

# STEM at Penrhos College

Penrhos College is a pre K to 12 girls school located in Como. “Penrhos was greatly honoured to be chosen as a finalist in the inaugural Governor’s School STEM Awards,” said Principal Meg Melville.



“Our Secondary School programs cover all the areas of Science, Technology, Engineering and Mathematics. Whilst our entry was at the Secondary School level, Penrhos is a Pre K to 12 school and our approach to STEM is very much a whole school approach. Penrhos College is a notebook school with our one to one program having been in place since 1996 across Years 5 to 12. Technology is integral to our development of the students’ 21<sup>st</sup> Century Learning Skills.”

Secondary School students are offered programs based on their interest levels. The schools is delighted students have demonstrated such a strong aptitude in their pursuit of STEM opportunities.

**Below is a snapshot of some of these programs:**

- Penrhos Profs @Perkins: Passionate Year 11 students travel to the Harry Perkins Institute of Medical Research to undertake research with staff, afterschool weekly for 10 weeks.
- Engineers in Schools Program: working with Curtin University
- Girls’ in Engineering Program working with the University of Western Australia.
- Competitions: Young ICT Explorers, First Lego League, EngQuest, STEM Video Game Challenge, IBM EXITE Program.
- Afterschool Co-curricular programs offered in: Robotics, creating apps, coding, rocket-making, 3D printing, STEM entrepreneurship, biochemistry.
- The Maths Mentor program: provides varied learning experiences including afterschool mathematics extension challenges, a Visiting Mathematician Program, invitations to compete in international math competitions and an annual Maths Night which celebrates mathematics.



In 2016 Penrhos held its inaugural USA Space Camp and STEM Tour. The school also formed a Friends of STEM Parent Support Group to provide industry engagement at varying levels for students in 2016.

The Governor’s School STEM Awards recognise principals and school leadership for high quality outcomes and approaches in the STEM subjects as well as in the way STEM teaching is integrated across the learning areas. For more

information on the awards and to learn how your school can become involved, visit

[www.dpc.wa.gov.au/science/AwardPrograms/GovernorsSchoolSTEMAwards/Pages/default.aspx](http://www.dpc.wa.gov.au/science/AwardPrograms/GovernorsSchoolSTEMAwards/Pages/default.aspx)