40 programs/ 65 sessions
Number of online programs	30	36
Number of face-to-face programs	19	4
Number of free programs	15	11
Number of programs with a charge	34	28

Our 2022/23 Professional Learning Program

July - December 2022

- Creative Futures Annual Design Workshop, 6 July
- Getting Started with Arduino Masterclass, 28 July
- VCE PD&T Exam Prep for Teachers (2-part), 27 August
- Fusion 360 for Education - Upskilling for Beginners (3-part), 2 August
- Real World Robotics - Breaking Down Barriers to STEM Education (5-part), 10 August
- Online Teaching Design Masterclass for Term 3 (5-part), 17 August
- STEM Upskilling Incursion - Getting Started with Arduino, 18 August
- Online Teach Meet - Future Focussed STEM, 25 August
- Online Teach Meet - Tech for Textiles, 8 September
- VCE PD&T Exam Prep for Students, 17 September
- VCE Systems Engineering Exam Prep for Students, 1 October
- National Design & Technologies Week, 7 October
- Fusion 360 for Education - Upskilling for Beginners (3-part), 18 October
- Online Teach Meet - Using Lasers in the D&T Classroom, 20 October
- Special Members' Event and AGM, 18th October
- Teaching Design & Creative Thinking for Primary Teachers (5 part), 27 October
- OH&S in the Technology Classroom, 14 November
- Design Education Sprint with RMIT (2 parts), 15 November
- Designing the Future Conference, 9 December
- Online Teach Meet - Fantastic Fungi, 14 December

February - July 2023

- Teaching Design Masterclass (5 part), 1st February
- VCE PD&T Units 1 & 3 workshop, 17 February
- VCE Systems Engineering Unit 1 workshop, 21 February
- South West Regional Meet Up - Hawkesdale, 21 February
- Alexander McQueen Teacher Masterclass with Scotty So, 24 February
- VCVE PD&T Folio Masterclass for Students, 25 February
- VCE PD&T Unit 3 Workshop, 27 February
- VCE Systems Engineering Unit 3 Workshop, 28 February
- VCE Systems Engineering SAT Masterclass for Students, 4 March
- Alexander McQueen Folio Masterclass for Students, 5 March
- VCE PD&T Unit 1 workshop, 6 March
- Online Teach Meet - Link your School with Industry, 7 March
- Fusion 360 Intermediate Workshop (3-part), 14 March
- Online Teach Meet - the Royal Melbourne Show, 15 March
- STEM Upskilling Incursion - Getting Started with Arduino, 23 March
- Fashion Illustration at the Convent, 24 March
- Making Drawing Easy with Procreate, 4 April
- Beginners' Guide to 3D Modelling with Sketchup, 28 April
- Online Teaching Design Masterclass (5-part), 2 May
- VCE PD&T SAT Criteria, 4 May
- VCE PD&T UNit 4 Workshop, 15 May
- VCE Systems Engineering Unit 4, 16 May
- Build Your Own Micro-controller Robot, 17 May
- Impermanent Schools Program - Mycelium & Sustainability (3-part), 22 May
- VCE PD&T Unit 2 workshop, 22 May
- VCE Systems Engineering UNit 2 Workshop, 23 May
- Online Teach Meet Year 7&8 STEM, 25 May
- Cut & Create - An Introduction to Laser Cutting, 7 June
- Start Designing in 3D with Tinkercad, 13 June

Professional Learning Highlights

Online Teach Meets

In the 2022/23 financial year, we 6 free online teach meets for our members on a variety of themes related to Design & Technologies education - including *Tech for Textiles*, *Fantastic Fungi*, *STEM Project Deep Dive* and *Bringing Industry into the Classroom with CSIRO*.

Upskilling Workshops

Throughout this period, we delivered 14 hands-on upskilling sessions, with a particular focus on out-of-field educators. These included *Fashion Illustration*, *Laser Cutting in the Classroom*, *VEX Robotics*, *Arduinos and Micro-controllers* and *Getting Started with Fusion 360, Tinkercad* and *Sketchup*.

Professional Learning Highlights

Real World Robotics - Breaking Down Barriers to STEM Education
This five-week project was funded by Google, and supported teachers to explicitly address the Victorian STEM-related curricula – particularly Mathematics and Design and Technologies – through a school VEX robotics program.

Teaching Design & Creative Thinking for Primary Teachers
This initiative was funded by the Strategic Partnership Program and help teachers to innovate in the delivery of Design & Technologies and celebrate the opportunities this curriculum offers to make their students critical and creative thinkers, skilled at solving authentic problems.

Professional Learning Highlights

Alexander McQueen Masterclasses

DATTA Vic was delighted to work with NGV on educator and student masterclasses based on the *Alexander McQueen - Mind Mythos Muse* blockbuster exhibition. Teachers learned how to create upcycled garments inspired by McQueen, and students took part in a folio masterclass based on McQueen's own creative process.

Impermanent School Workshops

We teamed up with RMIT to offer school visits to the *Impermanent exhibition* at Abbotsford Convent, which explored how designers are using mycelium to create sustainably and tackle the plastic waste crisis.

Executive Officer's Report by Laura Murphy

New Resources

Speculative Design Challenges
This set of 5 resources focus on speculative design. They get students using the design process to focus on what their preferred future might be.

Melbourne's Future Story
Created in partnership with Museums Victoria, this project allows students to learn from history and use this knowledge to plan for the city of the future.

Melbourne City Design Challenges
These resources get students using Minecraft as a way to develop solutions to some of the UN Sustainability Goals.

Partnerships

As always, we have worked with a wide range of partners to deliver programs for our members. These include:

- National Gallery of Victoria
- Museums Victoria
- Environmental Education Victoria
- CSIRO
- Forrest Learning
- Banyule Nillumbik Tech School
- Science Gallery Melbourne
- RMIT
- Inspired Education
- Geelong Tech School
- The Royal Melbourne Show
- The Department of Education
- Whittlesea Tech School
- KIOSC

Future Plans

- Preparing for the implementation of the new VCE PD&T study design with new resources and PD programs
- Looking ahead to the new VCE Systems Engineering study and the P-10 D&T curriculum 2.0
- Developing a new advocacy initiative which lobbies Victorian Universities to add Design & Technologies methods to their Masters of Secondary Education courses
- Implementing our 2024-25 *Design Education for a Sustainable Future* program (dependant on funding)
- Continue to deliver our excellent VCE professional learning program

2022/23 Advocacy

DATTA VICTORIA

Design And Technology
Teachers Association

Our Achievements in Advocacy

Having lobbied the DoE for many years to implement programs which tackle the shortage of Design & Technologies teachers, we're delighted that Deakin University will be delivering the government-funded postgraduate qualification in D&T education.

DATTA Vic have been working with Deakin on the establishment of the course, and look forward to being involved in the delivery next year.

Our Achievements in Advocacy

DATTA Vic ran a stand at EduTECH 2022, where we showcased some incredible student projects created in D&T, VCE PD&T and VCE Systems Engineering classrooms throughout Victoria.

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Our EEO Laura Murphy has recently met with the Honourable Natalie Hutchins, Education Minister, to raise awareness of the impact of the teacher shortage on educators.

2022/23

Tackling the Teacher Shortage

DATTA
VICTORIA
Design And Technology
Teachers Association

How We're Tackling the Teacher Shortage

We have continued to run our teaching masterclasses for out-of-field educators.

Thanks to support from Creative Futures, we were able to deliver one of our *Teaching Design Masterclasses* for free.

We were also delighted to partner with Banyule Nillumbik Tech School for our *Teaching VCE Systems Masterclass.*
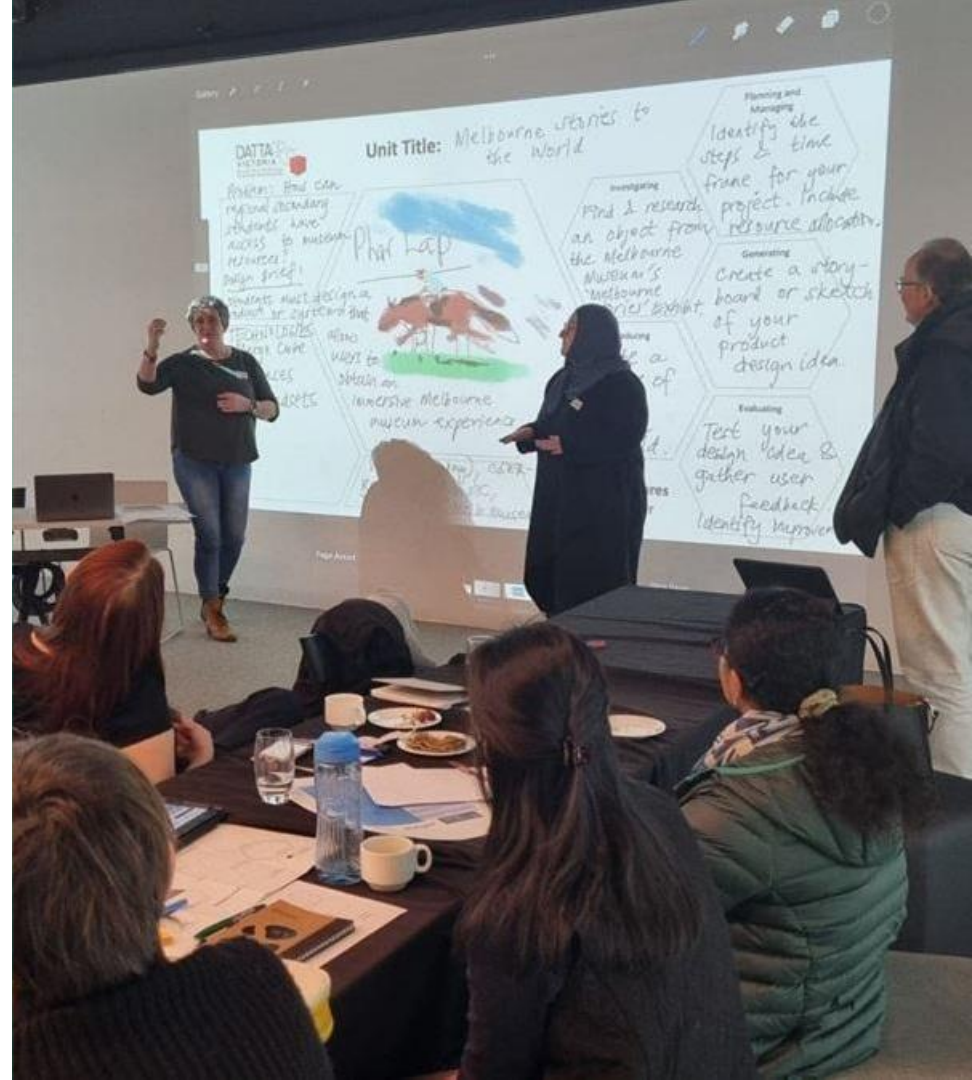
How We're Tackling the Teacher Shortage

Once again we partnered with Melbourne Museum to run the annual *Creative Futures Design Workshop*, which aims to support out of field educators to enrich the way they teach design in the classroom.

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DATTA Vic have continued to match up new to teaching/out of field teachers with experienced educators as mentors in their local areas.

How We're Tackling the Teacher Shortage

Throughout this year, we have been developing our *Industrial Design Students as Technicians in Schools Program*, which launched on the 19th October.

We aim to bring together schools seeking D&T support with design students seeking part time work.

In the short term, schools get technicians trained in emerging tech and students get to work with positive role models.

In the long term, we hope more I.D students will consider a career in teaching through this experience.

2022/23
Financial Report

2022-23 Audit - Overview

Profit & Loss	2022/23
Overall Income	$ 321,420
Overall Expenditure	$ 316,193
Net Surplus	**$ 5,227**
Financial Postion	**2022/23**
Assets	$ 590,914
Liabilities	-$ 48,985
Equity	**$ 541,929**

2022-23 Audit - Income Report

Profit & Loss	2022/23	2021/22
Overall Income	$ 321,420	$ 301,278
Breakdown Summary		
Partnership Projects (funding)	$ 80,457	$ 125,898
Memberships	$ 86,829	$ 83,680
PDs & Events	$ 90,711	$ 49,734
Resources	$ 24,252	$ 18,646
Conference	$ 24,700	$ 527
Other (advertising & Refunds)	$ 431	$ 2,794
Total Income	$ 307,380	$ 281,278
Other Income' (Covid & Gov)		
Grants	$ 10,652	$ 20,000

2022-23 Audit - Expenditure Report

Profit & Loss	2022/23	2021/22
Overall Expenditure	$ 316,193	$ 273,372
Breakdown Summary		
Wages	$ 162,079	$ 144,812
Super	$ 17,018	$ 14,481
Provision (Long Service & Annual Leave)	$ 9,708	$ -
Professional Learning	$ 64,602	$ 48,237
Resources	$ 15,196	$ 23,998
Conference	$ 12,394	$ 550
Rent	$ 4,817	$ 4,106
Audit & Accounting	$ 5,677	$ 5,800
Insurance	$ 9,889	$ 6,526
Database Subscriptions	$ 3,266	$ 9,037
Total Expenditure	$ 220,970	$ 195,743
Total Cost of Products & Services Sold	$ 95,223	$ 77,629
Net Surplus	$ 5,227	$ 30,366

2022-23 Audit - Financial Position

Financial Position	2022/23	2021/22
Assets	$ 590,914	$ 576,006
Liabilities	−$ 48,985	−$ 39,304
Equity	$541,929	$536,702

Notes

* Wages and related costs have risen as we have employed an Events Officer

* Grants & funding income is down this year - last year we received one-off project funding from The Academy of Teaching & Leadership and the DoE.

* Our PD & Conference income has more than doubled since the previous year now Covid restrictions are over. However, the Covid grant money is also no more!!

Funding

This year, DATTA Vic has been fortunate to receive funding/payments from:

- The Strategic Partnership Program
- The Google Educator Fund
- Creative Futures
- Forest Learning
- The National Gallery of Victoria
- Museums Victoria

This has allowed us to run many of our programs for free or at heavily-subsidised rates for members.

2022/23
Committee Members

Thanks to our Outgoing Committee:

President: Travis Burroughs
Vice Presidents: Jill Livett & Zowie Moselen
Treasurer: Michael Essex
Secretary: Joanne Heide

General members: Anthony Gasson, Christopher Simpson, David Payne, Felicity McNamara, Jacinta O'Leary, Michael Gowers, Michael Slinger, Monique Dali, Veena Nair.

Welcome to our Incoming Committee:

President: Zowie Moselen

Vice Presidents: Jill Livett & David Payne

Treasurer: Michael Slinger

Secretary: Joanne Heide

General members: Anthony Bacon, Christopher Simpson, Felicity McNamara, Jacinta O'Leary, Michael Essex, Michael Gowers, Monique Dali, Rianne Burroughs, Veena Nair.

And Finally...Congratuations!

Congratulations to our very own **Veena Nair,** who is the recipient of the *Prime Minister's Award for Excellence in Science Teaching.* Not only is this a fitting tribute to the incredible work that Veena does, but it's also a reflection of the importance of Technologies education.

Thanks for all that you do on behalf of the Technologies and Systems Engineering learning areas, Veena.