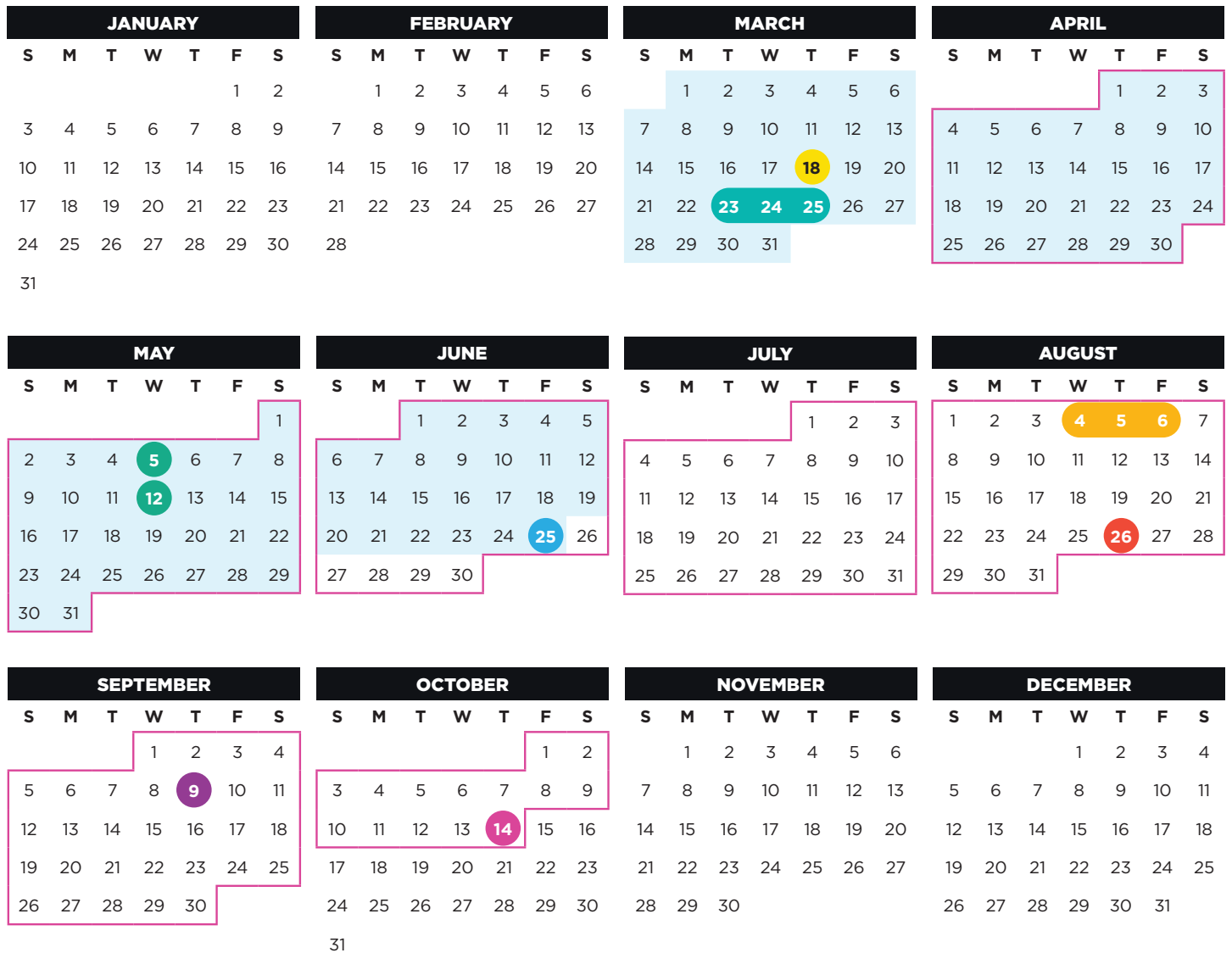


Extend and inspire your students with our tailored maths and algorithmics content



Add AMT's programs and competitions to your 2021 school calendar now

- | | | | |
|--|---------------------------------|---|---|
|  Kangourou Sans Frontières | Thursday 18 March |  Oxford University Computing Challenge | Round 1: Wednesday 5 May
Round 2: Wednesday 12 May |
|  Computational and Algorithmic Thinking | Tuesday 23 to Thursday 25 March |  Australian Informatics Olympiad | Thursday 26 August |
|  Australian Mathematics Competition | Wednesday 4 to Friday 6 August |  Maths Challenge | March to June
Results due 25 June |
|  Australian Intermediate Mathematics Olympiad | Thursday 9 September |  Maths Enrichment | April to October
Results due 14 October |

2021 PRICING AND DATES

Ignite your students' imagination and enrich their knowledge in mathematics and algorithmics

In 2021 we will be offering the following open events for schools to run.

Event	Event date	Cost per student AUD	Open to students	Entry closing date
Kangourou sans Frontières (KSF)	Thursday 18 March	Online only. Available when bundled with the AMC.		
KSF and AMC Bundle	-	10.00	years 3–12	15 March
KSF, CAT and AMC Bundle	-	12.00	years 5–12	1 March
Oxford University Computing Challenge (OUCC)	Round 1: 5 May Round 2: 12 May	6.50	years 5–12	30 April
OUCC and CAT Bundle	-	10.00	years 5–12	Paper: 1 March Online: 19 March
Computational and Algorithmic Thinking (CAT)	Tuesday 23 to Thursday 25 March	6.50	years 5–12	Paper: 1 March Online: 19 March
Australian Mathematics Competition (AMC)	Wednesday 4 to Friday 6 August	6.50	years 3–12	Paper: 25 June Online: 30 July
CAT and AMC Bundle	-	10.00	years 5–12	Paper: 1 March Online: 19 March
Australian Informatics Olympiad (AIO)	Thursday 26 August	19.80	years 7–12	19 August
Australian Intermediate Mathematics Olympiad (AIMO)	Thursday 9 September	19.00	years 7–10	2 September
Program	Program dates	Cost per student AUD	Open to students	School results submitted by
Maths Challenge	3 or 4 weeks March – June	18.50	years 3–6	25 June
		25.50	years 7–10	
Maths Enrichment	12 to 16 weeks April – October	42.00	years 4–10	14 October

Note: Late entries may be processed but materials cannot be guaranteed to arrive by the event date.

To register go to problemo.edu.au and log in using your existing 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.

Maths for Young Australians

The Maths for Young Australians program is designed to motivate and stimulate mathematically interested students. It caters to a wide range of abilities: from challenges that introduce problem-solving concepts through to enrichment studies.

MC.

MATHS CHALLENGE

3-10

Years

4-6

Problems

3-4

Consecutive weeks

Maths Challenge is a fun problem-solving program for students in years 3 to 10, designed to extend their mathematical skills. Interesting problems are presented in a staged approach that encourages critical thinking. Taken individually or as a small group, it runs over a maximum of four consecutive weeks between March and June.

amt.edu.au/maths-challenge

ME.

MATHS ENRICHMENT

4-10

Years

8-16

Problems

12-16

Flexible weeks

Maths Enrichment is an extension program that offers course work and problems to develop new concepts and skills. Designed for students from years 4 to 10 over seven different stages: Ramanujan, Newton, Dirichlet, Euler, Gauss, Noether and Pólya. Enrichment can be run with flexibility over 12 to 16 weeks between April and October.

amt.edu.au/maths-enrichment

AIMO.

AUSTRALIAN INTERMEDIATE MATHEMATICS OLYMPIAD

7-10

Years

10

Problems

4

Hours

The **Australian Intermediate Mathematics Olympiad** or AIMO, is a four-hour contest for talented students up to year 10. Held on **Thursday 9 September**, it is appropriate for those who have completed the Gauss or Noether Maths Enrichment stage, high achievers in the AMC, and students who have acquired knowledge of Olympiad-level problem solving.

amt.edu.au/australian-intermediate-mathematics-olympiad

AMC.

AUSTRALIAN MATHEMATICS COMPETITION

3

Days

30

Problems

60

Minutes Primary

75

Minutes Secondary

4-6 August

Competition dates

The **Australian Mathematics Competition** or **AMC** is one of Australia's largest school-based mathematics competitions. It features unique problems designed by Australia's leading educators and academics, with the goal to demonstrate the importance and relevance of mathematics in students' everyday lives.

The AMC is run by teachers in schools. It is an engaging 30-problem competition, open to students in years 3 to 12.

Held in term 3, the AMC has five divisions: Middle Primary, Upper Primary, Junior, Intermediate and Senior. It is available in both online and paper format. In 2021 we've extended the competition period allowing schools to sit across multiple days.

amt.edu.au/australian-mathematics-competition

Kangourou Sans Frontières

1

Day

5

Divisions

60

Minutes Primary

75

Minutes Secondary

18 March

Competition date

In 1991, two French teachers inspired by the AMC decided to start a similar competition in France. They called it the 'Kangaroo' to pay tribute to their Australian friends.

Now known as **Kangourou sans Frontières** or 'Kangaroo without Borders', it is one of the largest mathematics competitions in the world, with more than 6 million participants each year.

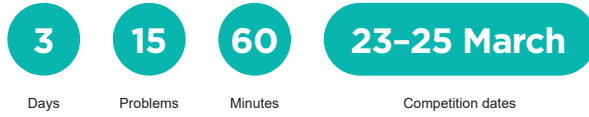
In Australia, the Kangourou sans Frontières or **KSF** is a maths competition for students in years 3 to 12, and is only available online to schools also competing in the AMC.

Like the AMC, KSF has five divisions: Middle Primary, Upper Primary, Junior, Intermediate and Senior.

amt.edu.au/australian-mathematics-competition/kangourou-sans-frontieres-ksf

CAT.

COMPUTATIONAL AND ALGORITHMIC THINKING



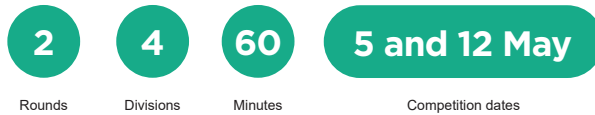
The **Computational and Algorithmic Thinking** or **CAT** competition incorporates unique three-stage tasks that encourage students to develop informal algorithms and apply them to test data of increasing size or complexity.

The CAT is run by teachers in schools, aims to identify coding potential and is open to students in years 5 to 12.

Held in late term 1, the CAT has four divisions: Upper Primary, Junior, Intermediate and Senior. It is available in both online and paper format. In 2021 we've extended the competition period allowing schools to sit across multiple days.

amt.edu.au/cat-competition

Oxford University Computing Challenge



The **Oxford University Computing Challenge** or **OUCC** is a two-round competition held in term 2. The first round is open to all students and the second round is an invitational for the top 20 students in each division from the first round. It is recommended for students who have previously done well in the CAT and would like to progress to the Australian Informatics Olympiad.

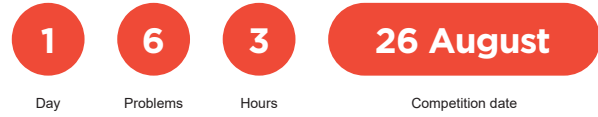
The OUCC builds on the principles used in the CAT competition and helps students develop their skills further to produce programmed solutions to computational thinking problems. Questions are solved using the Blockly programming language, as well the programming languages available to students in their schools for secondary levels.

There are four divisions: Upper Primary, Junior, Intermediate and Senior.

amt.edu.au/computational-thinking/oxford-university-computing-challenge

AIO.

AUSTRALIAN INFORMATICS OLYMPIAD



The **Australian Informatics Olympiad** or **AIO** is an open computer programming competition held in term 3. Students write short computer programs to solve problems that vary in difficulty. The competition does not test computer literacy or knowledge, but is focused on problem solving through programming skills.

There are two papers: Intermediate for students up to year 10, and Senior for students up to year 12. Each paper has six problems, and students submit the source code for their solutions online during the three-hour contest.

The AIO is suitable for an IT class that has learnt some computer programming, or enthusiastic students who have taught themselves.

amt.edu.au/australian-informatics-olympiad

Problememo

POWERED BY AUSTRALIAN MATHS TRUST

Problememo is the new 'go-to' maths problem-solving resource for teachers.

With problem-solving content for years 3-10 it's in an easy to navigate, digital format.

Designed by teachers, for teachers, Problememo gives you the power to create rich learning experiences using the extensive problem library. With extra resources like lesson cards and online student quizzes, you'll never be short of content.

problememo.edu.au