AUSTRALIAN MATHS TRUST

2024 COMPETITIONS AND PROGRAMS

Mathematics

KSF. KANGOUROU SANS FRONTIÈRES

60 Minutes Primary | 75 Minutes Secondary | 26-28 March 2024 Competition dates

Divisions
Middle Primary, Upper Primary, Junior, Intermediate, Senior.

Eligibility
Years 3 to 12 AU
Years 4 to 13 NZ.

Inspired by the AMT's Australian Mathematics Competition, **Kangourou sans Frontières** is now the largest maths competitions in the world, with more than 6 million participants each year.

amt.edu.au/ksf

AMC. AUSTRALIAN MATHEMATICS COMPETITION

60 Minutes Primary | 75 Minutes Secondary | 6-8 August 2024 Competition dates

Divisions
Middle Primary, Upper Primary, Junior, Intermediate, Senior.

Eligibility
Years 3 to 12 AU equivalent
Years 4 to 13 NZ.

First run in 1978, the **Australian Mathematics Competition** is Australia's longest running, largest and most well-known maths competition for school students.

amt.edu.au/amc

Maths for Young Australians

MC. MATHS CHALLENGE

3–10 Years | 3–4 Flexible weeks | March to June 2024 Competition dates

Divisions
Middle Primary, Upper Primary, Junior, Intermediate, Senior.

Eligibility
Years 3 to 10 AU equivalent.

Maths Challenge is a problem-solving program for students in years 3 to 10. Teachers receive printed materials including Student Problem Booklets and a comprehensive Teacher Guide with discussion points, extension questions, teaching suggestions and a detailed marking guide.

amt.edu.au/challenge

ME. MATHS ENRICHMENT

4–10 Years | 12–16 Flexible weeks | April to October 2024 Competition dates

Divisions
Ramanujan, Newton, Dirichlet, Euler, Gauss, Noether, Pólya.

Eligibility
Capable and talented students, Years 4 to 10 AU equivalent.

Maths Enrichment is an extension program for talented students to widen their mathematical knowledge and skills.

Teachers receive comprehensive printed support material to extend both student learning and their own mathematical teaching practice. Enrichment material develops mathematical concepts not covered by the standard curriculum. Printed materials can be retained by students as an enduring reference through their school years.

amt.edu.au/enrichment

Algorithmics

Bebras BEBRAS COMPUTATIONAL THINKING CHALLENGE

45 Minutes Middle Primary | 60 Minutes other divisions | 23 April to 9 May 2024, 8-24 October 2024 Competition dates

Divisions
Middle Primary, Upper Primary, Junior, Intermediate, Senior.

Eligibility
Years 3 to 12, AU only.

Bebras is a fun and engaging computational thinking challenge for students in Years 3 to 12. It is an international challenge that involves over 2.9 million students from 60 countries.

With support from CSIRO, Bebras Challenge is free for Australian schools in 2024.

amt.edu.au/bebras

AIMO. AUSTRALIAN INTERMEDIATE MATHEMATICS OLYMPIAD

7–10 Years | 4 Hours | 12 September 2024 Competition date

Eligibility
Years 7 to 10 AU equivalent.

Australian Intermediate Mathematics Olympiad is a highly challenging maths competition designed to identify and stretch talented students.

The paper is pitched at a Year 10 level but may also be of interest to motivated and talented students in years 7 to 9 looking to pursue Olympiad-level mathematics.

amt.edu.au/aimo

CAT. COMPUTATIONAL AND ALGORITHMIC THINKING

60 Minutes | 21-23 May 2024 Competition dates

Divisions
Upper Primary, Junior, Intermediate, Senior.

Eligibility
Years 5 to 12 AU equivalent
Years 6 to 13 NZ.

The **Computational and Algorithmic Thinking** competition gives students the opportunity to develop their problem-solving skills through algorithmic thinking. It uses unique three-stage tasks to encourage students to develop informal algorithms and apply them to test data of increasing size or complexity.

amt.edu.au/cat

OUCC. OXFORD UNIVERSITY COMPUTING CHALLENGE

2 Rounds | 60 Minutes | R1: 18-20 June 2024, R2: 1 August 2024 Competition dates

Divisions
Upper Primary, Junior, Intermediate, Senior.

Eligibility
Years 5 to 12 AU equivalent.

The **Oxford University Computing Challenge** helps students develop skills to produce programmed solutions to computational problems. Participants will need to be familiar with Blockly or other coding languages (depending on the division). Second round is by invitation to those who performed well in the first round.

amt.edu.au/oucc

AIO. AUSTRALIAN INFORMATICS OLYMPIAD

3 Hours | 29 August 2024 Competition date

Eligibility
Years 7 to 12 AU equivalent.

Australian Informatics Olympiad recognises and challenges students with an interest in computer programming. Participating students will need some programming experience and be able to write code.

amt.edu.au/aio

AUSTRALIAN MATHS TRUST

2024 CALENDAR

AMT is best known for its extensive range of maths, STEM, computational and algorithmic competitions and programs – from one-day events, like the Australian Mathematics Competition through to teacher-led programs that run over a series of weeks or months.

Add AMT's programs and competitions to your 2024 school calendar now

JANUARY

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

FEBRUARY

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29		

MARCH

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	**26**	**27**	**28**	29	30
31						

APRIL

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	**23**	**24**	**25**	**26**	**27**
28	**29**	**30**				

MAY

S	M	T	W	T	F	S
			1	**2**	**3**	**4**
5	**6**	**7**	**8**	**9**	10	11
12	13	14	15	16	17	18
19	20	**21**	**22**	**23**	24	25
26	27	28	29	30	31	

JUNE

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	**18**	**19**	**20**	21	22
23	24	25	26	27	28	29
30						

JULY

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

AUGUST

S	M	T	W	T	F	S
				1	2	3
4	5	**6**	**7**	**8**	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	**29**	30	31

SEPTEMBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	**12**	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

OCTOBER

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	**8**	**9**	**10**	**11**	**12**
13	**14**	**15**	**16**	**17**	**18**	**19**
20	**21**	**22**	**23**	**24**	25	26
27	28	29	30	31		

NOVEMBER

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

DECEMBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Kangourou Sans Frontières	Tuesday **26** to Thursday **28 March**	**Oxford University Computing Challenge**	Round 1: Tuesday **18** to **Thursday 20 June** Round 2: Thursday **1 August**
Bebras	Round 1: Tuesday **23 April** to Thursday **9 May** Round 2: Tuesday **8** to Thursday **24 October**	**Australian Mathematics Competition**	Tuesday **6** to Thursday **8 August**
Computational and Algorithmic Thinking	Tuesday **21** to Thursday **23 May**	**Australian Informatics Olympiad**	Thursday **29 August**
Australian Intermediate Mathematics Olympiad	Thursday **12 September**		
Maths Challenge	March to June Results due **21 June**		
Maths Enrichment	April to October Results due **18 October**		

2024 PRICES

Individual Pricing

		Cost per student A$ (GST incl)
Mathematics Competitions	KSF	$5.00
	AMC	$8.50
	AIMO	$22.30
Informatics Competitions	Bebras	FREE
	CAT	$8.50
	OUCC	$5.00
	AIO	$22.30
Mathematics Programs	MC – Middle and Upper Primary	$21.20
	MC – Junior and Intermediate	$29.00
	MC Marking	$27.00
	ME	$53.00
	ME Marking	$51.00

All prices are in Australian dollars and are inclusive of Australian GST.

Pricing shown in Australian dollars and are inclusive of GST. All details are applicable to Australian and New Zealand schools, home schools and coaching clinics. For information regarding pricing and availability in other countries, please visit our registration page.

To register go to competitions.amt.edu.au/admin and log in using your username and password or create an account. Once logged in, you can register for multiple events at once, or separately at any time while registration is open.

Orders can be paid immediately by credit card or later via invoice. Invoices for all orders will be emailed to the email address supplied, so ensure this email is correct.

Bundle Pricing

	Bundle	Cost per student A$ (GST incl)
2 comp bundle	KSF and AMC online	$10.50
	OUCC and CAT online	$10.50
	CAT and AMC online	$13.50
3 comp bundle	KSF, CAT and AMC online	$16.50
	OUCC, CAT and AMC online	$16.50
	KSF, OUCC and CAT online	$15.00
	KSF, OUCC and AMC online	$15.00
4 comp bundle	KSF, OUCC, CAT and AMC online	$20.00

AUSTRALIAN MATHS TRUST

2024 KEY DATES AND DEADLINES

AMT's competitions and programs are designed to be used as problem-solving pathways for teachers and students.

A library of high-quality problems is available year-round via our online platform, Problemo, allowing teachers to develop their students' problem-solving skills in the classroom. The problems are drawn from past AMC and CAT papers, and are a great way to introduce students to the types of strategies they can use to tackle those competitions.

Mathematics

The year kicks off in March with KSF, a great opportunity for students to prepare for the AMC in August.

Teachers wanting to bring more problem solving into their extension programs can register for our longer-form programs Maths Challenge and Maths Enrichment, providing challenging problem-solving activities to be tackled over many weeks.

For high performing students, there is a pathway through the Maths Challenge to Maths Enrichment programs, to the AIMO, our most challenging open competition held in September.

Algorithmics

For the first time in 2024, our algorithmics program kicks off in April with the Bebras Challenge, closely followed by CAT in May. Teachers wanting to explore algorithmic thinking can access our free year-round Bebras resources.

For students with coding skills, we offer the OUCC as a two-round competition in June and August, followed by the AIO, our most challenging open programming competition, held at the end of August.

Once your students have experienced our problem-solving activities, they'll be back for more each year.

All our open competitions and programs contain unique problems designed each year by leading educators and academics to challenge and extend your students' problem-solving skills.

Registrations open Monday 26 February 2024

Competitions		Delivery date	Pre-competition		Post-competition	
			Paper entries close	Online entries close	Student answer sheets (printed delivery)	*Late answer sheets (printed delivery)
Mathematics	KSF	26 to 28 March	N/A	22 March	N/A	N/A
	AMC	6 to 8 August	5 July AU, NZ 28 June INT	2 August	9 August	23 August
	AIMO	12 September	6 September	N/A	13 September	N/A
Algorithmics	Bebras	Round 1 23 April to 9 May Round 2 8 to 24 October	N/A	Round 1 12pm, 9 May Round 2 12pm, 24 October	N/A	N/A
	CAT	21 to 23 May	19 April AU, NZ 12 April INT	17 May	24 May	7 June
	OUCC	Round 1 18 to 20 June Round 2 1 August	N/A	Round 1 14 June Round 2 Invitation only	N/A	N/A
	AIO	29 August	N/A	23 August	N/A	N/A

* Student answer sheets received by AMT after the late submission deadline will be processed after Friday 15 November.

Program		Delivery date	Pre-competition		Post-competition	
			Paper entries close	Online entries close	Student results spreadsheets due	*Late results spreadsheets due
Maths program	MC	3 – 4 weeks March to June	17 May	N/A	21 June*	26 July
	ME	12 – 16 weeks April to October	28 June	N/A	18 October*	1 November

* For schools that have ordered AMT marking, deadlines for submission of student solutions are:
  - Maths Challenge solutions due Friday 31 May
  - Maths Enrichment solutions due Friday 27 September