



STEM Academy - Application

STEM Academy is a dynamic and innovative program for high achieving students in Years 7 to 10. This academically rigorous program is enriched by cutting-edge resources and unique learning opportunities to extend students beyond what is routinely offered in Science, Technology (Robotics, Coding, Electronics), Engineering (CAD, 3D printing) and Maths classes in secondary schools. STEM Academy students benefit from increased access to the outstanding resources at our Centre of Excellence in Automation and Robotics, including a new multi-million dollar Robotics and Design complex.



Program Benefits

- Inquiry based approach to Science, with regular laboratory time and an emphasis on hands-on learning
- Innovative use of Technology – designing and building specialised robots; coding and flying drones; programming robotic arms; creating Virtual Reality (VR) and Augmented Reality (AR) solutions
- Cutting-edge Engineering – rapid prototyping using 3D printing and laser technologies
- Deep Learning projects in Maths – student driven inquiry tasks that develop critical thinking and collaboration
- Study Skills workshops to boost academic performance

Enrichment Programs

STEM Academy students participate in enrichment programs and activities throughout the year. These include industry excursions, STEM-focused workshops and national competitions in Mathematics, Science and Digital Technology. STEM Academy students also complete an award-winning study skills program that equips them to reach their academic goals.



Entry Requirements

Students must demonstrate high achievement in Maths and Science (with an interest in Digital Technology also desirable) and satisfy high standards in effort and behaviour. Shortlisted students must sit an academic entry exam.

STEM Academy has an annual program fee of \$50 to cover costs of compulsory participation in specialised workshops and national competitions. This fee is subject to change.

In addition to STEM Academy, students can also join Dance, Basketball or Rugby League Academy.





STEM Academy – APPLICATION

Name of Applicant:		Date of Birth:	
Current School:		Current Year Level:	
Parent Name:			
Address:			
Contact Number:		Parent email:	

Selection Criteria

- Academic achievement in Science, Maths and Digital Technologies
- General academic ability as demonstrated in English achievement and NAPLAN results
- Behaviour and Effort / Industry – report cards and OneSchool records (state school students)
- Attendance data for the previous year (>90%)

Qn 1: What particular aspects of Science, Technology, Engineering and Maths interest you? Is there a particular invention, innovation or person that has inspired you? What area of STEM would you like to have a future in?

Qn 2: Describe an assessment piece in Maths, Science or Digital Technologies that you are proud of:



STEM Academy – STUDENT CONTRACT

To participate in the STEM Academy, students are expected represent the school with pride, uphold high standards and actively contribute to the school across a number of areas. If accepted into the program, you are required to demonstrate the following behaviours:

- Demonstrate behaviours that represent being a ‘Safe Respectful Learner’
- Have 95%+ school attendance, be punctual to every class and bring all required equipment each lesson
- Participate fully in all classes and complete classroom work to the best of my ability
- Complete all assessment tasks to the best of my ability, including drafts, and submit them on time
- On report cards, achieve a ‘C’ or higher for both Effort and Behaviour in all subjects
- Behave in a way that does not tarnish the reputation of Alexandra Hills SHS, at school or in the community
- Follow teachers’ instructions in classes and in the grounds at all times – first time, every time
- Respect other students’ right to learn and my teachers’ right to teach
- Be polite to all members of the school and wider community, always using appropriate language
- Wear my school uniform in the appropriate manner, and adhere to the dress code for haircuts and jewellery
- Attend all STEM Academy program workshops or events
- Complete all online national competitions selected in the STEM Academy program
- Attend any STEM showcase evenings
- Pay the annual STEM Academy fee by Week 4 of Term 1 (or have started a Payment Plan)

Consequences for non-compliance:

- You may be removed from the STEM Academy program
- You may be issued other consequences, in accordance with the Student Code of Conduct

Agreement: I / We agree to the student contract for students in the STEM Academy

	Name	Signature	Date
Student			
Parent / Guardian			

For students new to AHSHS:

Submit this STEM Academy application, plus an Enrolment Application Booklet at a Deputy Principal enrolment presentation (Year 7) or Deputy Principal enrolment interview (Years 8 -12).

For current students of AHSHS:

Complete this application and submit it at Administration reception between 8am – 4pm on school days.