



In2 science

A W A R D S 2 0 1 8

Tuesday 20 November

6.30pm – 8.30pm

Melbourne Museum, Carlton





Tonight we will recognise and celebrate the outstanding achievements and outcomes in STEM engagement through the In2science peer mentoring program.

Throughout 2018, In2science has supported STEM education in secondary classrooms across 53 Victorian schools, reaching over 4,470 students.

The most exciting examples from across the program will be highlighted.

SCHEDULE

6.30 Arrival and drinks

6.50 Welcome by:

- Ms Megan Mundy (*Program Director*)
- Hon. Prof John Brumby AO (*In2science Chair*)

7.00 Teacher, School and Student Awards

7.10 Student speech, Mentor Awards, Mentor Speech

7.20 Drinks and canapés

8.30 Close of the 2018 In2science Awards



Elle Frazer

*Essendon Keilor College,
Essendon campus*

2018 was the first year the In2science program placed mentors at Essendon Keilor College, Essendon Campus. Elle has been fundamental to its success by hosting a mentor in both her year 10 classes and bringing students on RMIT campus for STEM activities. Elle made her mentors feel comfortable in the classroom, and gave them guidelines on how to effectively engage students in conversations about their future.

Her mentor Lachlan particularly thanks Elle for teaching him 3 things:

1. Treat students with respect and you will get your respect in return.
2. Pick your battles: some days you're simply not going to get absolutely every student engaged if they don't want to be.
3. Teaching seems like a hard but incredibly rewarding experience.

Kathryn Sobey

Auburn High School



In her role as the In2science link teacher at Auburn High School, Kath has worked with 10 mentors over 2016 to 2018 and has been an exceptionally engaged partner of the program.

Each mentor placed with Kath has acknowledged the deep commitment and conscientiousness she has shown to supporting the mentor's development, to ensure that they are best placed to make an impact on their student mentees. In addition to helping them better navigate the classroom environment, mentors remark that Kath has taught them what it really means to be patient, adaptable, and to truly care about the needs of each individual student.

Kath's commitment to the program further extends to being an In2science mentor herself prior to becoming a teacher, and to volunteering at a 2018 In2science networking event that helped current mentors gain a better insight into teaching careers.

Awarded to a teacher who provided an exceptionally supportive mentoring environment

Maylin Evanochko

Hume Central Secondary College

Maylin has been a fantastic host teacher for 3 In2science placements in 2018 as well as the overall In2science coordinating teacher for the school. She would enable mentors to work with small groups of students and adjusted the term outline to make the best use of mentors' input.

"Maylin was as much of a mentor to me as I was to the students. I would ask her for advice on things that were happening at university for me and also talk to her about career pathways. We often talked about the difficulty that students from low SES areas have in engaging with schoolwork, but we saw that as more motivation to think of new ways to assist them. She was always very thankful to have me around and always had the students best interests in mind" – In2science mentor Jason, Bachelor of Science, The University of Melbourne.

Stevenson Knight

Templestowe College



Steven has been an exceptional class teacher and mentor support across his 4 mentors in 2018. Steven has supported his mentors from day one by providing advice on their presentations and the best way to integrate with his students. Steven has also gone above and beyond to invite mentors to participate in industry networking opportunities at the school as part of National Science Week. Steven has a clear passion and enthusiasm for his students and their learning and has been an amazing support to the In2science program.



Bayside P-12 College

An In2science school since 2016, this year saw Bayside P12 ramp up their involvement in the program as led by link teacher Sam Levy. Mentoring opportunities were offered and supported across 2 campuses in science and maths classes from year 7–10 with classroom teachers Natalie Hammond, Karen Hind, Nicole Smith, Catherine Mason and Jeff Frampton.

Thank you to the passionate science and maths staff at Bayside P12 who encourage and nurture university partnership programs.

Bayswater Secondary College

Bayswater Secondary College first joined the In2science program as a partner school in 2012. Thanks to the fantastic efforts of link teachers Amanda Dales and Jeffrey Harbour, they have worked with 19 mentors since 2015 and 4 mentors in Semester 2, 2018 alone.

Mentors placed at Bayswater SC have had the opportunity to contribute to the school's innovative STEM enrichment and engagement programs, including electronics and coding electives, robotics workshops at KIOSC, and studying creek ecosystems. In addition to Amanda and Jeff, In2science mentors have been welcomed by Bayswater teachers Chris Flynn, Elli Burdan, Joanne Vincent, Peter Osborne, Sarah Anthony, Stuart Hill and Yvonne Edwards.

Awarded to a school community that demonstrated exceptional engagement with the In2science program

Catholic College Wodonga

Catholic College Wodonga (CCW) signed up as an In2science partner school at the end of 2017 as part of their Science Honours program. Seven engaged groups of CCW students participated in the In2science eMentoring program in Semester 1, 2018, providing a valuable opportunity for these regional students to speak directly to a university student via Zoom video conferencing technology over a 10-week period.

Due to the tireless work and organisation of science teacher Andrew McKenzie-McHarg, their first semester in the program was a resounding success. The way in which the CCW community embraced the program was exceptional and has been showcased in two recent eMentoring videos.

Epping Secondary College

Epping Secondary College has been an active and committed partner with the In2science program since 2009. The school has consistently provided In2science mentors with classrooms that have allowed them to really explore mentoring in a supportive and encouraging environment, demonstrated by classroom teachers Sam Holt and Sarah Sharpley in 2018.

Hume Central Secondary College



Hume Central Secondary College has hosted 10 In2science mentors in 2018 across all 3 of their campuses: Blair St Campus, Dimboola Rd Campus and Town Park Campus. This was made possible through the superb coordination, passion and leadership of Science Coordinator Maylin Evanochko and team.

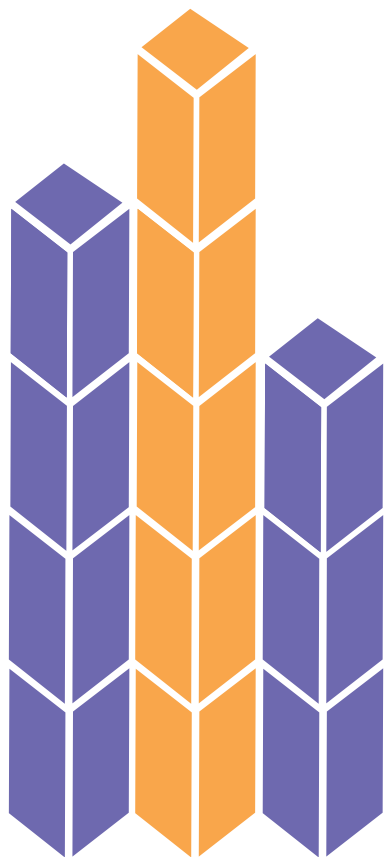
Host teachers include Chris Breen, Teresa Eva, Michelle Garvan and Johny Varkey. The school has provided an excellent supportive environment for mentoring since 2016.

**"WHILE I WAS IN THE CLASSROOM
I WAS WELCOMED AND ENCOURAGED
TO CONTRIBUTE IN A VARIETY OF WAYS."**

In2science mentor, Hume Central Secondary College

OUTSTANDING MENTEE STUDENT AWARD

Awarded to a student who demonstrated exceptional engagement with their In2science mentor and studies



Annabel Martinac

Galen Catholic College, Wangaratta



Erin, Annabel's eMentor, says "Annabel is one of the brightest 15-year-olds I have met and she taught me as much as I taught her. She always brought interesting things to every session for us to discuss and I learnt something new every week. She had an unabashed curiosity about everything."

Arielle Roberts

Templestowe College

Arielle actively engaged in the In2science program through two of her classes in 2018. Arielle really opened herself up to the mentoring aspect of the program and extended her knowledge beyond classroom learning and into future career planning.

Charlie Stockbridge

Auburn High School

Charlie has worked consistently to improve in every aspect of maths and has taken every opportunity he can to work with his mentor Nick. He consistently seeks new learning and does not stop until he understands a concept fully – all characteristics of an excellent mathematician.

Jude Dadis

Caroline Chisholm Catholic College

Jude has thrived at his Maths output since working with mentor Vinh. He has been asking questions, engaging with content in class and has worked on challenging problems that Vinh had created. Jude was able to follow through with Vinh's extension work and in turn help others with peer to peer teaching.

Sapir Triffon

Glen Eira College



Sapir welcomed her In2science mentor, Lauren, to class from the start, working consistently with her, asking questions and seeking assistance. Sapir enjoyed hearing Lauren's path to studying science and is now considering a future in STEM more strongly.

THANK YOU TO OUR PARTNER SCHOOLS

Altona P-9 College

Antonine College

Auburn High School

Bayside P-12 College

Bayswater Secondary College

Brunswick Secondary College

Bundoora Secondary College

Camperdown Secondary College

Caroline Chisholm Catholic College

Catholic College, Wodonga

Collingwood College

Copperfield College

Dandenong High School

Doveton College

Eaglehawk Secondary College

Emmanuel College, Warrnambool

Epping Secondary College

Essendon East Keilor District College

Footscray City College

Forest Hill College

Galen Catholic College

Glen Eira College

Glenroy Secondary College

Hume Central Secondary College

Keysborough Secondary College

Laverton P-12 College

Maffra Secondary College

Maribyrnong College

Maribyrnong Secondary College

Mercy College

Mill Park Secondary College

Mount Alexander 7-12 College

Mount Alexander College

Notre Dame College

Pascoe Vale Girls Secondary College

Reservoir High School

Rosehill Secondary College

Rowville Secondary College

Roxburgh College

Sacred Heart College, Yarrowonga

Simonds Catholic College

St Albans Secondary College

St Joseph's College Ferntree Gully

Templestowe College

The Huddle

The Lakes South Morang P-9 School

Thomastown Secondary College

Wantirna College

Wellington Secondary College

Werribee Secondary College

Westall Secondary College

William Ruthven Secondary College

Metro Schools



Regional Schools





Dionne Argyropoulos

*The University of Melbourne,
Masters of Science (BioSciences)*

Mentored Year 8 and 9 Science
(Solutions in Science),
Templestowe College

Dionne has acted as a guest speaker, classroom teacher, mentor, support person and STEM supporter to the students in the classroom. She has provided students with a thorough understanding of careers in STEM, university life as well as effective study techniques and note taking.

Before every session, Dionne created a series of informative PowerPoint presentations on the class topic. She would bring in her personal knowledge and expertise and discuss the relevance of STEM in different career pathways. During class, Dionne would spend the time with each and every student to help clarify their understanding of the content being taught. At the end of every lesson, Dionne would ask the students to write down a question about science or the current content, and the questions would form the basis of her next PowerPoint presentation.

“Dionne provided excellent communication with myself, and would seek feedback at the end of every lesson to see where she could further engage the students. It was clear that she spent a large amount of her personal time trying to increase student engagement in the STEM field.” – Steven Knight, host teacher

Lily Kenchington-Evans

*La Trobe University,
Bachelor of Science*

Mentored Year 10 Science
(Human Biology and Disease),
Reservoir High School

Lily's current studies in Genetics and Biochemistry provided a great foundation for the Human Biology and Disease class. Lily sourced resources and presented key concepts to students in a very clear and inspiring way including presenting some of her current research. Lily is positive and knowledgeable and the students have thoroughly enjoyed having her in the class. Lily has been an outstanding mentor who has been an excellent role model for the students. Her passion for science is clear every time she speaks to the students, she has developed an amazing rapport in such a short period of time.

Awarded to a university mentor who was an outstanding role model for their student mentees

Nicholas Robinson

*Swinburne University,
Bachelor of Health Science*

Mentored Year 7 Maths,
Auburn High School

Nick has been a brilliant role model for students in his year 7 Maths class. He worked one-on-one to both extend high-achieving students and support those who were struggling with the content. In doing so, he showed great kindness and dedication, which students have responded incredibly well to. He understands the importance of gaining students' trust and has been fantastic at using relationships to move students forward in their learning. In addition to mentoring students in class, Nick has also been working with the school's robotics club and has been a key leader in helping students with their Australian STEM Video Game Challenge projects. Undertaking his third placement as an In2science mentor, Nick has become increasingly engaged in education and has recently decided to become a teacher after completing his biotechnology major, with a focus on working with students from disadvantaged backgrounds.

Saumaya Fernando

*RMIT University,
Bachelor of Engineering (Chemical
Engineering (Honours)) / Bachelor of
Pharmaceutical Sciences*

Mentored Year 10 Science,
Pascoe Vale Girls College

Saumaya came into the In2science program with a clear goal: to inspire and mentor young women in STEM in the school she herself graduated from, Pascoe Vale Girls College. Her drive to make a difference and be a role model to young women meant Saumaya was immediately able to relate to her year 10 science class, and be a force for a positive growth mindset towards science and STEM in general. Saumaya went above and beyond to help with every student in class, checking on their progress each week, assisting one on one, and working with students to explain practical work. She talked to students about future university courses, made note of which courses they were interested in and researched those degrees providing her teacher with information to pass along to the girls, assisting them in their subject choices for VCE.





Hayden Dalton

*The University of Melbourne,
PhD (Geology)*

Mentored Pre VCE Chemistry,
Mount Alexander College

Throughout 2018 including between semesters, Hayden has been a strong leader and support for his In2science class. Hayden impacted on the students who were most disengaged by turning their mindset around and building their confidence. Through probing questions and interest in them as people, Hayden has personally assisted students as well as giving presentations on his PhD research and leading discussions.

“Hayden has been so flexible and understanding of the everyday challenges which come with teaching as well as having an incredibly positive impact on a number of students”
– Host teacher Nicole Dobson.

Jett Osborne

*RMIT University,
Bachelor of Biomedical Science*

Mentored Year 9 Science,
Caroline Chisholm Catholic College

Jett has dedicated himself to mentoring students face to face and online in 2018. While mentoring an all boys class at Caroline Chisholm Catholic College, Jett worked tirelessly with the young men to bring real world examples of science into the classroom. Jett organised and ran a hands on workshop which according to their teacher, they really loved: “Jett was a welcome addition to the class and significantly improved engagement and learning”. Coming from a regional background Jett was drawn to online mentoring, and in second semester was placed with a student from Yarrawonga. Through his online mentoring he was able to guide his mentee through University program choices, and the challenges of moving away from home.

Awarded to a university mentor who made an exceptionally positive impact in engaging students in science or maths

Lily Martin

*Swinburne University,
Bachelor of Science (Professional)*

Mentored Year 9 Maths,
Auburn High School

In the words of her school host teacher, “I have never seen such a strong example for young women in STEM as Lily. She had our students all wanting to sign up to physics degrees in the first 10 minutes of her being in the class.” Lily was an outstanding mentor, working with every single student, irrespective of their existing enthusiasm for maths, and treating each student with utmost respect. She modelled exemplary attitudes to maths for her students, especially the importance of a growth mindset, in addition to showing confidence, curiosity and kindness that motivated her students to do likewise. By mentoring the class both semesters of 2018, and taking on a leadership role in the class in Semester 2, she was able to form impactful relationships with both students and teacher alike.



Paige van der Poll

*La Trobe University,
Bachelor of Biomedical Science*

Mentored Year 9 Science
(English as Additional Language),
Roxburgh College

Mentor Paige has spent the semester working with Year 9 English as an Additional Language (EAL) Science class at Roxburgh College. Paige has been inspiring in the classroom, engaging students in science and careers in science while overcoming the challenges faced with speaking a different language to the students. With the language barrier in mind, Paige worked on devising clear and simple ways in which students could remember scientific terminology. Paige found her placement to be challenging yet rewarding and her ability to persevere made her discover a whole other side to herself.



Artemis Capa

*Swinburne University,
Bachelor of Engineering (Honours)
/Bachelor of Science*

Mentored Year 8 Maths,
Wellington Secondary College

eMentored Year 11 Science student,
Galen Catholic College

Artemis' commitment to In2science spans both in-class mentoring at Wellington SC and being an eMentor for Rutvik, a student at Galen Catholic College in Wangaratta. Her mentoring connection with Rutvik commenced in late 2017, when Artemis was a volunteer from Young Scientists of Australia helping to run the ConocoPhillips Science Experience program at Swinburne. Artemis met Rutvik during the program and Rutvik's teacher encouraged Artemis to become an In2science mentor. Since then, Artemis has been a great inspiration to Rutvik, bringing together her experience across engineering and science with Rutvik's interest in aeronautical engineering.

Artemis will be attending the upcoming National VEX Robotics Championships in Melbourne to give her support to Rutvik and the Galen team.

Emily Fawcett

*RMIT University,
Bachelor of Biomedical Science
(Laboratory Medicine)*

Mentored Year 9 Science,
Mill Park Secondary College

As a biomedical student with a passion for anatomy and physiology Emily thrived while mentoring her year 9 class in body systems. She extended the students by explaining concepts from her lectures and practical classes at university, which led to her developing and delivering a dissection practical with her class.

Emily was dedicated to helping her students with any questions they may have about science and life after school, working with her teacher to deliver a question and answer session at the end of each class. Emily devoted extra time to her placement and made the most of her time with the students.

Awarded to a university mentor who showed exceptional dedication and commitment to the In2science program

Lachlan Doyle



*The University of Melbourne,
Bachelor of Science (Civil Systems)*

Mentored Year 8 Maths,
Footscray City College

As a graduate of Footscray City College, Lachie enthusiastically established relationships with year 8 maths students from his own school throughout 2018. He worked with two teachers over the course of the year, who were both very impressed with Lachie's commitment, connection and flexibility with students. In semester 1, Lachie worked mostly with a small group of extension students where he prepared individual Maths Pathways activities to extend their learning.

In semester 2, Lachie continued to support the extension group but challenged himself to mentor all students in the class by giving mini lessons, reflecting on his own journey from their school into uni and giving inspiring presentations on topics that he loved learning about at uni including a presentation on geology with rock samples that he collected during a field trip.

Martin Yousif

*La Trobe University,
Bachelor of Arts/Bachelor of Science*

Mentored Year 8 Science,
Roxburgh College

Arts / Science student Martin has been a part of the In2science Program since 2017 and just undertaken his third placement. Martin has enthusiastically been involved with the program both in the classroom and in activities with his other mentors. Martin's host teachers and students have all thoroughly enjoyed having him in the classroom and acknowledged his efforts in getting to know and support the students he has worked with over the year. Martin has already committed to the program for 2019, and we look forward to having him on board once again.

ABOVE AND BEYOND MENTOR AWARD

Dalton Nugent

*The University of Melbourne,
Bachelor of Science
(Mathematical Physics)*

Mentored Pre VCE Physics,
Mount Alexander College

Dalton has been a committed mentor to a pre-VCE Physics class at Mount Alexander College throughout all of 2018. This year, Dalton has organised the class to visit The University of Melbourne Physics Museum. He has taken in equipment from his Physics major in the Bachelor of Science to demonstrate quantum field theory. But most of all Dalton has enjoyed presenting some alternative discussions with students to extend their interest in studying Physics. What does Dalton love most about Physics? Well it's the elegance and power of mathematics applied to the natural world. Allowing us to explore our world with pure elegant logic, not influenced by experience or sensation.

Lachlan McPhee

*La Trobe University,
Bachelor of Biomedical Science*

Mentored Pre VCE Biology,
Templestowe College

Described as phenomenal by his placement teacher, and receiving commendations from students in his class, Lachlan was a positive addition to his Pre-VCE Biology class from day one. He demonstrated an ability to be immediately relatable to students and knew all their names by his second class. Lachlan encouraged the students by asking probing questions to help them get the most out of their learning experience.

Lachlan always showed initiative in finding out more about what was going on in class and made an effort to bring in resources on a weekly basis. "Lachlan has changed my attitude to biology, as he made it fun and interesting, as well as linking it back to the everyday world and the impact it has on our lives."



Awarded to a university mentor who showed exceptional initiative in engaging students in science or maths

Lachlan Morris

*Swinburne University,
Bachelor of Engineering
(Civil) (Honours)*

Mentored Year 8 Science,
Rowville Secondary College

Lachlan has taken on the role of an In2science mentor with gusto, working with his teachers to enrich students' learning and connect classroom science and maths to 'real-world' applications. In 2017, this included running a bridge building activity and bringing a detailed model of the human heart into class. In his 2018 placement, Lachlan raised the bar again. In the words of his Rowville SC host teacher: "Lachlan engaged Engineers Without Borders to help host a water filtration exercise that was exceptionally stimulating for all of the kids. Lachlan arranged all of the materials, sought the assistance of a colleague and executed it seamlessly. It was an amazing lesson."

Lachlan also participated in the 2018 In2science Industry-Schools Partnerships Forum, contributing his valuable experiences and insights as a mentor.

Yik Lee

*RMIT University,
Bachelor of Science
(Applied Sciences) (Honours)*

Mentored Year 8 Maths
Glenroy College

In2science was Yik's first exposure to Australian high school classrooms. He was placed with a Year 8 math class at Glenroy College, and threw himself into the experience with dedication and a positive attitude. In his time with the class Yik created three hands on class activities to run in the classroom with the students. Yik was described by his placement teacher as "Encouraging and patient with the students, sitting next to them if need be to help students with their learning and understanding of maths. Yik helped identify a student who has very low literacy levels but a good understanding of maths, this will now help me better cater to this students needs".



Sabrina Erdosy

La Trobe University
Bachelor of Biomedical Science



Mentored Madelaine,
a Year 11 science student from
Sacred Heart College, Yarrowonga

Madelaine, Sabrina's eMentee says "I gained something out of every session I had with Sabrina. She enabled me to gain confidence in not just my STEM studies, but for all of my classes. She achieved this by helping me set goals and objectives to achieve everyday both during classes and outside of school, which meant that I had to step out of my comfort zone and communicate with my teachers and classmates which is something I would usually avoid. Sabrina provided me with advice and support from both her VCE and university journeys which included how to modify my study to be effective for myself and how to balance school, study, work, sport and other extra-curricular activities. The biggest influence Sabrina had on my learning is that she has inspired me to not only continue my STEM journey by meeting new In2Science mentors, but to become a mentor myself in the future."

Wael Farah

Swinburne University,
PhD Astrophysics

Mentored Sarah and Ebony,
Year 9 students from
Galen Catholic College, Wangaratta

In Wael's second eMentoring placement in Semester 1, 2018, he was grouped with two girls with interests in astronomy and physics. Link Teacher Bernadette Albertson says "He totally engaged and inspired our students. They talked about him in such excited voices after each mentoring session. The highlight was when they got to meet him at the Swinburne Science Experience; without his input and passion they would not have had the confidence to attend this amazing STEM Experience. They still talk of Wael and their experiences to this day."

Awarded to a mentor who made an exceptionally positive impact engaging students via In2science's eMentoring Program

Jess Gardner

University of Melbourne,
Master of Science (Biosciences)

Mentored Lucy and Alyce,
Year 10 students from
Galen Catholic College, Wangaratta

In Jess's first eMentoring placement, she worked with two girls who have varied interests in science. Jess was fully committed to the program and was in constant communication with her students and Link Teacher, Bernadette Albertson.

Bernadette nominated Jess "due to her enthusiasm and passion throughout their sessions." Jess spent considerable time with Lucy and Alyce providing detailed notes on study techniques which will no doubt prove invaluable as they head into their VCE years.

Chloe Stuart

RMIT University,
Bachelor of Environmental Science

Mentored Hayley,
a Year 9 student from
Camperdown College

As a young woman on the Autism spectrum, Chloe has been mentoring other young people on the spectrum for the past three years. This has fostered a passion for inspiring other young people about things that matter – a perfect match for In2science!

For Chloe's first placement in Semester 2, 2018, she was matched with Hayley, a girl who shares her passion for marine biology. After their first session, Link Teacher Fiona Crowle shared "Hayley came out of her session with Chloe absolutely bubbling with happiness." Chloe threw 100% into eMentoring, often seeking feedback and advice from the In2science team and her fellow eMentors about effective ways to build the mentoring relationship and structure sessions.



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The Selby Scientific Foundation



Partner universities

