

TECHNOLOGICAL & APPLIED STUDIES FACULTY (TAS) - SEMESTER 1

The TAS Faculty and students have faced some necessary disruption over the past term as building and renovations are now in full swing as part of the transition to the new TAS Facility later in 2018. The Computer Room, T4 Engineering workshop and the Staffroom of the existing TAS Block have temporarily relocated into demountable classrooms to allow for construction and renovations of the old TAS block to become dormitories, eventually housing up to 50 boarders. The demountable classrooms are proving to be a good compromise in the short-term. The students still have access into the main workshops but it will soon be the end of an era for the old Myall TAS Block when the TAS Faculty moves down to the new TAS Facility.

The new TAS Facility is reaching an exciting phase where the concrete slab, the structural frames and the roofing material have been installed. It is certainly a great spectacle to witness this tremendous building taking shape! It is expected that classes will commence in this new space in Term 4, definitely an exciting time!



On the teaching and learning side, the students have been actively working in each of their subjects and the range of activities being undertaken is very diverse to say the least!

Mandatory Technology (Stage 4)

The juniors studying Mandatory Technology in Years 7 and 8 have completed their rotations through different workspaces including cooking, metal, timber, computing and graphics. Coding has been one of the Year 7 focus areas this year and the boys have enjoyed the challenge of creating code to control devices and to make simple games. Throughout each context area there has been some great work produced and the levels of engagement have been high. Well done boys!

Industrial Technology (Stage 6)

Major Projects in the HSC Industrial Technology in Metal and Multimedia courses are nearing completion. The students in these courses are working hard to complete their Major Projects and Folios for final submission in Week 4 next of next term!

Engineering Studies (Stage 6) & IT-Engineering (Stage 5)

In Year 12 the students have completed units studying Civil Engineering, Transport and Aerodynamics. Next term we will be studying Telecommunications with excursions to Tamworth airport and the telephone exchange planned to consolidate classroom material.

In Year 9 &10 Industrial Technology-Engineering the students have been working on building and testing numerous items. Under guidance from Mr Parker, the boys have built and raced CO2 powered cars, built structures they've tested to destruction and built bottle rockets that have flown in excess of 70 metres. The students are also learning to model project designs in Fusion 360 on their computers. This is a great piece of software to produce CAD drawings.

Industrial Technology – Metal (Stage 5)

The students in Year 9 have built toolboxes, chipping hammers and have been busy on the metal lathe. In Year 10 hacksaws has been constructed and weld samples produced to further develop their skills. All Year 10 students are now well into their Major Projects; folios and drawings have been produced over this semester and these documents and plans guide them through the fabrication of their projects.

Industrial Technology – Timber (Stage 5)

Mr O'Connor has been working closely with the boys doing Industrial Technology Timber. The Year 9 students have developed their skills constructing a breakfast tray and designing a picture frame. With an emphasis on quality, through hand skill development, techniques with the router, finishing and IT skills in the folio. In Year 10 the students have designed, planned and costed their major work for the year. At this stage all students should have their material for their major work and they should be productively working.

Food Technology (Stage 5)

Mr Philp and Mrs Wilde have been leading the Food Technology and the boys learning some great skills in food preparation and food handling. The students in Year 10 have been studying Food Service and Catering this semester and have been cooking up a variety of meals. Year 9 students have been developing basic skills and techniques in the kitchen and studying health and nutrition.

Information and Software Technologies (Stage 5)

These classes have been busy learning numerous software applications and have been very productive in creating algorithms and writing code to produce Interactive Virtual Drum kits and 3D Games. Under guidance from Mr Pollock, the level of interest, achievement and enjoyment that the boys are gaining from these classes is a reflection of their engagement in this course.

Graphics (Stage 5)

In Graphics this semester the focus has been the consolidation of drawing principles related to manual drafting, including orthogonal drawing, pictorial drawing and rendering. The boys have just started of CAD drawing using Fusion 360 and Sketchup. They will be completing modules in the production of engineering drawings and then move onto architectural drawing.

It has been a very busy, challenging and industrious semester for all classes doing TAS subjects. The level of engagement has been pleasing, and the boys should be congratulated on their efforts.

[Eric Reading, Head Teacher, TAS Faculty](#)

