How to apply for Specialist ICT

Year 6 students are required to submit a portfolio and attend a practical workshop assessment. Please contact the Enrolment Officer for further information or assistance with the application process, phone 9270 5700 or email hampton.shs@education.wa.edu.au.
Specialist ICT Program, students work in a supportive and challenging environment. In keeping with the very dynamic nature of technology and its varied forms, over the four year program, students are exposed to a range of skills at different levels. We make no assumptions about our digital natives and ensure that they learn the basics, as well as the really exciting stuff! IT enables the development of other areas: sport and fitness, the arts, scientific endeavour, space exploration, security. The possibilities are endless.

Key strengths of the program are:
- Specialised knowledge and skills transferable to other areas of endeavor
- Involvement in external competitions
- Productivity skills - report writing, evaluation and surveys
- Design for a purpose and specific audience
- Programming concepts - planning, organisation, programming and testing
- Legislation - copyright, intellelucal property, personal security
- Innovation – “do cool things that matter”

Their project work in teams develops the project management skills integral to all industries, but particularly in IT, where communication with people across many countries is often the case.

Competitions such as RobocupJunior foster individual and team initiatives. The real world application of robotics continues to evolve at a rapid pace with autonomous machines being built for industries as diverse as medicine, civil engineering and manufacturing. Autonomy and connectedness are the way of the future with the Internet of Things.

The FIRST (For Interest in Research of Science and Technology) Lego League competition provides students with the opportunity of truly experiencing a STEM (Science, Technology, Engineering and Maths) pathway. The competition scenarios each year demand creative problem solving and the results are usually amazing.

With the eclectic range of skills that we provide with our specialist program, our past students have gone on to be successful in careers in networking, computer science, engineering, architecture, graphic design, web and game design.

Key outcomes for students include:
- Interpersonal and communication skills (written and oral)
- Project management skills
- Event organisation and presentation skills
- Leadership, negotiation, analytical skills
- Online safety awareness

Student Testimonials
“[The Specialist ICT program provides students with opportunities to complete interactive tasks with other students and teachers utilising a range of technologies. I enjoy learning about different uses of technology and how that can make the application to everyday life even easier. I love the challenges we are given to work with 3D printing and robotics programming as well as entering our robots in to competitions.” - Jasmine Year 9

“I joined the Specialist ICT program because the course is challenging, I like technology and the teachers are fun”.
Adrian Year 8

“Specialist ICT is definitely my favourite class, as the other students are very friendly and creative.”
Rhythm Year 8