



Dear Parent/Guardian,

This year Newcastle East Public School is offering students the opportunity to participate in two additional mathematics competitions. Details of each competition are outlined below. Student participation is voluntary.

The Australian Mathematics Competition (AMC)

The Australian Mathematics Competition (AMC) is one of the largest single events on the Australian education calendar. Now in its 40th year, the competition was a first in Australia and remains one of the biggest mathematics competitions of its kind in the world. Primary and secondary school students take part annually, attempting the same problems on the same day. It has become a truly international event, with participation by countries throughout Europe, the Middle East, Africa, the Pacific and South East Asia. The AMC is for students of all standards. The earliest problems are very easy and all students should be able to attempt them. The problems get progressively more difficult until the end, when they are challenging to the most gifted student. All students receive a certificate and a detailed report showing how they went on each problem, with comparative statistics. Prizes and medals are awarded at annual state presentations in early November. Students from Years 3-6 are eligible to enter this competition.

Computational and Algorithmic Thinking (CAT)

The Computational and Algorithmic Thinking (CAT) competition is a one-hour problem-solving competition which seeks to identify computer programming potential—something which students might not normally have an opportunity to demonstrate. The competition is an ideal activity to encourage an interest in programming and is suitable for any mathematics class. No prior experience in computer programming is necessary.

The competition employs a mixture of multiple-choice and integer answers, and incorporates unique 'three stage tasks' that encourage students to develop informal algorithms and apply them to test data of increasing size or complexity. The original problems are designed to be quick to solve and highly approachable, and range in difficulty from very easy to challenging. Some questions test the ability to accurately perform procedures, others require logical thought, while the more challenging problems require the identification and application of algorithms. This competition is only available to students in Years 5 and 6.

HOW TO PARTICIPATE

If you would like your child to participate, in either, or both of the competitions, please complete the entry form overleaf and return it, with payment, to the school no later than Monday 5th MARCH. PLEASE NOTE, NO LATE ENTRIES WILL BE ACCEPTED.

Kind regards,

Mrs. Megan Thompson (AMT competition coordinator)

19th February, 2018

2018 Australian Mathematics Trust Competitions Entry Form



I give permission for my child _____ of class _____

to participate in the following 2018 AMT competitions.

Please select the competitions you would like your child to enter.

Event	Event Date	Open to students	Cost per student	Fee enclosed
Computation and Algorithmic Thinking (CAT)	Tuesday, 27 th March	Years 5 and 6	\$6.50	
Australian Mathematics Competition (AMT)	Thursday 9 th August	Years 3-6	\$6.50	
<i>Bundle CAT and AMT package</i>		Years 5 and 6	\$10.00	
			TOTAL	

Name of Parent/Guardian

Date

Signature of Parent/Guardian