

ADVANCED TECHNOLOGY PROJECT

The Advanced Technology Industry School Pathways Program is an initiative funded from the Commonwealth by the Defence Materiel Organisation (DMO).

The program aims to increase the numbers of students studying Science, Technology, Engineering and Mathematics (STEM) while at school and post school. The increase in professional and vocational pathways will increase the pool of highly-skilled young people in technical and professional career paths and in emerging industries of importance to South Australia's future economic development. There are nineteen schools involved in this program in which Hamilton is an accelerated partner school.

The ATIP project reinvigorates secondary school studies with specific focus on integrating maths and science with studies in technologies. This combination develops middle school pathways in collaboration with defence industry organisations, South Australian universities and Registered Training Providers to ensure students receive up to date, industry-relevant education with a focus on future careers in fields such as engineering, robotics, electro-technology, sustainable energies, technical design and manufacturing.

In order to achieve this, Hamilton has developed:

- **Middle school STEM plan**
- **Trans-disciplinary STEM Projects in year 8 and 9**
This could include the design and manufacturing of Kinetic Car, Wind Turbine, Space Shuttle or Water Rocket.
- **Tertiary and vocational pathways in to STEM area**
Hamilton is a VET Registered Training Organisation. Half of Hamilton Secondary College university entries are STEM related degrees.
- **Tertiary and industry partnerships**
- **Regional STEM events in Southern Adelaide**

For further information

<http://dlb.sa.edu.au/atmoodle/>



Australian Government
Department of Defence
Defence Materiel Organisation



Government of South Australia
Department for Education and
Child Development