**MATHEMATICS @ NHS 2016**

**Enrichment**

A number of co-curricular and extra-curricular activities are provided to support student learning. The Mathematics, Science and Technology faculty are providing the opportunity for students to work on extra-curricular projects through the STEAM club, held every Tuesday lunchtime. Students are exploring application of each discipline in robotics to address real world problems. Our Science in School partners (Vela Georgiev and Scott Ceely) will be available to provide additional support.

Participation in Mathematics competitions is valued by the faculty as an important way to extend students’ knowledge and understanding. Upcoming competitions include The Computational and Algorithmic Thinking competition will begin on the 22nd of March. The Mathematics Challenge is a 3-week student oriented math activity. We recommend all students in particular ACE classes (in which the CAT and AMC are compulsory co-curricular requirements. 2016 Competitions and events are listed below:

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| --- | --- | --- | --- | --- |
| **Event** | **Date** | **Payment** | **Cost** | **Other** |
| Computational and Algorithmic Thinking | Tuesday 22nd of March | 18th of March |  $10   | Y7 - 10, Compulsory for ACE students |
| Math Challenge (3-week program) | 28/4 – 16/5 | 18th of April | $30 | Highly recommended for ACE students |
| University of Melbourne Math Competition | 4th of May | 29th of April | $5 | Y7 - 10, Recommended for ACE students |
| Australian Mathematics Competition   | Thursday 28th of July | 24th of June | $10 |  Y7 - 12, Compulsory for ACE students |
| Australian Statistics Competition | 5th of September | 22nd of July | TBA | Group project |
| Australian Informatics Olympiad | Thursday 1st of September | 26th of August | TBA | Y7 - 10, Recommended for students interested in programming. |
| Math Talent Quest (6-week project -See Teacher for participation and details. | 23/6 – 25/7 | 18th of July | $20 | Compulsory curriculum component for Y10 Math Modelling Elective class    |

**Careers Advice**

The faculty would like to encourage intermediate and senior students to explore various pathways and careers which utilise a strong mathematics knowledge. Opportunities for students to experience specific mathematically focussed work experience placements with a variety of S.T.E.A.M areas. If you are interested in work experience in the Mathematics, please see Mr. Georgiadis in the GCC office. (Available Tuesday and Wednesday mornings). Students may also book an appointment with Ms Witt for further tertiary and career pathways information.

*Mr George Georgiadis*

*Head of Learning (Mathematics)*