

2020 MAWA ANNUAL REPORT





CONTENTS

MAWA 2020 ANNUAL REPORT

Message From the President	4
Reflection From the Executive Officer	5
Student Activities	
Have Sum Fun Face to Face	6
Have Sum Fun Online	7
Maths Talent Quest	8
Maths Active Schools	9
National Mathematics Summer School	10
Maths: Empowering Girls Day	12
WA Mathematics Problem Solving Program	14
Other Reports	
Primary & Secondary Conference	16
Memberships	18
Publications	22
Professional Learning	23
Office Report	24
Our Partners and Sponsors	26
Organisational Structure	27
MAWA Maths Australia Expo	28
Financial Overview	29

MESSAGE FROM THE PRESIDENT

JOHN WEST

I am pleased to report that 2019 was a year of many significant achievements for MAWA. These included the appointment of Paula McMahon as MAWA's new Executive Officer and securing a landmark funding agreement with the Australian Maths Trust (AMT). Our strong financial position also allowed us to rejuvenate our office space (including our distinctive new signage) and invest in the installation of solar panels which have significantly reduced our electricity costs.

MAWA also continued to expand its offerings for teachers, parents and students in 2019. These included the inaugural MAWA Expo in March, the commencement of MAWA's Maths Meets, and the first MAWA Maths Empowering Girls Day in June. The 2019 Primary and Secondary Conference also achieved record attendance, and tickets to Eddie Woo's parent evening sold out more than a month before the event.

Many of MAWA's key student activities also grew significantly in 2019. We added additional venues for the popular Have Sum Fun Face-To-Face Competition and commissioned a new website for the Have Sum Fun Online Competition. The expansion of the Western Australian Mathematics Problem Solving Program to new venues including ECU Joondalup, Bunbury and online resulted in an 80% increase in student enrolments and a corresponding increase in family memberships.

In partnership with AAMT, MAWA has procured an integrated software solution to manage our key operations which will be rolled out in June 2020. Currently our member database, event management, invoices, electronic mailouts, and shop are all maintained in separate software packages resulting in a great deal of unnecessary clerical work for office staff. The new system will allow us to significantly improve the efficiency of our operations.

I'm very proud of what the MAWA team has achieved in the past year. A great deal of the credit belongs to our Corporate Manager - Shannon Taylor, our Executive

Officer - Paula McMahon and Office Associate - Holly Hughes. We were also fortunate to be able to second Brook Johns for six months in order to write a series of investigations and assessments for teachers, which are now available in the MAWA store.

Last but by no means least, I wish to thank the army of volunteers without whom MAWA simply could not do half as much and half as well! Although I cannot hope to thank all of you by name, I would like to extend a special thank you on behalf of MAWA to Sheila Byfield and Neil for managing and moving our library during the office renovations.

I would like to extend my thanks to Greg Hurn for his work as a committee member over the past 25 years. Greg has decided to take a step back for health reasons. His contributions were acknowledged with life membership in 2017. He will be missed from the MAWA community and we wish him well in his future endeavours.



John West
President

REFLECTION FROM THE EXECUTIVE OFFICER

PAULA MCMAHON

2019 was a year of change and a year of firsts for MAWA.

At the start of the year I started as the Executive Officer after spending 26 years with the Department of Education as a teacher and Head of Learning Area.

After an internal review we undertook to renew our corporate identity, branding and update the office. As a result of this we now have a coordinated brand and colour scheme when we are delivering professional learning and exhibiting at network, state and interstate conferences. Our new tagline 'For Teachers, For Students, For Parents, For WA' is proudly displayed at the office. One outcome of this work is before you in the design and branding of this annual report. I must thank the incredible work of our Corporate Manager in overseeing this work.

We also have worked on a major IT infrastructure upgrade. The first evidence of this is our new Have Sum Fun Online website and competition platform. During 2019 considerable time has been spent working towards the other IT upgrade with a new client management system, website, shop and conference module. We are anticipating the launch of this in June 2020.

In addition to these changes our problem solving program WAMPSP underwent a massive change with us offering one course online for the first time. We are excited to see the program increase from one venue to three different venues, including Bunbury, and to three online courses being offered. Our numbers in the program have increased from 262 in 2019 to 369 in 2020.

During 2019 we also formalised memorandums of understanding with a variety of new companies and universities. All of these companies or universities have supported our events for members and allowed us to minimise the costs to schools, students and families. We are very grateful to The Australian Maths Trust who have provided substantial support, financially and in-kind, for WAMPSP. This allowed us to reduce the cost to parents

by about \$50 per child.

The number of events and professional learning sessions offered in 2019 is in excess of 180 and this number will grow during 2020. Without the amazing MAWA office staff, committee, life members and volunteers many of these events would not be possible.

I am very fortunate to lead a wonderful staff and cannot thank them enough for all they have done to help the Association work towards its mission. Unlike some of our eastern states association that have numerous staff and professional learning officers all of our work is achieved with a staff of four!

Finally, I must acknowledge the many individuals whose faces are unknown but their contribution is massive, these include: Have Sum Fun Face-to-Face coordinators, MCs, supervising teachers and markers, Maths Talent Quest markers and judges, HSFOL checkers, MAWA Maths Meet special guests, Maths: Empowering Girls Day speed daters, workshop providers, university guides and keynote speakers, conference bag preparers, National Maths Summer School committee members, Maths Pathways speakers, sharers on social media, proof readers, authors and lastly our amazing members.



Paula McMahon
Executive Officer

STUDENT ACTIVITIES

HAVE SUM FUN FACE TO FACE

JACK BANA

The four competitions in 2019 were held in Term 1 for Years 5-6, 7-8, 9-10, and 11-12. We are most grateful for the following 10 schools that provided the venues and hosted all the competitions: Bunbury Catholic College (held 4 competitions); Aranmore Catholic College (2); Trinity College (2); All Saints College; East Waikiki PS; Hale School; Penrhos College; Rockingham SHS; St Paul's PS Karratha; and Woodvale College. Eight of these were also venues in previous years, but two were involved for the first time.

The numbers of teams registered were as follows: Years 5-6, 55; Years 7-8, 99; Years 9-10, 91; and Years 11-12, 80. This was a total of 325 teams, which was 18 more teams than participated in 2018.



YEARS 5 - 6 COMPETITION, PEEL REGION



YEARS 7 - 8 COMPETITION, TRINITY COLLEGE



YEARS 9 - 10 COMPETITION, WOODVALE SECONDARY COLLEGE



YEARS 11 - 12 COMPETITION, BUNBURY CATHOLIC COLLEGE

STUDENT ACTIVITIES

HAVE SUM FUN ONLINE

JACK BANA

There were no changes from 2018 re the number of competitions, which were held as follows: Term 1, Years 5-6; Term 2, Years 5-10; Term 3, Years 3-10; and Term 4, Years 7-8. This amounted to 20 separate team competitions, each with a total of 30 problems in three rounds, and with a balanced representation of the curriculum.

Due to the significant cost and the limited scope of the website managed by Websmart, it was decided to contract Comfusion to prepare a new and more comprehensive website for 2020 to manage HSFOL. This was decided in order to save considerable office time, and to be much less costly in the long run.

The majority of teams were from WA, but there were also some teams from the eastern states. In 2019 there was a pleasing increase in the number of registrations, rising from 1137 teams in 2018 to 1196 teams in 2019.

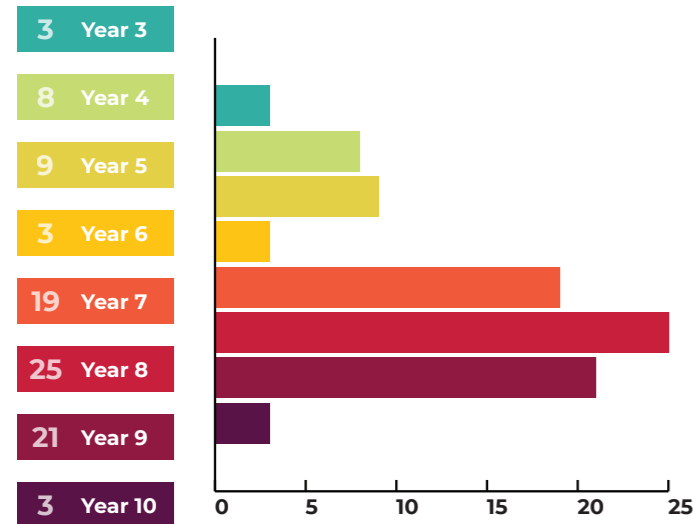
NEW HAVE SOME FUN ONLINE CERTIFICATES

STUDENT ACTIVITIES

MATHS TALENT QUEST

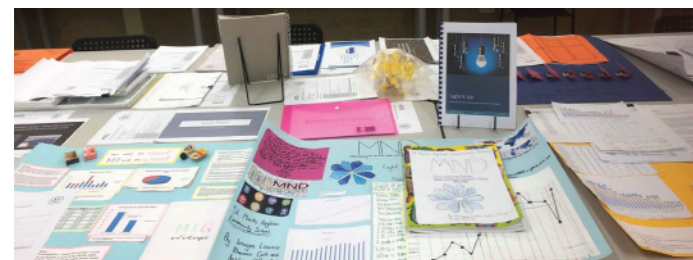
RACHAEL WHITNEY-SMITH AND DONNA BUCKLEY

It was very pleasing to see an increase in the number of entries for the WA Maths Talent Quest. In 2019 we had 91 entries. We had entries from all years from Year 3 to Year 10. The breakdown is below:



ENTRIES INTO MTQ BY YEAR LEVEL (2019)

We would like to thank the many teachers who provide this opportunity to their students. MAWA would like to thank all the schools who provided judges. Sharon Schubert represented WA at the National Maths Talent Quest as a judge. We thank her for many years of involvement in this competition and know that her experience will be invaluable as we move to host the 2020 National Maths Talent Quest judging in Perth. Angela Kelly and her ECU Secondary Mathematics students attended as judges and comments including 'what a valuable look into some of the work being done by students in schools.'



SOME MTQ ENTRIES

2019 RESULTS:

30 Participations, 26 Credits, 20 Distinctions and 15 High Distinctions.

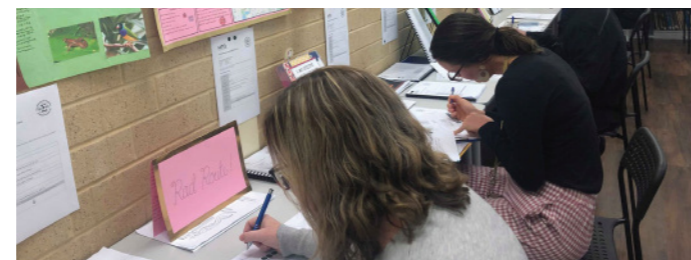


2019 MTQ RESULTS

St Hilda's Anglican Girls School was the top school in 2019.



St Hilda's
ANGLICAN SCHOOL FOR GIRLS



MTQ JUDGES

STUDENT ACTIVITIES

MATHS ACTIVE SCHOOLS

PAULA MCMAHON

The Maths Active School Program enables schools to demonstrate that they actively extend students and teachers beyond the normal mathematics classroom. Congratulations to the teachers within the schools who achieved Maths Active Schools status in 2019.



Woodvale Secondary College
John Curtin College of the Arts



Prendiville Catholic College
Rossmoyne Senior High School
Shenton College
Ellenbrook Secondary College



Carine Senior High School
Rockingham Senior High School
Canning Vale College
Como Secondary College
Leeming Senior High School
Churchlands Senior High School
Rockingham Beach Primary School

STUDENT ACTIVITIES

NATIONAL MATHEMATICS SUMMER SCHOOL

PAUL BROWN



SELECTED STUDENTS WITH PAUL BROWN AND JACK BANA

Half-a-dozen of our best Year 11 students are selected for the National Mathematics Summer School each year. A particularly strong contingent was identified for the January 2020 event. The students attended an Orientation event at Curtin University which was addressed by MAWA President Dr John West, MAWA Student Activities Officer Dr Jack Bana and Invited Speaker Mr David Stekete, (UWA student & employee of Stellar Burst Energy & executive committee member of Robogals Perth).

The students representing WA were Chris Leak (Perth Modern School) who received the Larry Blakers

Scholarship, Eleanor Barnett (Albany Senior High School) who received the Larry Blakers Country Student Award, Krishnamenaka "Menu" Gamage, (Penrhos College), Renee Rudianto (Penrhos College), Micah Sinclair (Perth Modern School) and Ruiying Wu (St Hilda's Anglican School For Girls).

Unfortunately, bushfire danger necessitated revision of plans for what is normally a two-week summer school. This year, a much-reduced program had to be held in Melbourne instead of the usual location in Canberra.

The response of Eleanor Barnett (an ACEMS scholarship recipient) gives some insight into how the event was received:

"NMSS was absolutely amazing!! It gave me so much insight into maths, friends, and life after highschool. Even though it was shortened and relocated it was still one of the best experiences I've had. ... I will definitely be recommending it to more Albany students. :)"

And these comments from Micah Sinclair:

"NMSS 2020 was an incredible and eye-opening experience for me. I enjoyed being able to explore areas of mathematics that I had never considered before, and connecting with like-minded students and tutors from all across Australia. I would greatly recommend applying for NMSS 2021. My own NMSS experience is something that I'm never going to forget."

Western Australian students have for several years been well-represented in the "Experienced Group" of students recalled the following year to support the new students. This gives an indication of the calibre of WA students who are selected for the NMSS.

One member of the Experienced Group in January 2020 was Reef Kitaeff. His comments:

"I really enjoyed the camp! Sure, it was only one week long, but we still got to study combinatorial game theory and symmetry & pattern groups. The mathematics was incredible and beautiful! The journey of discovering the mathematics was brilliant! I got stuck for quite a while on understanding the maths. But after persisting for many days, things began to click! I really hold that experience quite close to me."

A large committee supports the National Mathematics Summer School in Western Australia. In 2020 the Convenor is Mark White, with committee members Paul Brown, Ian Hailes, Anjelica Mallis, Paul Presser, Blake Segler, Janine Smallbone, Rachel Theunissen and Megan West. After a decade of service, Mahendra Vaswani has resigned from the committee and is to be greatly thanked for his considerable work.



GETTING TO KNOW YOU ACTIVITY



ORIENTATION ADDRESS BY DAVID STEKETEE

STUDENT ACTIVITIES

MATHS: EMPOWERING GIRLS DAY

PAULA MCMAHON



MATHS EMPOWERING GIRLS DAY

The Maths Empowering Girls Day was a massive success in 2019. Sponsorship from School of Education Edith Cowan University, Penrhos College, Texas Instruments and Spudshed ensured that the cost to schools was kept to a minimum. The focus of the day was to engage Year 9 girls with university and industry professionals involved in STEM or mathematics. The girls participated in two hands-on workshops followed by speed dating with a professional or university student.

Penrhos Year 12 Maths Mentor Captains Harini and Eloise introduced the day by explaining the history of this day. Our keynote speakers Shelley Kalms, Chief Digital Officer, Woodside Energy Ltd and Leading Seaman Cristy Hazelman, RAN Electronics Technician provided an insight to how mathematics is used in their careers.

The overall feedback was very positive and it included some valuable suggestions for improvements for 2020.

Year 9 Student Comment: *The speech that stuck in my head the most was from Cristy, from the Royal Australian Navy. It gave me a sense to step outside my comfort zone and try something new. It reminded me to persevere through and that some memories and experiences you just can't buy. Quote of the day ... 'Be Brave, not Perfect'.*

Teacher Comment: *This event created an inspirational spark for many students and reinforced the message provided at school where students need to aim for their personal best.*

We would like to thank the many volunteers who made the day a huge success.



MEG DAY SPEAKERS



245
YEAR 9 GIRLS



19
SCHOOLS



12
WORKSHOPS



24
SPEED DATERS



TOODYAY DHS - TI SPONSORSHIP WINNERS



AUSTRALIND SHS



SPONSORS AND PARTNERS - TEXAS INSTRUMENTS, PENRHOS COLLEGE, EDITH COWAN UNIVERSITY

STUDENT ACTIVITIES

WA MATHEMATICS PROBLEM SOLVING PROGRAM

ROM CIRILLO



WAMPSP BADGE PRESENTATION

In 2019, the enrolment in the WAMPS program increased by 23% over the 2018 numbers. 2019 was the beginning of a planned program of expansion of the WAMPS program in line with a perceived growing interest and need within the student and parent population, for this sort of program.

Support for the program reflects growing community awareness of the Program and of the need for Problem Solving, STEM and C21st skills-development-type programs. It is pleasing to be able to report that an even higher percentage increase is expected for 2020, with face-to-face classes established at ECU Joondalup and Bunbury in addition to the ones held at UWA. The expansion of the number of online courses from one in 2019 to an anticipated three courses in 2020.

Our sincere appreciation goes to all the teachers and to Paula McMahon and the office staff for the extra work undertaken to revise the Moodle online system and streamline the communication and administration procedures that has allowed for further expansion in 2020 (and hopefully, further in the future).

We would also like to acknowledge the generous financial support provided by the Australian Mathematics Trust (AMT) which was very helpful in establishing the first online courses midway through 2019. For 2020, AMT sponsorship has not only aided the expansion of the program, but also allowed for a reduction in fees and funded five student scholarships for worthy students that would otherwise not have been able to access our Program.

WAMPSP BADGE PRESENTATION 4 - 5 YEAR STUDENTS



The tables below provide more details on enrolment trend and show performance data for 2019. These can be turned into info graphics as needed.

It was pleasing that Professor Cheryl Praeger (our Patron) was available to present the awards in the Mathematics Challenge Competition to WAMPSP students in August 2019.

In July 2019 a WAMPSP Badge Presentation ceremony was held to award 4-year and 5-year badges to past students who were participants in the program for 4 or 5 years. This event was well attended and Dr Norm Hoffman, WAMPSP Founder and Director, and Professor Cheryl Praeger, presented the badges. During this event Dr John West,

MAWA President, announced the establishment of two WAMPSP scholarships named after Dr Norm Hoffman.

MAWA is pleased to be running this student activity (in partnership with AMT) and would encourage all members to promote its existence and merit within schools – especially within Primary schools where it is perhaps much less known about.

**AUSTRALIAN
MATHS TRUST**

SPONSOR AND PARTNER - AMT -
AUSTRALIAN MATHS TRUST

PRIMARY & SECONDARY CONFERENCE

WENDY PERO AND PAULA MCMAHON

The 2019 Primary and Secondary Conference was without doubt one of our most successful. The vibe at the Crown throughout the three days was fantastic. Congratulations to Wendy, Lesley and Trish for all of the hard work and advice. Also, Shannon and Holly did an amazing job handling the administration side of the event. Thank you to the committee members and life members that helped out at the registration desk on the Monday and Tuesday. In 2019 I attended the AAMT and MAV conference and ours is by far the best in the country with regard to professionalism, program, organisation, catering, venue and value for money.

We had the conference booklet printed professionally and it looked fantastic and saved time for the office staff. It did cost more than expected however, as there were eight extra pages which was mainly paid for by advertisements. Exhibitors requested we implement a passport, and this proved successful and went without too many hiccups. Once again this was professionally printed. As it had delegates names and email addresses that we were able to add to our overall contacts database.

All feedback has been typed and sent to presenters. This is a massive job and was completed by our work placement student. The conference feedback will be shared at the next conference subcommittee meeting.

The networking sundowners were very well attended. Thanks to Think Square and Maths Mate for running activities during these.

For the first time we ran a parent presentation "An evening with Eddie Woo". This proved very popular, even though it made for a very long day for the MAWA staff. We will continue to investigate options like this.

Now for the numbers:

Number of delegates over the three days: **Monday 516, Tuesday 432 and Wednesday 137**

Number of exhibitors: 34

Number of parents and students at 'An evening with Eddie Woo' – just over 600 people.

Surplus ~ \$7000

Looking forward to 2020:

- We will ask people to BYO their water bottle in our push for sustainability. We will sell MAWA ones for \$5 for those who forget.
- Incorporate numeracy workshops into the two days and revert back to just a HoLA day. Repeat sessions to be considered.
- We will need to ensure that presenters leave time in their presentation for feedback forms to be completed.
- We will work towards the MAV model of not paying keynote professional fees, but just all of their travel, accommodation and catering costs. Likely to be to a maximum of \$4000 per keynote. This year the costs were more than double that amount.
- Working on finalising keynote speakers for 2020 and have a tentative agreement with James Tanton for 2021.
- Less admin time processing invoices etc due to new CMS system.



PSC - MATH MATE SUNDOWNER

MAWA STAND



EXHIBITION HALL

MEMBERSHIPS

RACHAEL WHITNEY-SMITH AND DION ALFONZI

2019 saw an increase in overall membership levels. This was achieved by several campaigns targeting new members and highlighting the services MAWA offers, especially in the university student members. We introduced a family membership at a cost of \$45 per family. One of the main benefits for families is a 10% discount on all products in the MAWA shop and \$90 reduction for WAMPSP registration fees.

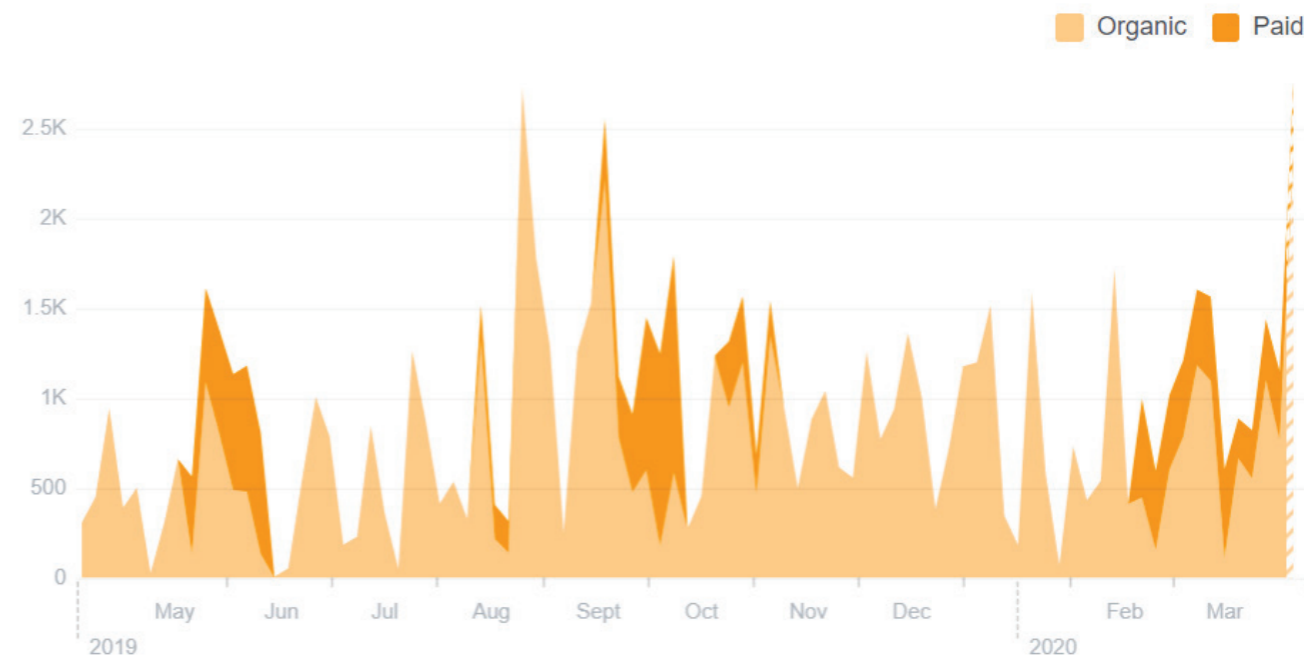
Mawa Memberships	Individual	Student	Institutional	Life	Exhibitor / Business	Family	Reciprocal	Total
2019 - 2020	148	469	187	20	3	230	1	1057

MEMBERSHIP DATA 2019



PERCENT INCREASES IN TYPES OF MEMBERSHIPS AND OVERALL MEMBERSHIPS

Over the past 12 months we have had a steady increase in our presence and engagement with the community through our social media platforms of Face Book, Twitter and Instagram, with noticeable spikes in the engagement with the FB page (as seen below) over this duration.



POST REACH ON FACEBOOK (MAY 2019 - MARCH 2020)
THE NUMBER OF PEOPLE WHO SAW ANY OF YOUR POSTS AT LEAST ONCE (ESTIMATED)

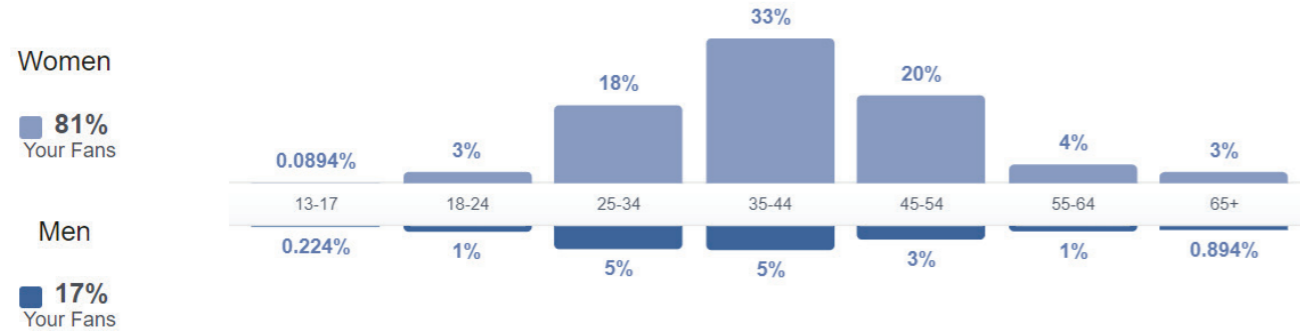
MAWA has also established a Face Book partnership with Network Teach and IETPL during 2019. The unprecedented event of the Corona Virus has impacted upon our organic reach over the last week of March with several posts having a huge reach (one in particularly reached over 16 thousand people).



POST REACH ON FACEBOOK (FEBRUARY 26 - MARCH 23 2020)
THE NUMBER OF PEOPLE WHO SAW ANY OF YOUR POSTS AT LEAST ONCE (ESTIMATED)

The breakdown of our FB fans viewing MAWA posts is as follows;

The number of people who saw any of your posts at least once, grouped by age and gender. Aggregated demographic data is based on a number of factors, including the age and gender information that users provide in their Facebook profiles. This number is an estimate.



POST REACH ON FACEBOOK - AGGREGATED DEMOGRAPHIC DATA

Interestingly the country of origin for MAWA FB fans is as follows;

Country	Your Fans	City	Your Fans	Language	Your Fans
Australia	2,064	Perth, Western Australi...	1,647	English (US)	1,300
United States of America	17	Melbourne, Victoria, Au...	46	English (UK)	889
Philippines	12	Sydney, New South W...	38	Macedonian	8
Macedonia	10	Adelaide, South Austral...	35	Arabic	6
South Sudan	10	Bunbury, Western Aust...	33	Turkish	5
India	10	Mandurah, Western Au...	21	Spanish	3
Pakistan	10	Brisbane, Queensland, ...	14	Italian	2
United Kingdom	9	Kalgoorlie, Western Au...	13	Indonesian	2
Egypt	5	Albany, Western Austra...	13	English (Pirate)	2
Malaysia	5	Busselton, Western Au...	13	French (France)	2

POST REACH ON FACEBOOK - AGGREGATED DEMOGRAPHIC DATA

Our total page likes have increased steadily over the past 12 months totalling as of 25 March 2020, 2 245 people.



MAWA is pleased that the small very active group that engage with the MAWA Book Club continued to meet in 2019. They even had a face-to-face meeting with the author of Humble Pie from England. MAWA Maths Meets were a new initiative for maths educators in 2019. Maths Meets are an informal opportunity to network with other mathematics educators. We would like to thank Paul Swan, Alan Sadler and Jack Bana for being the special guests at these events.

MAWA has continued its partnership with Parents Paper 'Kids in Perth', giving us a monthly article and advertising in both the printed and online medium. During the conference we were able to use the messaging through the Cvent app, this proved very successful in keeping delegates informed.

Looking forward to 2020 for us shows great promise with the designing and installation of a new central management system (CMS). This will allow MAWA to deliver information to the targeted audience and allow schools to enrol all staff members for under their institutional membership. This CMS is be designed in partnership with The Association of Mathematics Teachers. We will need to work towards ensuring that our university student members become concessional members once they complete their degree.



SOME MATHS MEET ATTENDEES



YEARS 9 - 10 COMPETITION, WOODVALE SECONDARY COLLEGE

YEARS 11 - 12 COMPETITION, BUNBURY CATHOLIC COLLEGE

PUBLICATIONS

GREG HURN

2019 was a busy year for publications. To support the development of new publications, particularly in developing assessment materials, we were able to employ on short term contract a professional officer to write materials.

Some of the new materials include:

- A support guide for the 60 Mathematical Investigations, this includes mapping the investigations to the Australian Curriculum and Maths 300.
- 16 new assessments for Year 11 or Year 12 Essential. Each has a detailed marking rubric and solutions.
- 10 new assessments for Year 11 and Year 12 Foundations. Each with detailed marking rubric and solutions.
- Developed a day PL course on writing ATAR investigations.
- Extensive resource review of maths games for students.

During the year we have reduced our stocks of out-of-date materials. However, we have kept electronic copies of all in the hope that future resources can be modelled on these. We have also moved to source printing our materials within Australia.

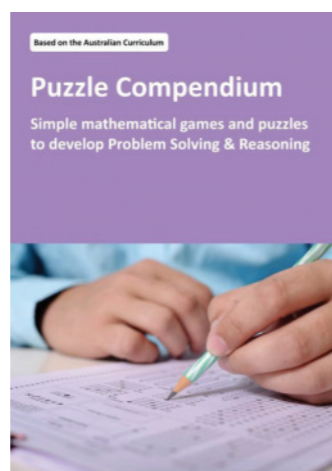
Our aim for 2020 is to increase our resources in the early childhood area and creating videos to support teachers, students and families.



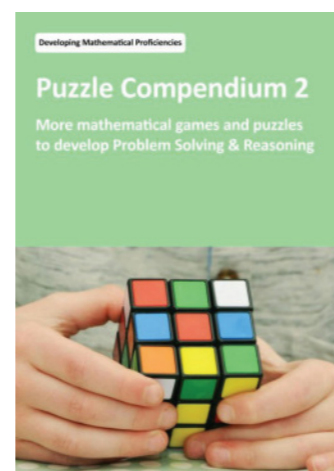
60 MATHEMATICAL INVESTIGATIONS - SUPPORT GUIDE



ESSENTIAL ASSESSMENT STATISTICAL INVESTIGATION



PUZZLE COMPENDIUM



PUZZLE COMPENDIUM 2

PROFESSIONAL LEARNING

PAULA MCMAHON

2019 saw a substantial growth in the area of professional learning. A wide variety of professional learning workshops were conducted addressing all aspects of our membership. This included providing sessional lecturing for University of Notre Dame, teacher workshops held in the MAWA office, schools and school networks, parent workshops and student activity workshops. We offered a limited number of professional learning sessions via zoom to country teachers.

All professional learning in 2019 was delivered by the MAWA Executive Officer or a member of the MAWA committee. We used an outside consultant to deliver sessions at Christmas and Cocos Island whilst she was there on holidays. Two sessions were delivered at the MAWA office by this consultant.

We provided professional consultancy to one school in the metropolitan area.

I attended four conferences in 2019; AAMT, MERGA, MAV and ACU. I also attended 11 professional learning sessions conducted by other presenters. At each of these I was provided with the opportunity to share the services that MAWA offers.

Statistics:



57 sessions at University of Notre Dame,



40 PL workshops,



6 student workshops,



12 parent workshops or information sessions,



6 PL sessions with networks.



TEACHERS, PARENTS AND STUDENTS AT WORKSHOPS.

OFFICE REPORT

SHANNON TAYLOR

The MAWA office has experienced a lot of growth over recent years and 2019 did not disappoint. The year kicked off with an office rebranding and facelift, with the carpet being replaced by timber-look vinyl, the addition of indoor plants, a reception area complete with a nook for visitors to sit and view our resources and the outside signage was replaced by new “MAWA green” signage that showcases all we do for the mathematics community. The changes certainly brought a new vibrancy to the office environment.

The first half of the year saw some new initiatives rolled out with the expansion of some existing activities/events. We hosted our very first Mathematics Expo at the Crown Convention Centre which was a huge success. We saw over 200 families visit the expo throughout the day and offered us the opportunity to share our passion for mathematics through gameplay and interactive resources. We were well supported by our exhibitors, particularly Maths Australia who were our gold sponsors for the event.

We continued with our Mathematics Pathways Evening, expanding our offerings both north and south this year. A special thanks to our venue sponsors Edith Cowan University and Murdoch University.

We also introduced MAWA Maths Meets which have proven to be a hit. We will continue to offer these meets in subsequent years and will look at ways to improve our advertising reach.

We started working on our Regional Ambassadors initiative to be rolled out in 2020. We have recruited two teachers who we know are going to do a wonderful job promoting MAWA and our activities and events within their regions. Robert Berwick is our regional ambassador for the Great Southern Region and Donna Christophers is our regional ambassador for the Pilbara Region. We are working toward filling all ambassador roles for the remaining regions by the end of 2020.

Our annual conference saw several firsts for MAWA which included the opportunity for delegates to purchase Eddie Woo’s books throughout the conference, have them signed and even have a photo with him. This was a successful addition with his books selling out early on the Tuesday.

We also introduced sponsored sundowners and managed to fill two of the three days with Math Mate hosting a game-show styled competition on the Monday and Think Square teasing the minds of delegates who attended on Wednesday. It was great to see so many delegates getting involved on both days and supporting our sundowner sponsors.

It was also the first time we have run a parent and student session alongside our conference, and it was received exceptionally well with over 600 guests for our “Evening with Eddie Woo”. Again Eddie’s books were available for purchase and signing with many people super excited to have a photo with the man himself.

The latter half of the year we looked at the expansion of the various activities and events we run, what that may look like and the risks involved. We also brainstormed a few new initiatives that we could introduce in 2020, the first being our quarterly Classroom Corner and Family Focus sessions.

All in all, the growth in the past year for MAWA is evident in our expansions and new initiatives delivered by a very small and hardworking team of staff and our wonderful volunteers who happily put their hand up to help year after year, in particular Sheila Byfield who is a MAWA Life Member. Thanks to everyone for their hard work. Looking forward to 2020 and having another stellar year!



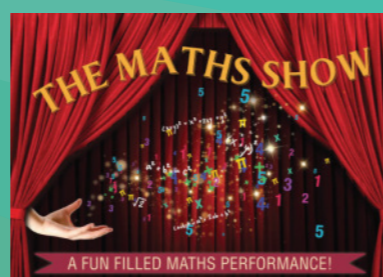
OFFICE REBRANDING & FACELIFT - NEW TIMBER-LOOK VINYL, INDOOR PLANTS AND VISITOR NOOK



OFFICE REBRANDING & FACELIFT - NEW “MAWA GREEN” SIGNAGE



OUR PARTNERS AND SPONSORS



ORGANISATIONAL STRUCTURE

COMMITTEE & ASSOCIATION STAFF

COMMITTEE

Position:	Name:
President	John West
Treasurer	Rom Cirillo
Publications	Greg Hurn & John West
Student Activities	Jack Bana & Donna Buckley
Membership & Services	Rachael Whitney-Smith & Dion Alfonsi
Primary & Secondary Conference	Wendy Pero

ASSOCIATION STAFF

Position:	Name:
Executive Officer	Paula McMahon
Corporate Manager	Shannon Taylor
Accounts Adviser	Mario Ravat
Office Associate	Holly Hughes
Web Maintenance & Graphic Design	Leighland Swan

MAWA MATHS AUSTRALIA EXPO

JOHN WEST & PAULA MCMAHON

The MAWA Maths Australia Expo was a huge success. It gave us an opportunity to engage with WA families and showcase our services and resources. We would like to thank Maths Australia for the generous sponsorship of this event. Thank you to all of the volunteers who spent the day showing parents and children that maths can be fun!



EXPO ATTENDEES PARTICIPATING AND LEARNING.



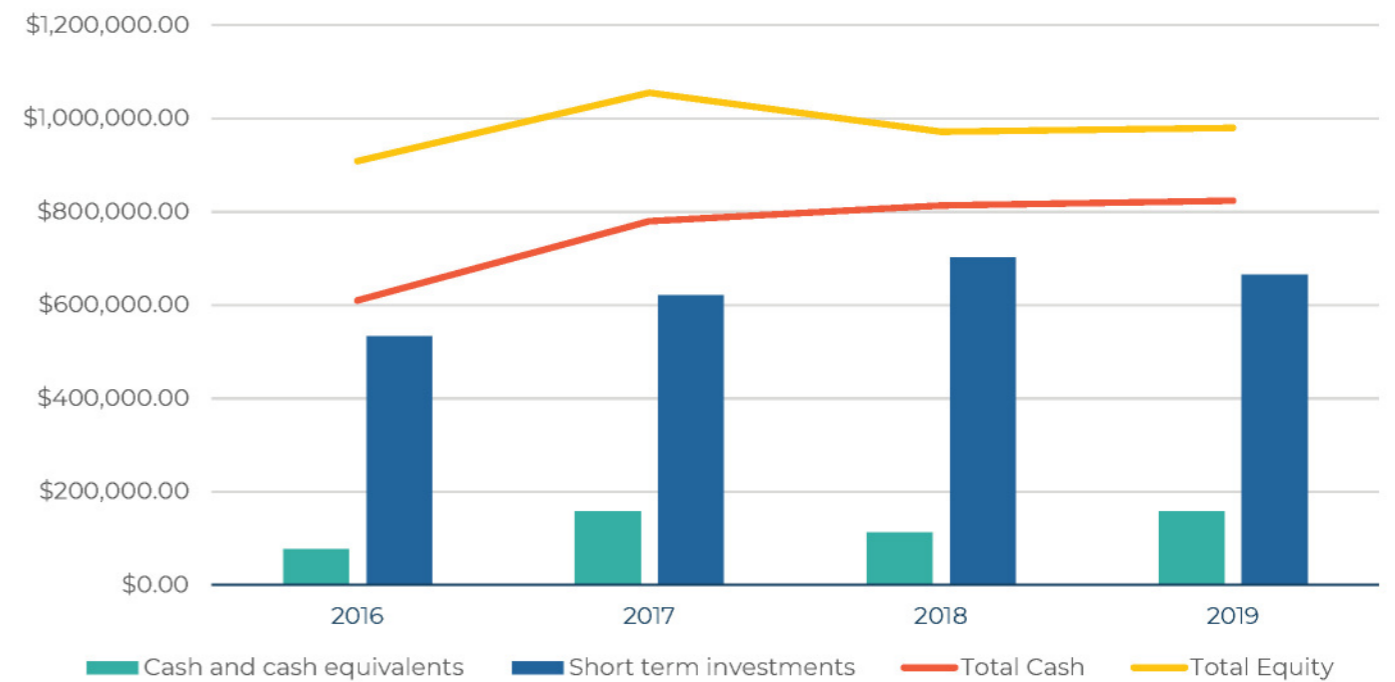
FINANCIAL OVERVIEW

ROM CIRILLO

I am pleased to report that MAWA is in a sound financial position and that 2019 has been a busy, but successful year. While showing only a slight profit, we did generate increased income over 2018 (~ \$67k) but we also had increased costs. These increases were mainly from an increase in Publications & Merchandise due to the re-printing of Essentials Units 3 and 4 and the write-off of old stock (~ \$40k). We also had increased IT expenses (~ \$16k) payments for the development of a new CRM, a new HSF online platform and a new Moodle site (for WAMPSP). We also invested in developing and improving our inventory for the future with the development of problem-solving materials, for use in PL with schools – and this added to increased staff costs (~\$67k). We have also spent money on upgrading our office, purchasing new signage, flooring and furniture.

A graphical 'snapshot' of our financial position is illustrated by the graph below comparing our cash position and total equity 2016-2019.

MAWA's Cash Position: 2016-2019



More 'fine-grain' details may be viewed in the Profit and Loss sheet and the Balance Sheet included in the audited financials that follow. It was pleasing to note that our auditors/reviewers did not have any recommendations for change or improvement to our record keeping/accounts. I would like to thank Mario Ravat, our Finance Officer and the Office team as a collective for a job well done with our accounts. It has made the role of the Finance Committee which has met regularly every month to monitor and review MAWA's financial health, much easier than it may otherwise have been.

Balance Sheet

The Mathematical Association of Western Australia (Inc) As at 31 December 2019

	31 Dec 2019	31 Dec 2018
Assets		
Bank		
CBA Term Deposit - 3922	-	205,086
Total Bank	-	205,086
Current Assets		
Cash & Cash Equivalents	158,527	111,859
Inventories	113,538	121,733
Short Term investments	665,140	496,586
Trade & other Receivables	35,057	36,638
Total Current Assets	972,262	766,816
Non-current Assets		
Land & Buildings	195,769	195,769
Plant & Equipment	12,290	114,143
Plant & Equipment - Accumulated Depreciation	(1,827)	(114,143)
Workplace Relations Specialists Contract - Prepaid	15,217	21,667
Total Non-current Assets	221,449	217,436
Total Assets	1,193,711	1,189,338
Liabilities		
Current Liabilities		
Current Tax Liabilities	34,047	31,899
Customer Deposits	-	3,577
GST Adjustments	(118)	-
Provisions	20,959	11,875
Trade & Other Payables	19,591	11,227
Unearned Revenues - WAMPSP	122,729	120,154
Total Current Liabilities	197,208	178,732
Non-Current Liabilities		
Employsure - Subscription	16,721	23,809
STEM Clearing Account	250	14,990
Total Non-Current Liabilities	16,971	38,799
Total Liabilities	214,179	217,532
Net Assets	979,531	971,806
Equity		
Current Year Earnings	7,725	(83,361)
Retained Earnings	971,806	1,055,167
Total Equity	979,531	971,806

Profit & Loss

The Mathematical Association of Western Australia (Inc) 1 January 2019 to 31 December 2019

	31 Dec 19	31 Dec 18
Income		
Bank	12,050	10,374
Conferences, Expo's & Professional Learning Income	363,422	325,693
Membership Dues	85,985	75,485
Other Income	8,934	27,699
Publications - Merchandise Sales	218,305	213,274
Student Activities Income	220,202	69,048
Total Income	908,898	721,573
Less Cost of Sales		
Conferences, Professional Learning & Student Activities COS	234,741	252,555
Membership COS	10,609	7,772
Other COS	7,330	5,598
Publications & Merchandise COS	137,251	97,037
Total Cost of Sales	389,931	362,963
Gross Profit	518,966	358,611
Less Operating Expenses		
Administrative Expenses - Other	61,792	73,469
Bank Charges	12,463	13,290
IT Costs	80,265	64,842
Occupancy Costs	10,723	11,987
Staff Costs	345,998	278,383
Total Operating Expenses	511,241	441,972
Net Profit	7,725	(83,361)

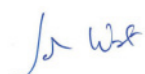
True and Fair Position

The Mathematical Association of Western Australia (Inc) For the year ended 31 December 2019

Annual Statements Give True and Fair View of Financial Position and Performance of the Association

We, John West, and Rom Cirillo, being members of the committee of The Mathematical Association of Western Australia (Inc), certify that –

The statements attached to this certificate give a true and fair view of the financial position and performance of The Mathematical Association of Western Australia (Inc) during and at the end of the financial year of the association ending on 31 December 2019.

Signed: 

Dated: 19 / 03 / 2020

Signed: 

Dated: 19 / 03 / 2020

Independent Assurance Practitioner's Review Report

The Mathematical Association of Western Australia (Inc) For the year ended 31 December 2019

Independent Assurance Practitioner's Review Report to the members of the Association

We have reviewed the accompanying financial report, being a special purpose financial report, of The Mathematical Association of Western Australia Inc (the association), which comprises the committee's report, the assets and liabilities statement as at 31 December 2019, the income and expenditure statement for the year then ended, cash flow statement, notes comprising a summary of significant accounting policies and other explanatory information, and the certification by members of the committee on the annual statements giving a true and fair view of the financial position and performance of the association.

Committee's Responsibility for the Financial Report

The committee of The Mathematical Association of Western Australia Inc is responsible for the preparation and fair presentation of the financial report, and has determined that the basis of preparation described in Note 1 is appropriate to meet the requirements of the *Australian Charities and Not-for-profits Commission Act 2012* (ACNC Act), the *Associations Incorporations Act 2015 (WA)* and is appropriate to meet the needs of the members. The committee's responsibility also includes such internal control as the committee determines is necessary to enable the preparation and fair presentation of a financial report that is free from material misstatement, whether due to fraud or error.

Assurance Practitioner's Responsibility

Our responsibility is to express a conclusion on the financial report based on our review. We have conducted our review in accordance with Australian Auditing Standards on Review Engagements *ASRE 2415: Reviews of Financial Report: Company Limited by Guarantee or an Entity Reporting under the ACNC Act or other Applicable Legislation or Regulation*. Those standards require us to conclude whether anything has come to our attention that causes us to believe that the financial statements, taken as a whole, are not prepared in all material respects in accordance with the requirements of Division 60 of the *Australian Charities and Not-for-Profits Commission Act 2012* and the *Associations Incorporations Act 2015 (WA)*. This Standard also requires us to comply with relevant ethical requirements relating to review engagements and plan and perform the review to obtain reasonable assurance whether the financial report is free from material misstatement.

A review of financial statements in accordance with ASRE 2415 is a limited assurance engagement. The assurance practitioner performs procedures, primarily consisting of making enquiries of management and others within the entity, as appropriate, and applying analytical procedures, and evaluates the evidence obtained.

The procedures performed in a review are substantially less than those performed in an audit conducted in accordance with Australian Auditing Standards. Accordingly, we do not express an audit opinion on these financial statements.

Independence

In conducting our review we have complied with the independence requirements of the *Australian Charities and Not-for-Profits Commission Act 2012*, *Associations Incorporations Act 2015 (WA)* and any applicable code of professional conduct in relation to the review.

Conclusion

Based on our review, which is not an audit, nothing has come to our attention that causes us to believe that the financial report of association does not satisfy the requirements of Division 60 of the *Australian Charities and Not-for-profits Commission Act 2012* and the *Associations Incorporations Act 2015 (WA)* including:

1. giving a true and fair view of the associations financial position as at 31 December 2019 and of its financial performance and cash flows for the year ended on that date; and
2. complying with Australian Accounting Standards to the extent described in Note 1 and Division 60 of the *Australian Charities and Not-for-profits Commission Regulations 2013*.

Basis of Accounting and Restriction on Distribution

Without modifying our conclusion, we draw attention to Note 1 to the financial statements, which describes the basis of accounting. The financial report has been prepared to assist The Mathematical Association of Western Australia (Inc) to meet the requirements of the *Australian Charities and Not-for-profits Commission Act 2012* and the *Associations Incorporation Act 2015 (WA)*. As a result, the financial report may not be suitable for another purpose.

Michael Ng

Michael Ng
Griffin O'Dea Bowler
391 Goodwood Rd, Westbourne Park, SA

Dated: 19th March 2020



