

ANNUAL REPORT

2015 - 2016

THE MATHEMATICAL
ASSOCIATION OF VICTORIA
ABN 34 004 892 755

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This Annual Report of the Mathematical Association of Victoria was presented to the members at the Annual General Meeting held on Tuesday, 17 May 2016 at Cliveden, 61 Blyth Street, Brunswick.

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PRESIDENT'S REPORT

The education sector continues to evolve across Australia, and mathematics education in Victoria is no exception. There are numerous challenges before us, including Australia's slide in international performance rankings, the rapid changes in ICT and their effects in the classroom, the rapid population growth currently at primary level but soon to flow through to secondary requirements, the age profile of the mathematics teacher cohort, the number of out of field teachers taking mathematics classes, and the constant pressure on budgets and funding for both schools and teacher professional associations.

Fortunately there are some promising signs, whether you look at education from the top down or from the bottom up. The penny seems to have dropped in important government circles that improvements in educational outcomes for students require investment in teacher professional development to grow effective classroom practice. This aligns with the message that MAV gets back from its members in its recent annual Associations Matter Surveys. Members are mostly (85%) satisfied with the MAV's work, but see significant challenge in advocacy to influential parties, in the promotion and awareness of the need for qualified professionals in classrooms, in the provision of easy access to reliable information, and in providing opportunities for targeted professional development. In relation to the last point it is noticeable that the MAV Education Consultants are already moving away from one size fits all PD to individualised programs for a school or schools' network.

At federal government level it is the AAMT that takes the lead on behalf of its affiliates such as MAV. Funding for teacher professional development is an integral part of several projects including Maths by Inquiry (a partnership between AAMT and the Australian Academy of Science), the Dimensions Portal as a reference point for teacher PD, and the TEMPEST project led from Tasmania. The Connect with Maths project has been managed by Renee Hoareau for AAMT from the MAV offices, and its work will be rolled into the Dimensions portal. The AAMT reaches its 50th year in 2016. MAV Council minutes from the 1960s show that MAV members had a leading role with the initiation of the AAMT. It is fitting to congratulate MAV past President Allason McNamara on her taking up the role of AAMT President from this year, and we wish Allason well in that key position.

At state government level the MAV has been strengthening its relationships with the Department of Education and VCAA, and it is a credit to our staff that these important bodies now see MAV as an obvious and immediate point of reference for discussion and implementation of initiatives. It would be good to see a more stable and reliable funding basis between government and the MAV; having to rely on intermittent project and consulting work does not make it easy for MAV to fund its staffing budgets. Fortunately there is a rich resource of skilled educators that MAV is able to call on flexibly when needed. The Prime Minister's 'agility' is a well-developed trait at MAV.

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From the bottom up, the MAV is fortunate to have such an energetic and resourceful membership base. The Annual Conference is a showplace of theoretical ideas and practical implementation. The re-branding of much of the traditional 'teacher work' under the heading of 'action research' builds the professional self-perception amongst teacher teams in schools. A paradigm for classroom practice which shifts from teacher-centred to student-centred and is informed by flexible and reliable formative assessments is very demanding for teachers who were themselves neither taught at school nor trained at college in this way, and it is good to see recognition that the challenge needs time and team collaboration. A challenge at the local level is to give strong mentor support to early career teachers so as to encourage them to stay with their career choice through the challenges of the first few years.

The Maths Active Schools program has been running for MAV for several years now, and it provides a research-based model and focus for school improvement in numeracy and mathematics. Several of the accredited Maths Active Schools are showing their initiative in bringing the STEM agenda down to the local level by engagement with their alumni. The Maths Talent Quest exemplifies a Maths by Inquiry model, with hundreds of proud and satisfied students receiving their awards at the presentation ceremony. Games days, public lectures, careers days and a well-resourced shop each contribute to the rich set of MAV services and provisions.

The MAV Council has continued to reflect upon and guide the work of the Association in an effective and diligent way. The members, as listed elsewhere in this Report, represent a range of sectors, roles and experience, thereby keeping Council informed on developments across the board in mathematics education in Victoria. I thank the 2015-2016 Council members generally, with special mention of Executive Members for their additional workload. Two councillors, Linda Baron and Julie Tillyer, have reached the end of their five-year terms, and we particularly thank them for their contributions.

At the annual Planning Day in October 2015, consultant Kate Hartwig led us through a process of clarifying the separate roles of Council, as providing strategic and policy determination, while management and staff have carriage of the operational matters that flow from such policies. It was mentioned that many associations are moving away from a standing committee model towards task-specific working groups that have a defined task over a short time frame. It is felt that this works better for people with busy lives, as they can see a manageable workload in their voluntary role. MAV had occasion to implement this model in December last year, when an urgent review of the budget position was undertaken to identify possible actions in facilities, staffing, costs and revenue; and again in February this year when responding to the 2015 Annual Conference outcomes and identifying matters for attention in 2016.

At a later presentation to the not-for-profit sector attended by the CEO and the President, Governance was encapsulated as Leadership + Stewardship + Keepers of the Vision. The incoming Council will be charged with maintaining

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the health and mission of the MAV, carrying on the work of the previous custodians, so many of whom are with us at the AGM this evening. Council will shortly begin the process of developing the next triennial Strategic Plan, so there will be a busy period ahead. As part of that planning MAV should be looking to extend its provision for Indigenous learners, for the Early Years sector and for the substantial VCAL cohort now present in Victoria. I welcome the incoming Council members and look forward to working with them.

Simon Pryor has been CEO of the MAV since 2002, bringing to us his extensive experience in the not-for-profit Associations sector. He is not with us at this year's AGM as he is enjoying a period of long service leave on sunny Crete. MAV has been fortunate to secure the previous incumbent, Sally Turnbull, to be the Acting CEO in his absence, and we thank Sally for organising this AGM. Simon advised the March Council meeting that it is intention to retire from the MAV on his return from leave in July, after 14 years of exemplary service. This has been a period of many challenges for teacher associations generally, with many having to reduce services or find different means of supporting their members. MAV has been able to maintain or expand most of its traditional roles, as detailed elsewhere in the AGM Report. Simon has been alert to the changes in our environment, especially with digital media, and has always provided thoughtful and topical advice to Council. The stability within MAV staffing is an indicator of Simon's effectiveness as CEO. The MAV has benefited greatly from Simon's tenure, and we wish him well in retirement. A farewell function will be held in July. Meanwhile, Council has initiated a recruitment process to find his successor, and this will be finalised in due course.

It has been my pleasure to serve the MAV in the last year. No matter how closely we are involved in mathematics education, according to our personal circumstances, we all share the same passion and concern for the role of mathematics in students' lives and in society.

JIM SPITHILL
President

THE MATHEMATICAL ASSOCIATION OF VICTORIA

A.C.N. 004 892 755

**FINANCIAL REPORT
FOR THE YEAR ENDED
31 JANUARY 2016**

THE MATHEMATICAL ASSOCIATION OF VICTORIA

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DIRECTORS REPORT

Your directors present this report on the entity for the financial year ended 31 January 2016.

Directors

The names of each person who has been a director during the year and to the date of this report are:

Ms Linda Baron	Ms Katherine McGill (from 12 May 2015)
Ms Elizabeth Burns	Ms Allason McNamara
Mr Rhys Coulson	Ms June Penney
Dr Ann Downton (from 12 May 2015)	Dr Ahmad Samarji
Mr Trevor Faure (from 12 May 2015)	Ms Francesca Sidari
Dr Marjorie Horne	Mr James Spithill
Ms Michelle Huggan	Dr Max Stephens
Ms Patricia Jelbart	Ms Julie Tillyer
Ms Rhiannon Lowrey	

Directors have been in office since the start of the financial year to the date of this report unless otherwise stated.

Company Secretary

The following person held the position of entity secretary at the end of the financial year:

Mr Simon Pryor- Chief Executive Officer

Principal Activities

The principal activities of the entity during the financial year were the provision of services aimed at promoting mathematics within the community. No significant change in the nature of these activities occurred during the period.

Operating Results

The operating loss for the year ended 31 January 2016 was \$86,737 (2014: \$88,411).

Dividends Paid or Recommended

No dividends were paid or declared since the start of the financial year. No recommendation for payment of dividends has been made.

Review of Operations

The results of the operations of the entity during the financial year reflect decisions taken by directors to further refine the mix of the entity's services within the ongoing framework of strategic planning and priority setting.

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DIRECTORS REPORT

Significant Changes in State of Affairs

No significant changes in the nature of the entity's activity occurred during the financial year.

After Balance Date Events

No matters or circumstances have arisen since the end of the financial year which significantly affected or may significantly affect the operations of the entity, the results of those operations, or the state of affairs of the entity in future financial years.

Future Development

The entity expects to maintain the present status and level of operations and hence there are no likely developments in the entity's operations.

Environmental Issues

The entity's operations are not regulated by any significant environmental regulation under a law of the Commonwealth or of a state or territory.

Options

No options over issued shares or interests in the entity were granted during or since the end of the financial year and there were no options outstanding at the date of this report.

Ms Linda Baron	Director	Ms Katherine McGill	Director
<i>Qualifications</i>	<i>Teacher</i>	<i>Qualifications</i>	<i>Researcher</i>
Ms Elizabeth Burns	Secretary	Ms Allason McNamara	Past President
<i>Qualifications</i>	<i>Teacher</i>	<i>Qualifications</i>	<i>Teacher</i>
Mr Rhys Coulson	Director	Ms June Penney	Director
<i>Qualifications</i>	<i>Teacher</i>	<i>Qualifications</i>	<i>Teacher</i>
Dr Ann Downton	Director	Dr Ahmad Samarji	Vice President
<i>Qualifications</i>	<i>University Lecturer</i>	<i>Qualifications</i>	<i>University Lecturer</i>
Mr Trevor Faure	Director	Ms Francesca Sidari	Director
<i>Qualifications</i>	<i>University Lecturer</i>	<i>Qualifications</i>	<i>Teacher</i>
Dr Marjorie Horne	President	Mr James Spithill	Director
<i>Qualifications</i>	<i>University Lecturer</i>	<i>Qualifications</i>	<i>Research Fellow</i>
Ms Michelle Huggan	Vice President	Dr Max Stephens	Treasurer
<i>Qualifications</i>	<i>Teacher</i>	<i>Qualifications</i>	<i>University Lecturer</i>
Ms Patricia Jelbart	Director	Ms Julie Tillyer	Director
<i>Qualifications</i>	<i>Teacher</i>	<i>Qualifications</i>	<i>Teacher</i>
Ms Rhiannon Lowrey	Director		
<i>Qualifications</i>	<i>Teacher</i>		

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DIRECTORS REPORT

Meetings of Directors

During the financial year, 6 meetings of directors were held. Attendance by each director was as follows:

	MEETINGS ELIGIBLE	MEETINGS ATTENDED
Linda Baron	6	5
Elizabeth Burns	6	5
Rhys Coulson	6	4
Ann Downton	4	0
Marjorie Horne	6	4
Michelle Huggan	2	2
Patricia Jelbart	6	4
Rhiannon Lowrey	6	6
Katherine McGill	4	3
Allason McNamara	6	3
June Penney	6	4
Ahmad Samarji	2	0
Francesca Sidari	6	6
James Spithill	6	5
Max Stephens	6	5
Julie Tillyer	6	3

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DIRECTORS REPORT

Indemnifying Officers or Auditor

The company has paid an insurance premium to indemnify the officers acting in their capacity as officers of the company. During or since the end of the financial year, no other indemnities have been given in relation to the officers of the company.

No indemnities have been given or insurance premiums paid, during or since the end of the financial year, on behalf of the auditor of the company.

Proceedings on Behalf of the Entity

No person has applied for leave of Court to bring proceedings on behalf of the entity or intervene in any proceedings to which the entity is a party for the purpose of taking responsibility on behalf of the entity for all or any part of those proceedings.

The entity was not a party to any such proceedings during the year.

Auditor's Independence Declaration

The auditor's independence declaration for the year ended 31 January 2016 has been received and can be found on page 7 following the directors' report.

Signed in accordance with a resolution of the Board of Directors.



.....
Director

Dated this seventeenth day of March 2016



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**AUDITOR'S INDEPENDENCE DECLARATION
UNDER SECTION 307C OF THE CORPORATIONS ACT 2001
TO THE DIRECTORS OF
THE MATHEMATICAL ASSOCIATION OF VICTORIA**

I declare that, to the best of my knowledge and belief, during the year ended 31 January 2016 there has been:

- i. no contraventions of the auditor independence requirements as set out in the Corporations Act 2001 in relation to the audit; and
- ii. no contraventions of any applicable code of professional conduct in relation to the audit.

Hayes Knight Audit

HAYES KNIGHT AUDIT PTY LTD
Level 12, 31 Queen Street
MELBOURNE VIC 3000

A. Wehrens

Andrew Wehrens
Director

Dated this *22nd* day of *March* 2016

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STATEMENT OF PROFIT OR LOSS AND OTHER COMPREHENSIVE INCOME FOR
THE YEAR ENDED 31 JANUARY 2016

	Notes	2016 \$	2015 \$
Revenue	2	1,536,791	1,390,611
Employee benefits expenses		(520,090)	(487,311)
Depreciation and amortisation expenses		(104,831)	(87,054)
Membership expenses		(66,916)	(124,479)
Publications and journals		(221,846)	(158,397)
Annual conference		(315,021)	(330,609)
Student activities		(58,213)	(39,736)
Professional development		(167,589)	(69,508)
Other expenses		(169,014)	(181,928)
Interest expense		(8)	-
Profit / (Loss) from ordinary activities before income tax		(86,737)	(88,411)
Income tax expense	1(i)	-	-
Total comprehensive income / (loss) for the year		(86,737)	(88,411)
Net gain on revaluation of non-current asset		135,133	129,271
Other comprehensive income for the year, net of tax		135,133	129,271
Total comprehensive income / (loss) for the year		48,396	40,860
Total comprehensive income / (loss) attributable to members of the entity		48,396	40,860

The accompanying notes form part of the financial statements

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**STATEMENT OF CHANGES IN EQUITY
FOR THE YEAR ENDED 31 JANUARY 2016**

	Revaluation Reserve \$	Retained Profit \$	Total Equity \$
Balance at 31 January 2014	1,056,832	527,430	1,584,262
Loss attributable to the company	-	(88,411)	(88,411)
Revaluation increment	129,271	-	129,271
Balance at 31 January 2015	1,186,103	439,019	1,625,122
Loss attributable to the company	-	(86,737)	(86,737)
Revaluation increment	135,133	-	135,133
Balance at 31 January 2016	1,321,236	352,282	1,673,518

The accompanying notes form part of the financial statements

THE MATHEMATICAL ASSOCIATION OF VICTORIA

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STATEMENT OF FINANCIAL POSITION AS AT 31 JANUARY 2016

	Notes	2016 \$	2015 \$
CURRENT ASSETS			
Cash and cash equivalents	4	323,393	371,533
Trade and other receivables	5	133,225	67,307
Other current assets	6	19,207	20,473
Inventories	7	53,309	40,792
TOTAL CURRENT ASSETS		529,134	500,105
NON CURRENT ASSETS			
Property, plant and equipment	8	1,635,226	1,506,739
Intangibles	9	200,700	207,627
TOTAL NON CURRENT ASSETS		1,835,926	1,714,366
TOTAL ASSETS		2,365,060	2,214,471
CURRENT LIABILITIES			
Trade and other payables	10	389,827	376,408
Other Liabilities	11	188,110	108,757
Provisions	12	113,605	104,185
TOTAL CURRENT LIABILITIES		691,542	589,350
TOTAL LIABILITIES		691,542	589,350
NET ASSETS		1,673,518	1,625,121
EQUITY			
Reserves	13	1,321,236	1,186,103
Retained profits		352,282	439,019
TOTAL EQUITY		1,673,518	1,625,122

The accompanying notes form part of the financial statements

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STATEMENT OF CASH FLOWS FOR THE YEAR ENDED 31 JANUARY 2016

	Notes	2016 \$	2015 \$
Cash flows from operating activities			
Receipts from customers, members and grants		1,547,645	1,438,784
Payments to suppliers and employees		(1,507,109)	(1,220,731)
Interest received		2,581	3,040
Net cash from / (used in) operating activities		43,117	221,093
Cash flow from financing activities			
Net cash from / (used in) financing activities		-	-
Cash flows from investing activities			
Payment for plant and equipment		(3,676)	(8,060)
Payment for software		(87,581)	(130,111)
Net cash (used in) investing activities		(91,257)	(138,171)
Net increase / (decrease) in cash held		(48,140)	82,922
Cash at the beginning of the financial year		371,533	288,611
Cash at the end of the financial year	4	323,393	371,533

NOTE TO THE STATEMENT OF CASH FLOWS

Reconciliation of cash flow from operations with profit after income tax

Operating profit / (loss) after income tax	(86,737)	(88,411)
Depreciation and amortisation	104,831	87,054
Changes in assets and liabilities:		
- Decrease / (Increase) in trade and other receivables	(65,918)	125,217
- Decrease / (Increase) in prepayments	1,266	1,128
- Decrease / (Increase) in inventories	(12,517)	(2,494)
- Increase / (Decrease) in income received in advance	79,353	(74,004)
- Increase / (Decrease) in provisions	9,420	5,486
- Increase / (Decrease) in Trade and Other Payables	13,419	167,117
Cash flow from operations	43,117	221,093

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The accompanying notes form part of the financial statements

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 JANUARY 2016

1. STATEMENT OF SIGNIFICANT ACCOUNTING POLICIES

Note 1: Summary of Significant Accounting Policies

The Directors have prepared the financial statements on the basis that the company is a non-reporting entity because there are no users who are dependent on its general purpose financial reports. These financial statements are therefore a special purpose financial report that has been prepared in order to meet the requirement of the *Corporations Act 2001*.

The financial statements have been prepared in accordance with the mandatory Australian Accounting Standards applicable to entities reporting under the *Corporations Act 2001* and the significant accounting policies disclosed below, which the directors have determined are appropriate to meet the need of members. Such accounting policies are consistent with the previous period unless stated otherwise.

The financial statements have been prepared on the accruals basis and are based on historical costs unless otherwise stated in the notes. The accounting policies that have been adopted in the preparation of this report are as follows:

Accounting Policies

A. REVENUE

- (i) Revenue from the sale of goods is recognised upon the delivery of goods to customers.
- (ii) Revenue from the rendering of a service is recognised upon the delivery of the service to the customers.
- (iii) Grant and Sponsorship revenue is recognised in the income statement when it is controlled. When there are conditions attached to grant revenue relating to the use of those grants for specific purposes it is recognised in the balance sheet as a liability until such conditions are met or services provided.
- (iv) Membership Fees are recognised when invoiced.
- (v) Interest revenue is recognised using the effective interest rate method, which, for floating rate financial assets is the rate inherent in the instrument.

All revenue is stated net of the amount of goods and services tax (GST).

B. INVENTORIES

Inventories are measured at cost, adjusted when applicable for any loss of service potential.

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 JANUARY 2016

1. STATEMENT OF SIGNIFICANT ACCOUNTING POLICIES (CONT'D)

C. PROPERTY, PLANT AND EQUIPMENT

Each class of property, plant and equipment is carried at cost or fair values as indicated, less, where applicable, accumulated depreciation and impairment losses.

Property

Freehold land and buildings are shown at their fair value determined by the directors from advice and information obtained in relation to local property prices.

Increases in the carrying amount arising on revaluation of land and buildings are recognised in other comprehensive income and accumulated in the revaluation reserve in equity. Decreases that offset previous increases of the same class shall be recognised in other comprehensive income under the heading of revaluation surplus. All other decreases are charged to the statement of comprehensive income.

Any accumulated depreciation at the date of revaluation is eliminated against the gross carrying amount of the asset and the net amount is restated to the revalued amount of the asset.

Plant and Equipment

Plant and equipment are measured on the cost basis less depreciation and impairment losses.

The carrying amount of plant and equipment is reviewed annually by directors to ensure it is not in excess of the recoverable amount from these assets. The recoverable amount is assessed on the basis of the expected net cash flows that will be received from the assets employment and subsequent disposal. The expected net cash flows have been discounted to their present values in determining recoverable amounts.

Depreciation

The depreciable amount of all fixed assets including buildings and capitalised leased assets, but excluding freehold land, is depreciated on a straight line basis over the asset's useful life to the economic entity commencing from the time the asset is held ready for use.

The depreciation rates used for each class of depreciable assets are:

Class of Fixed Asset	Depreciation Rate
Building	2% to 12%
Plant and equipment	12% to 25%
Furniture and Fittings	9%

The assets' residual values and useful lives are reviewed, and adjusted if appropriate, at each balance sheet date.

An asset's carrying amount is written down immediately to its recoverable amount if the asset's carrying amount is greater than its estimated recoverable amount.

Gains and losses on disposals are determined by comparing proceeds with the carrying amount. These gains or losses are included in the income statement. When revalued assets are sold, amounts included in the revaluation reserve relating to that asset are transferred to retained earnings.

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 JANUARY 2016

1. STATEMENT OF SIGNIFICANT ACCOUNTING POLICIES (CONT'D)

Impairment of assets

At each reporting date, all assets except for, inventories, assets arising from employee benefits, investment property and financial instrument assets are assessed to determine whether there is an indication of impairment. If there is an indication of impairment, the assets concerned are tested as to whether their carrying amount exceeds the recoverable amount, the difference is written-off by a charge to the Statement of Comprehensive Income except to the extent that the write-down can be debited to an asset revaluation reserve amount applicable to that class of asset.

At each reporting date, assets previously determined to be impaired are assessed for circumstances indicating that an impairment loss recognised in prior periods no longer exists or may have decreased. If there is an indication that the impairment loss has been reversed, the assets concerned are tested as to whether the recoverable amount exceeds the carrying amount, the difference not exceeding the original impairment is credited to the Statement of Comprehensive Income except for revalued assets which are credited to an asset revaluation reserve.

D. RECEIVABLES

Receivables are initially measured at fair value and subsequently measured at amortised cost using the effective interest rate method less any allowance for impairment. Any allowance for impairment is expensed through the statement of comprehensive income. Trade receivable credit terms are 30 Days.

E. TRADE PAYABLES

Liabilities are recognised for amounts to be paid in the future for goods and services received, whether or not invoiced to the company. Creditors are normally settled on 30 day terms.

F. EMPLOYEE BENEFITS

Provision is made for the entity's liability for employee benefits arising from services rendered by employees to Balance Sheet date. Employee benefits expected to be settled within one year together with benefits arising from wages, salaries and annual leave, which may be settled after one year, have been measured at the amounts expected to be paid when the liability is settled plus related on costs. Other employee benefits payable later than one year have been measured at net present value.

Contributions are made by the entity to an employee superannuation fund and are charged as expenses when incurred.

G. CASH AND CASH EQUIVALENTS

Cash and cash equivalents include cash on hand, deposits held at-call with banks, other short-term highly liquid investments with original maturities of three months or less, and bank overdrafts.

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 JANUARY 2016

1. STATEMENT OF SIGNIFICANT ACCOUNTING POLICIES (CONT'D)

H. GOODS AND SERVICES TAX (GST)

Revenues, expenses and assets are recognised net of the amount of GST, except where the amount of GST incurred is not recoverable from the Australian Taxation Office. In these circumstances the GST is recognised as part of the cost of acquisition of the asset or as part of an item of expense. Receivables and payables in the Statement of Financial Position are shown inclusive of GST.

Cash flows are presented in the Cash Flow Statement on a gross basis, except for the GST component of investing and financing activities, which are disclosed as operating cash flows.

I. INCOME TAX

No provision for income tax has been raised, as the entity is exempt from income tax under Division 50 of the Income Tax Assessment Act 1997.

J. INTANGIBLES

Software is recorded at cost. Software has a finite life and is carried at cost less any accumulated amortisation and impairment losses. It has an estimated useful life of between one and four years. It is assessed annually for impairment

K. PROVISIONS

Provisions are recognised when the entity has a legal or constructive obligation, as a result of past events, for which it is probable that an outflow of economic benefits will result and that outflow can be reliably measured.

L. COMPARATIVE FIGURES

Where required by Accounting Standards comparative figures have been adjusted to conform with changes in presentation for the current financial year.

M. CRITICAL ACCOUNTING ESTIMATES AND JUDGMENTS

The directors evaluate estimates and judgments incorporated into the financial report based on historical knowledge and best available current information. Estimates assume a reasonable expectation of future events and are based on current trends and economic data, obtained both externally and within the company.

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NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 JANUARY 2016

	2016 \$	2015 \$
2. REVENUE OPERATING ACTIVITIES		
Membership Fees	319,002	335,825
Seminars and Conferences	471,429	511,677
Talent and Student Activities	150,705	41,566
Publications and Solutions	231,726	247,361
Professional Development	298,152	147,486
Grants and Sponsorships	50,985	90,630
	1,521,999	1,374,545
Non-operating Revenue:		
Interest	2,581	3,040
Miscellaneous	12,211	13,026
	1,536,791	1,390,611
3. PROFIT FROM OPERATING ACTIVITIES		
Profit from operating activities after charging:		
Depreciation of:		
- Buildings	5,862	5,882
- Furniture, Fittings and Equipment	4,462	4,404
Amortisation – Software	94,507	76,768
Auditors Remuneration:		
- Auditing the Accounts	8,520	6,000
- Other Services	-	2,285
- Under provision prior year	887	400
Provision for Long Service Leave	9,420	6,177
4. CASH AND CASH EQUIVALENTS		
Cash at Bank	322,593	370,733
Cash on Hand	800	800
	323,393	371,533
5. TRADE AND OTHER RECEIVABLES		
Trade Accounts Receivables	117,736	67,307
Less Provision for Doubtful Debts	-	-
Sundry Debtors	15,489	-
	133,225	67,307

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NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 JANUARY 2016

	2016 \$	2015 \$
6. OTHER CURRENT ASSETS		
Prepayments	<u>19,207</u>	<u>20,473</u>
7. INVENTORIES		
Publications	<u>53,309</u>	<u>40,792</u>
8. PROPERTY, PLANT AND EQUIPMENT		
Freehold Land		
At Directors Valuation 20 July 2015	1,321,236	-
At Directors Valuation 24 July 2014	-	1,186,103
	<u>1,321,236</u>	<u>1,186,103</u>
Building		
At Cost	479,270	479,270
Accumulated Depreciation	(181,235)	(175,373)
	<u>298,035</u>	<u>303,897</u>
	<u>1,619,271</u>	<u>1,490,000</u>
Plant, Equipment, Furniture and Fittings- at cost	293,348	289,671
Accumulated Depreciation	(277,393)	(272,932)
	<u>15,955</u>	<u>16,739</u>
	<u>1,635,226</u>	<u>1,506,739</u>
As at 20 July 2015 the Directors valued the entity's property at 61 Blyth Street, Brunswick at \$1,619,271. The Directors when considering the revaluation took into account local real estate market prices.		
9. INTANGIBLE ASSETS		
Software:		
At cost	590,866	503,285
Accumulated Amortisation	(390,166)	(295,658)
	<u>200,700</u>	<u>207,627</u>

THE MATHEMATICAL ASSOCIATION OF VICTORIA

A.C.N. 004 892 755

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 JANUARY 2016

	2016	2015
	\$	\$
10. TRADE AND OTHER PAYABLES		
Trade Creditors	95,453	271,937
Employee Benefits – Annual Leave	55,418	60,494
GST Payable	31,137	16,488
Accrued Expenses	185,174	7,700
Other Liabilities	22,645	19,789
Sundry Creditors and Accruals	<u>389,827</u>	<u>376,408</u>
11. OTHER LIABILITIES		
Memberships received in advance (net of subscriptions)	<u>188,110</u>	<u>108,757</u>
12. PROVISIONS		
Current:		
Employee Benefits – Long Service Leave	<u>113,605</u>	<u>104,185</u>
13. ASSET REVALUATION RESERVE		
Movements during the year		
Opening balance	1,186,103	1,056,832
Revaluation increment on freehold land and building – 61 Blyth Street, Brunswick	<u>135,133</u>	<u>129,271</u>
Closing balance	<u>1,321,236</u>	<u>1,186,103</u>

14. EVENTS AFTER BALANCE DATE

There were no events after the balance date that should be brought to account in the financial report at 31st January 2016.

15. ENTITY DETAILS

The registered office and principal place of business of the company is:
Cliveden
61 Blyth Street
BRUNSWICK VIC 3056

16. MEMBERS' GUARANTEE

The entity is incorporated under the Corporations Act 2001 and is a company limited by guarantee. If the company is wound up, the constitution states that each member is required to contribute a maximum of \$20 each towards meeting any out-standings and obligations of the company. At 31 January 2016 the number of members was 1,401 (2015: 1,387).

THE MATHEMATICAL ASSOCIATION OF VICTORIA

A.C.N. 004 892 755

DIRECTORS' DECLARATION

The directors have determined that the company is not a reporting entity and that these special purpose financial statements should be prepared in accordance with the accounting policies described in Note 1 to the financial statements.

The directors of the company declare that:

- (a) The accompanying financial statements and notes are in accordance with the Corporations Act 2001 and
 - i) comply with Accounting Standards; and
 - ii) give a true and fair view of the financial position as at 31 January 2016 and of the performance for the year ended on that date in accordance with the accounting policies described in Note 1 of the financial statements; and
- (b) In the directors opinion there are reasonable grounds to believe that the company will be able to pay its debts as and when they become due and payable.

This declaration is made in accordance with a resolution of the Directors


.....
Director


.....
Director

Dated this seventeenth day of March 2016



INDEPENDENT AUDITOR'S REPORT TO THE MEMBERS OF THE MATHEMATICAL ASSOCIATION OF VICTORIA

ACN 004 892 755

Report on the Financial Report

We have audited the accompanying financial report, being a special purpose financial report of The Mathematical Association of Victoria, which comprises the statement of financial position as at 31 January 2016, the statement of profit or loss and other comprehensive income, statement of changes in equity and statement of cash flows for the year then ended, notes comprising a summary of significant accounting policies and other explanatory information, and the directors' declaration.

Directors' Responsibility for the Financial Report

The directors of the association are responsible for the preparation of the financial report that gives a true and fair view and have determined that the basis of preparation described in Note 1 to the financial report is appropriate to meet the requirements of the *Corporations Act 2001* and is appropriate to meet the needs of the members. The directors' responsibility also includes such internal control as the directors determine is necessary to enable the preparation of a financial report that gives a true and fair view and is free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on the financial report based on our audit. We conducted our audit in accordance with Australian Auditing Standards. Those standards require that we comply with relevant ethical requirements relating to audit engagements and plan and perform the audit to obtain reasonable assurance about whether the financial report is free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial report. The procedures selected depend on the auditor's judgement, including the assessment of the risks of material misstatement of the financial report, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the company's preparation of the financial report that gives a true and fair view in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the association's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by the directors, as well as evaluating the overall presentation of the financial report.

Independence

In conducting our audit, we have complied with the independence requirements of the *Corporations Act 2001*. We confirm that the independence declaration required by the *Corporations Act 2001*, which has been given to the directors of The Mathematical Association of Victoria, would be in the same terms if given to the directors as at the time of this auditor's report.

Opinion

In our opinion the financial report of The Mathematical Association of Victoria is in accordance with the *Corporations Act 2001*, including:

- (c) giving a true and fair view of the company's financial position as at 31 January 2016 and of its performance for the year ended on that date; and
- (d) complying with Australian Accounting Standards to the extent described in Note 1 and the *Corporations Regulations 2001*.

Basis of Accounting

Without modifying our opinion, we draw attention to Note 1 to the financial report which describes the basis of accounting. The financial report is prepared for the purpose of fulfilling the directors' financial reporting responsibilities under the *Corporations Act 2001*. As a result, the financial report may not be suitable for another purpose.

Hayes Knight Audit

HAYES KNIGHT AUDIT PTY LTD
Level 12, 31 Queen Street
MELBOURNE VIC 3000

Andrew Wehrens

Andrew Wehrens
Director

Dated this *22nd* day of *March* 2016



Hayes Knight Audit
chartered accountants · your partners in success

Hayes Knight Audit Pty Ltd
ABN: 86 005 105 975

Level 12, 31 Queen St,
Melbourne, VIC 3000

T: 03 8613 8888 **F:** 03 8613 8800

Email: info@hayesknightaudit.com.au

www.hayesknight.com.au

**DISCLAIMER OF OPINION ON
DETAILED INCOME AND EXPENDITURE STATEMENT
FOR THE YEAR 31 JANUARY 2016**

The detailed income and expenditure statement presented on the following page is in accordance with the books and records of the company which have been subjected to the auditing procedures applied in our statutory audit of the company for the period ended 31 January 2016.

It will be appreciated that our statutory audit did not cover all details of the additional financial data. Accordingly, we do not express an opinion on such financial data and no warranty of accuracy or reliability is given.

Neither Hayes Knight Audit Pty Ltd nor any of its members or employees undertakes responsibility in any way whatsoever to any person (other than the directors) in respect of such data, including any errors or omissions therein, however caused.

Hayes Knight Audit

Andrew Wehrens

HAYES KNIGHT AUDIT PTY LTD
Level 12, 31 Queen Street
MELBOURNE VIC 3000

Andrew Wehrens
Director

Dated this *22nd* day of *March* 2016

THE MATHEMATICAL ASSOCIATION OF VICTORIA

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DETAILED INCOME AND EXPENDITURE STATEMENT
FOR THE YEAR ENDED 31 JANUARY 2016

	2016 \$	2015 \$
INCOME		
Conference – December	471,429	511,677
Membership fees	319,002	335,825
Publications and solutions	231,726	247,361
Talent quest and student activities	150,705	41,566
Interest received	2,581	3,040
Professional development	298,152	147,486
Grants and sponsorships	50,985	90,630
Miscellaneous income	12,211	13,026
	1,536,791	1,390,611
EXPENDITURE		
Advertising and promotion	60,968	23,190
Affiliation fees	41,845	102,862
Auditor's remuneration	9,407	8,685
Bank charges	4,359	4,369
Catering expenses	116,000	98,060
Cleaning	10,351	11,771
Consultants and presenters	270,389	206,921
Courier service	1,114	2,060
Depreciation and amortisation	104,831	87,054
Equipment rental	58,610	62,998
Facilities – external	47,705	47,705
Heat, light and power	5,427	4,987
Insurance	13,466	13,896
Interest expense	8	-
Legal fees	4,996	1,244
Long service leave	9,420	6,177
Office expenses	725	1,658
Postage and freight	19,710	22,654
Publications, printing and stationery	151,417	134,548
Rates and taxes	4,603	4,584
Repairs and maintenance	5,060	3,061
Royalties and authors fees	83,169	75,291
Staff and members amenities	6,500	8,067
Staff training	1,839	1,263
Subscriptions	1,904	4,355
Superannuation contributions	44,879	40,599
Telephone	28,138	21,973
Travelling and accommodation	48,264	36,949
Wages	465,444	438,665
Workcover	2,980	3,376
	1,623,528	1,479,022
Profit / (Loss) from ordinary activities	(86,737)	(88,411)

ANNUAL CONFERENCE

COMMITTEE MEMBERS

Ann Downton
(Convenor)

Julie Allen (The Full
Pretzel)

Trish Jelbart

Adria Quinn

Frances Sidari

Leicha Bragg

Leigh Thompson

Narissa Leung

Olivia Kelly

Tin Lam Toh

Vincent Conserva

Strategic Objective: Growth of the pre-eminent Asia Pacific mathematics education annual conference.

The 2015 annual conference “Back to the Future” was a great success. Once again we were privileged to have a wide variety of presentations for our delegates to attend and this year it was exciting to see once again, a large number of people make their debut presentation at the Conference.

My thanks go to The Full Pretzel, our hard working conference committee, the MAV staff and to all those people who committed their time, energy and expertise to presenting such high quality, thought provoking sessions.

There were 435 sessions offered to our 1,620 participants this year. The conference saw a rise in the number of presentations relating to STEM and the committee made a conscious decision to cater for interest in this area through a number of the keynote speakers.

For the Anniversary Lecture, Lily Serna, TV Personality and Mathematician, gave us her vision of teaching mathematics in the future in a light-hearted and engaging presentation. Feedback has been fantastic with many commenting on what a great way it was to kick start the conference.

The Closing Ceremony was an engaging and interactive experience with the team from the Model Solar Car Challenge, Paul Wellington, Ian Gardner and Dr Janet Di Pilla, giving attendees a glimpse into the future of technology and transport. It was unfortunate that so few participants experienced it.

Conference Attendance

We were very happy to have 1,620 delegates at the conference this year. The breakdown of participants identifying in the various stages of schooling were as follows: 420 from P-12 schools, 161 from Primary schools, 820 from Secondary schools, 80 from Tertiary Institutions and the remaining 151 from other sectors. Of the 1,620 delegates, 72 came from interstate and 32 people travelled from overseas to be with us.

ANN DOWNTON

PROFESSIONAL LEARNING

COMMITTEE MEMBERS

Linda Baron (Convenor)
Helen Haralambous
(Executive Officer to the
Committee)
Johnson Alagappan

Elizabeth Burns
Kerryn Driscoll
Renee Hoareau
Trish Jelbart

Jennifer Palisse
Duncan Symons

MAV Mathematics Education Consultants:

Jennifer Bowden, Ellen Corovic, Helen Haralambous, Ian Lowe.

The Mathematical Association of Victoria (MAV) has continued its highly successful 'flexible and diverse' approach to staffing with Mathematics Educational Consultants (primary and secondary) being employed on varying time fractions according to need.

Our Educational consultants are highly dedicated, experienced and 'self driven' in their pursuit to provide leadership, support and efforts to facilitate 'best practice' mathematics learning and services for teachers and students in schools and the broader community. They work tirelessly in their respective roles either individually or as part of a 'multi disciplined' team, and maintain a high profile in the broader educational community.

They offer a 'diverse' range of professional development/learning programs/events in response to school based needs and Department of Education and Training (DE&T) guidelines. Programs have included early years, primary and secondary schools (including programs for years 7-10 and VCE), throughout metropolitan Melbourne and also in regional areas of Victoria.

Helen Haralambous continues to act as Executive Officer to the Professional Learning Committee. She is a dedicated, hardworking and tireless professional who works effectively, providing communication between Educational Consultants and the Professional Learning Committee. The Professional Learning committee meets with Helen once a term, thereby continuing to facilitate positive communications and enhanced reporting procedures to MAV council.

As part of the Professional Development role MAV Education Consultants:

- Organise, lead, facilitate and evaluate Professional Development programs and events
- Provide modelled teaching and coaching to teachers
- Subcontract and organise 'external' presenters as required

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- Manage projects in relation to their respective roles, including completing relevant administrative tasks for these projects and general administrative tasks;
- Work on a range of contracted writing tasks including MAV publications (e.g. trial papers);
- Provide assistance to member schools and individuals; and
- Support Student Activities across the state.

EVALUATION

Achievements include:

In response to the strategic plan 'Create excellent products and services':

MAV has demonstrated they are the provider of choice through:

- targeting a wide target audience – from early years to university there has been an Intense marketing campaign, through the use of the MAV website and fliers, MAVList, the journal Common Denominator and the MAV Annual Conference
- providing in school professional learning for teachers, 'We come to you',
- This includes 'Mathematics Education Consultants' providing focused support in areas of:
 - Don't leave your school in school Professional Learning (F-10),
 - Key improvement strategies,
 - Designing specialised professional learning programs – see us more often
 - Promoting the use of the MAV Education Centre as a venue.
 - Ongoing collaborative projects across schools building teacher capacity
 - VCE Events including VCE revision lectures, SACS Evenings, Meet the Examiner and VCE mini-conferences, including some events delivered in 2015 via Polycom video conference
- Targeted audiences include primary, post primary, VCE, individual schools and networks across Melbourne and regional Victoria. Categories for Professional development include Primary and middle years, Secondary and VCE. An added dimension includes possible sharing of curriculum days and 'share by video conference' for professional development collaborations and networking by teachers.
- SPP (Strategic Partnership Program) funding – has included years 9 and 10 gifted and talented, Team P and meeting diverse student learning needs.
- Secondary Professional Development has included continued implementation of AusVELS and assessment and reporting.
- Journal contributions and articles by MAV Education Consultants continue and the quality of the publications is excellent.
- Partnerships have included AAMT and VCE summer school,
- Advertising and events have also included – make us part of your team – including professional learning, Maths Active Schools and program, Family Maths Nights, Statewide Mathematics Games Days, Mathematics Talent Quest,

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Mathematica, public lectures, Maths on ABC Splash, links with ACER, targeting early childhood centres, MAV conference early years – four free events for 2016, proposed pilot networks, cards, games and maths, use of the MAV office and local and regional venues for professional learning, partnership for learning MADDs project, and Maths Talent Quest PD.

- The MAV Annual Conference continues to be the premiere event for Mathematics learning and professional development on the national conference calendar.

In response to the strategic plan: 'Collaborate with Mathematics and scientific organizations, research and teaching institutions, education authorities, professional teaching associations and others with a connection to the valuing of mathematics in society:

- The addition of Renee Hoareau to the committee has facilitated further and continued positive communication for her project work on literacy and numeracy for TEAM P. Her work has included resources for primary PD also posted on the TEAM P website, including webinars and early years, and her ICT expertise had been of great benefit to MAV.
- Applications for externally funded programs have continued to be very successful. Funded programs have included the Partnerships for Learning (for MADDs project) Strategic Partnerships Program and the Telematics Trust Grant resulting in an ICT learning aid (APP) aimed for secondary student use being developed. The Partnerships For Learning MADDs project involved professional development across 32 days in schools.
- Successful funding applications for the Strategic Partnership Program 2015 – 2017 projects have included (1) Online Games, (2) MTQ and Communities, (3) TEAM:P (4) Stimulus workshops for rural Year 9 & 10 students who are gifted in Mathematics and (5) Meeting Diverse Students Needs.
- Advertising of Maths Active schools where we recognize and support schools who demonstrate effective learning and teaching practices in mathematics continues.
- Curriculum planning development, which has included The MAV resource 'Teach Maths For Understanding' continues to be advertised on the MAV Website and promoted as a resource at all PD involving AC (Australian Curriculum), AusVELS and Curriculum planning.
- Maths 300 in collaboration with ESA. (Education Services Australia) (Regional and metropolitan Melbourne)
- Social media webinars Conversations
- We have strong links to AAMT
- We work with AMSI at the Careers Expo and have their support for VCE PD days and for resources.
- There has been collaboration with VATE, HTAV, GTAV ACPHER to produce the VCE Toolbox.

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- Partnering with AAMT and others. Renee Hoareau's work for 'Connect with Maths Day' building five online communities to support Australian teachers of Mathematics birth to year 12 where members can belong to one or more online communities has also been successful.
- The funding partnership for a research project that explores gambling education in schools is also being implemented.

In response to the strategic plan: Best possible use of information and communication technologies for effective mathematics education and the delivery of products and services to members

- Recruitment of digitally native professional officers has been explored.
- Networking is evident.
- The idea of utilizing students for work experience is being explored.
- A focus for winning tenders to develop digital and ICT resources to develop an internet presence is being examined and pursued.
- Webinars and social media webinars conversations occur.
- Maths apps e.g. Made by Maths (Melbourne) have been developed
- Teach Maths for Understanding continues to be developed and improved through Ian's hard work.
- Video Conferencing – VCAA workshops were delivered by Polycom for each study in each region.
- Telematics Trust Grant – app aimed for secondary student use has been adopted.
- Renee and Helen have done training for Adobe Connect – Renee has delivered some workshops through this multimedia. Mathematics Education Consultants will have the capacity to deliver more Professional Learning from Cliveden using Adobe Connect.

Areas for consideration and review:

- Please continue meeting regularly as a committee in order to sustain and nurture a strong partnership and communication links with our consultants, the Professional Development Committee and council.
- VCE professional learning appears to be a growth area – particularly with regards to study designs or course updates or changes, and also examiner reviews. How can we best capitalize on this to gain a financial advantage for MAV whilst servicing members? Do we run bigger events or more repeats? Where do we effectively time these events to maximize financial gains as well as service the community? Can we liaise more effectively with relevant persons on MAV Council to maximize opportunities in this area? The Revised VCE Study Design and any course design changes, needs to be monitored with the anticipation of MAV PD and resource support being delivered to VCE teachers across all regions. Think big!!

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- STEM – how can we effectively link in with Science and technology groups to form more diverse partnerships so we can access further funding for additional programs to service members?
- How do we continue to be inclusive of targeted advertising language to cater for specialist school programs e.g. middle years, inquiry learning, baccalaureate schools for '*Mathematics Professional Development: We are there for you*'
- Given DET's (Department of Education and Training) continued directions for autonomy of schools and self regulation of their professional development, how do we best advertise and demonstrate that MAV is at the forefront of Mathematics education as the 'preferred and essential service provider' for mathematics learning for teachers in schools?
- We need to continually market and seek opportunities for partnerships and external funding for projects as they become available.
- It is essential that information on the MAV webpage remains current at all times. How would this best be monitored and by whom and how often?
- Evaluation and feedback on partnerships including Team: P events or other subject associations need continued monitoring and review to maintain and promote quality control. Special thanks to Renee for her tireless work in this area.
- The Australian Curriculum and AusVELS needs to continue to be closely monitored and evaluated
- Professional Learning offerings need to continue to be extended to regional areas where practicable through the strengthening of the Bendigo branch, expanding the VCE mini conference days to regional Victoria as deemed appropriate and viable.

And in the final analysis – aren't we blessed! In a very difficult economic climate MAV continues to shine!!

We have a brilliant and dedicated team of educational consultants sharing and facilitating best practice on mathematics. Our Executive Officer to the Professional Learning committee Helen Haralambous is totally dedicated to her role and is highly efficient in her work. The Full Pretzel continues their very fine work coordinating the MAV conference in style. Our CEO Simon Pryor continues to be a shining light for our organization demonstrating a strong commitment, values and ideals in his leadership of MAV and his work with Educational Consultants. Our administrative staff continue their hard work 'behind the scenes' and the Professional Learning Committee continues to meet and share positive ideas and best practice for the benefits of all MAV members on their own time. Now that is dedication!

Thank you, one and all for your wonderful work!!

LINDA BARON

RESOURCES

In 2015, after discussion, MAV staff Ellen Corovic and Darinka Rob completed a full audit of all the 414 items currently for sale through the MAVshop tab on MAV Website. Resources that were not selling to potential (i.e. less than 40 units) were offered at a discounted rate and were sold during the 2015 MAV conference.

During the last 12 months the following have been added:

- Maths in the Inclusive Classroom: Book 2
- Maths in the Inclusive Classroom: Book 1
- Maths in the Inclusive Classroom Yr 5 - Book 1
- Maths in the Inclusive Classroom Yr 5 - Book 2
- Maths in the Inclusive Classroom Yr 5 - Book 3
- Maths in the Inclusive Classroom Yr 6 - Book 1
- Maths in the Inclusive Classroom Yr 6 - Book 2
- Maths in the Inclusive Classroom Yr 6 - Book 3
- Maths in the Inclusive Classroom - Student Workbook Yr 5
- Maths in the Inclusive Classroom - Student Workbook Yr 6

The Resource committee continues in 2015 to collaborate via email and Social Media portals to stay up to date with current trends in resources and digital education.

JOURNALS

The journals committee has been inactive this year. The editors of the journals (Roger Walter, *Vinculum*; Sarah Ferguson, *Prime Number*; Louise Gray, *Common Denominator*) have taken a collaborative approach to produce each edition with strong results.

The quality of articles within each journal has been strengthened with an increase in the number of member teachers contributing to each of the journals. New contributors have found the experience rewarding and as a result have followed up their (possibly tentative) first article with subsequent articles. This demonstrates that the journals are being read and valued by members.

Common Denominator's commercial function continues to drive members' awareness of the MAV's products and services. It features articles that are relevant to MAV's offerings.

All three publications are keen to receive more submissions from MAV member teachers and schools. Knowledge sharing amongst peers makes for rich reading.

Vinculum, *Prime Number* and *Common Denominator* consistently deliver value to member schools and teachers and have a strong focus on excellence in mathematics education.

LOUISE GRAY

MEMBERSHIP, MARKETING & COMMUNICATIONS AND PUBLIC EVENTS

Annual MAV membership figures over the past three years have been:

	2013	2014	2015
Individual	383	433	525
Institutional	970	954	859
Total	1353	1387	1384

While the total membership of the MAV has remained fairly similar over the past 3 years, there has been a noticeable shift towards more individual members. In 2016/17, MAV council will seek to promote more institutional memberships, particularly in the primary and early years sector.

In 2015, the MAV again sought the views of its members by taking part in the annual Associations Matter survey, carried out by Survey Matters. This year we received responses from 1125 members, which was 18% of those surveyed. This provides a 95% confidence interval $\pm 3\%$.

Key findings for 2015 include:

- 90% of respondents agreed or strongly agreed that the MAV is respected in the industry
- According to our members, the most important function MAV provides is quality professional development, with 95% of respondents rating this as critical or important. This is closely linked to the importance of networking for our members, with 90% indicating that the opportunity to attend events and network with others was important or critical.
- When looking at the method of delivery of professional development, conferences and workshops (67%), face to face short courses (42%) and online short courses (31%) are the main preferences for methods of delivery.
- 94% of MAV members rated information provision as important or critical, underlining the importance of a clear communication strategy for the Association. While 81% of our members indicated a preference for email communication, and 51% chose the MAV website as the best way to provide information, print journals had a much lower preference, with just 19%. Social media was also lower, with a preference of just 14% - this figure may reflect the older demographic of many mathematics teachers, but is likely to change as more younger members enter the profession.
- One area for development is promoting the profession to the public, with 81% of MAV members rating this as important or critical, but only 42% rating MAV performance in this area as effective.
- 85% of MAV members are satisfied or extremely satisfied with their membership, up from 70% in 2014, with just 1% of members critical of the association.

MAX STEPHENS

STUDENT ACTIVITIES REPORT

COMMITTEE MEMBERS:

Frances Sidari
(Convener)

Julie Allen (The Full
Pretzel)

Jennifer Bowden
(Education Consultant)

Helen Haralambous
(Education Consultant)

Kelly Gallivan

Allason McNamara

June Penney

Rhiannon Lowrey

2015 was a busy year for the Student Activities Committee and supporting Maths Education Consultants.

Highlights of the year include:

- 10 Statewide Student Games Day along with additional days supported by Maths Education Consultants in city and regional areas.
- In school games activities hosted by MAV Education Consultants
- Family maths nights hosted by MAV Education Consultants
- Successful Victorian MTQ Contest (including the addition of competitors from other Australian states and overseas not already running a statewide competition)
- Nation MTQ hosted by MAV
- VCE Revision Lectures
- Introduction to Coding for students
- Students utilizing Made by Math App

Student Games Days

A Maths Games Day is an opportunity for students to develop their mathematical talents and thinking skills in a setting where maths is regarded as fun and worthwhile with like-minded students from a diverse range of schools. It is an ideal way for students to participate in mathematical activities without the usual classroom pressures and is a very effective vehicle for getting young people – particularly in the middle years of schooling – excited about maths.

In 2015, close to 1,150 attended the ten State Wide Games Days. Special thanks goes to the hosting schools, school coordinators, the many teachers involved and the local commercial sponsors. 2015 was the last years that Wesley College hosted the Year 7 games day. Wesley and in particular Colin Shnier have been great supports of the Statewide Games Day.

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Year Level	School
Year 4	Lowther Hall Anglican Grammar School
Year 5	Penleigh and Essendon Grammar School, Essendon
Year 6	Genazzano FCJ College
Year 6	Lumen Christi Primary School
Year 7	Wesley College, Elsternwick Campus
Year 7	Overnewton Anglican Community College
Year 8	Penleigh and Essendon Grammar School, Keilor Campus
Year 9	Williamstown High School
Year 10	Mount Scopus Memorial College
Year 11/12	Camberwell Grammar School

The MAV continued to process payments for Games Days which commenced in 2014, with positive feedback from host schools. In addition the MAV started to coordinate sponsorship for the statewide Games days. Coordinator schools reported this was a great assistance.

The Students Activities Committee decided that the entry cost of Games days would rise to \$50 to allow a \$7 admin fee toward the MAV. This would cover costs incurred in administering registrations and sponsorship. In 2015 Helen Haralambous and Jennifer Bowden hoped to work with regional schools to encourage them to either host a Games Day or engage an Education Consultant to assist in running a day. This was achieved by assisting Federation University to run a games day with local schools, this will be repeated in 2016. In 2016 Jen and Helen are working towards an online version of games days.

In School games activities

As the State Math Games days are successful events and not all students can attend due to various reasons, the MAV has in addition assisted schools to run a Games Day at a local level. In 2015, MAV was contracted to run a number of School based Games Days at the schools listed below:

- St Mary's Williamstown
- Oatlands Primary School (gifted and talented)
- Balcombe Grammar
- Federation Uni (Mixed local secondary schools)
- Pascoe Vale Girls (secondary schools)

Family Maths Night

In 2015 Family nights were popular as schools sought the assistance of the MAV Education Consultants to run the event. Education consultants were contracted to work or assist with family Maths Nights at the schools listed below:

- Dandenong West Primary School
- Mt Martha Primary School
- Stonnington Primary School
- Moonee Ponds West Primary School
- Buninyong Primary School
- St Kilda Park Primary School
- Selby Primary School
- Our Lady of Mount Carmel Primary School

Ellen Corovic has been sourcing resources and working with education consultants, particularly David Cook, to create a Family Maths Night booklet appropriate for both primary and secondary schools. This was published in early 2016. Education Consultants have at least seven schools contracted for Family Maths Nights in 2016.

Maths Talent Quest

The Maths Talent Quest (MTQ) has continued to be an important component of the student activities program. In 2015 we encouraged innovative investigations presented online, as well as the embracing of new technologies, such as coding.

The MTQ continues to support the new AusVELS Australian curriculum and in 2016 links will be made to the emerging Victorian Curriculum. A rubric is used in the judging process and students use this rubric to guide their investigations. In 2015 the student activities committee began to update the rubric to make it more effective and reflect the Australian Curriculum, focusing on the proficiencies and highlighting those investigations that focus on a mathematical process.

The MTQ in 2015 attracted 532 entries from 62 Schools, which is an increase on 2014. Many entries are completed at a school level before a school judging process takes place and winning entries are sent to the MAV for State Judging. State judging ran smoothly with a total of 143 judges attending.

In 2015 we again successfully hosted the National Maths Talent Quest and welcomed schools from other Australian states and overseas not already running a statewide competition to enter the Victorian competition, such as Western Australia, South Australia and Hong Kong.

Jennifer Bowden presented 4 workshops to new schools in 2015, and MAV education consultants and volunteers continue to support schools as they begin to participate in the MTQ. The student activities committee is very grateful to the university lecturers and students who support the MTQ through volunteering their time to judge.

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National Maths Talent Quest

In 2015, 52 entries (29 individual, 13 group and 10 class) were submitted to the National Maths Talent Quest, which was hosted in Victoria. The number of entries from Victoria was 24, receiving outstanding results once again with 16 winners at National level. We were pleased to have a number of our judges from the State level assisting with the National judging.

VCE Revision Lectures

The VCE Revision Lectures provide the opportunity for VCE students to have extra tuition in VCE Mathematics (Further Mathematics, Mathematics Methods, and Specialist Mathematics) by highly experienced and enthusiastic teachers (all whom have had VCAA assessing experience). The series was conducted in September/October 2015 at the following locations:

Location	Date
METROPOLITAN	
NORTHCOTE (NORTH WEST)	Saturday, 19 September
GLEN WAVERLEY (NORTH EAST)	Sunday, 20 September
UPWEY (NORTH EAST)	Sunday, 20 September
CAROLINE SPRINGS (SOUTH WEST)	Tuesday, 22 September
REGIONAL	
SALE (SOUTH EAST)	Monday, 21 September
HORSHAM (SOUTH WEST)	Sunday, 4 October
WANGARRATA (NORTH EAST)	Saturday, 10 October
WARRNAMBOOL (SOUTH WEST)	Saturday, 11 October

The lectures were well attended with just on 1,000 students participating statewide, slightly lower than the record year in 2013 (1,214) but still up from 2012 (800).

A reason for the decline in the overall participation came from a commercial company, which offered VCE revision lectures across a wide range of subjects at LaTrobe University, Mildura. As a result the MAV did not offer revision lectures at Mildura in 2015. Schools that had previously been host schools had students attending the commercial lectures because they could book for numerous subjects. The professional teaching associations, at the instigation of the MAV, are continuing to work collaboratively under the VCE toolbox banner to jointly market their respective revision lecture programs for 2016.

Glen Waverley drew the biggest number of participants and to some extent subsidises the running of the smaller venues. Caroline Springs was a new venue in 2015 due to requests from the school. The inclusion of Upwey helped cater to the students who the MAV had to re – direct in 2014 to other venues from Glen Waverley where the venue had reached capacity. In 2015 the MAV expanded offering some revision lectures on weekdays in the early part of week 1 of the term 3 holidays. This

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was to cater to student feedback that they preferred attending the revision lectures earlier in their term break rather than the last week end as it helped prepare them for the trial exams which the majority of schools run in the latter part of week 1 or early week 2 of the term break. It also served to meet the needs of students who had weekend part time jobs and so prefer weekdays.

For 2016 the MAV plans to change the VCE Revision lecture notes printer to a company that produces a more professional bound colour booklet rather than the previous black and white single staple booklet.

Coding

In 2015 the MAV organised an excursion for students to IBM's design studio. This provided an opportunity to observe real world coding applications in industry, and will be repeated in 2016 due to its success.

Made by Maths App

Students continued to use the Math App as part of an excursion in 2015, with three walks, Swanston Street, Federation Square and LaTrobe University- Melbourne.

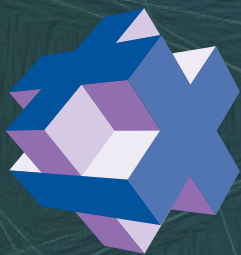
This has inspired Maths teachers to work on Maths Trails in their schools and local areas across Melbourne. We hope to harness this enthusiasm in 2016.

FRANCES SIDARI

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MAV PERSONNEL 2015– 2016

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	Helen Haralambous	
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