

How Does C2C Impact on Students?

“Students’ problem-solving, team and employability skills have markedly increased and their career awareness, especially of advanced manufacturing opportunities, has risen.

Students have also gained insight into the important role that mathematics, science and technology have to play in their futures.

As a result many more of these students have chosen mathematics, physics and electrotechnology studies in their senior years, a significant proportion seriously considering engineering career pathways.”

Bob Haskard, Sustainability & Innovations Coordinator, Valley View Secondary School

C2C Expo 2011

It’s almost that time of year again!

This major celebration of the concepts and creations of C2C students will be staged at the Golden Grove Community Arts and Recreation Centre on Wednesday 9 November.

Our patron, His Excellency Rear Admiral Kevin Scarce AC CSC RANR, Governor of South Australia will arrive at 11.00 am and student exhibits will be presented until 1.00 pm.

All interested parties are more than welcome to attend this event.

The Growth of C2C Continues

From humble beginnings in 2005, the Concept2Creation (C2C) program is now being delivered in 26 schools with almost 3,000 students participating in various projects. In addition to this growth in participation, the project offerings have also expanded to engage students of various interests and year levels.

A significant part of this growth has been the entry of several schools from the southern and western suburbs of Adelaide. This has been matched by some significant industry partners from these areas also committing to support the program. These include Toyota Gosei, SAGE Automation, Seeley International, Redarc Electronics, Copeland Industries and Carl Zeiss Vision.

Holden Cruze Challenge

NAMIG has worked in conjunction with GM Holden, Scalextric and PTC Software to develop an exciting new C2C project. It involves student teams being provided a very basic car kit that encourages them to analyse and develop improved assembly, design and economy in the vehicle.

The overall project is intended to occur over Years 8-11 with separate challenges being staged to assess quality assembly and economy principles that are developed by the teams.



This project has been greatly enhanced by NAMIG securing ex-Holden engineer, Ron Stevens, as the project leader. He is assisted by four young GM graduates and contributions from SAGE Automation, Baker Pattern Making, Acrylics Plastics, Sonnex Engineering and Southern Model Supplies.

Industry Forums

From its inception, C2C has been an industry-led initiative forging links between advanced manufacturing companies and local schools through project-based learning.

Industry forums are planned for existing and potential industry partners during the latter half of the year. The forums will update industry partners on how the C2C program has changed and grown in recent times and highlight ways in which companies can continue to engage with C2C students and teachers.

The first industry forum will be held with our industry partners involved in aviation and will showcase the ever-popular UAV Challenge and the new Introduction To UAV project. This event will be held on Wednesday 26 October, 5.00-6.30 pm at the Classic Jets Fighter Museum, Parafield Airport.

Coming Events

Tues 27 Sept 3.45-5.00
Teachers Meeting (North)
Banksia Park International
High School

Thurs 29 Sept 9.00-2.30
UAV Challenge Day
RAAF Edinburgh

Tues 25 Oct 3.45-5.00
Teachers Meeting (North)
UniSA, Mawson Lakes

Wed 26 Oct 5.00-6.30
Industry Forum
Classic Jets Fighter
Museum, Parafield Airport

Fri 28 Oct 9.30-11.30
AGM & Annual Review
Mawson Centre, Mawson
Lakes

Tues 1 Nov 3.45-5.00am
Teachers Meeting
(South/West)
Hamilton Secondary College

Thurs 3 Nov 7.30-10.00
NAMIG Board Meeting,
Polaris Centre, Innovation
House East.

Wed 9 Nov 10.30-1.00
C2C Expo, Golden Grove
Arts & Recreation Centre

Tues 29 Nov 7.30-9.00
C2C Teachers Breakfast
Mawson Lakes Hotel

New Offices

The NAMIG Coordination team has recently relocated within Innovation House to the new Polaris Centre.

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UAV Challenge



Staff from RAAF Edinburgh recently collaborated with Simon Butterworth of AVITUS and Andrew Young of Lockheed Martin, to provide an induction for students participating in the C2C UAV Challenge.

The new base commander, Air Commodore Noel Derwort CSC, launched the day for around ninety participants from 7 high schools in the impressive new Monash facility at the Edinburgh base. This recognition of the program by the Commander set a great tone for the day.

Teams of senior school students will now work with their teachers and mentors to develop their UAVs to complete the Challenge. They will be required to submit a technical report and project evaluation, participate in a project appraisal before an industry panel and fly the challenge. The UAV Challenge Day will be held at RAAF Edinburgh on Thursday 29 September and the winning team will be presented with the Challenge trophy at the C2C Expo on Wednesday 9 November.

Churchill Fellowship

NAMIG General Manager, Bernie Fitzsimons, recently returned from a study tour of the USA and Canada where he studied a range of programs and partnerships which complemented operations of the C2C program.

This included studying the strategies being used to increase career awareness of emerging industries and the uptake of STEM in their schools. One particular action was the inclusion of Engineering as a distinct subject in curriculum from early to senior years of schooling.

The study tour culminated in a five-day international conference on Engineering Education in Vancouver.

We look forward to some of these strategies and projects enhancing C2C in 2012.

BAE Systems / C2C Scholarships 2012

It was great news recently when Kim Scott, Acting Director of BAE Systems, advised that the company will continue to support this scholarship program.

Now entering its fourth year, this programme offers three scholarships per year to students entering tertiary courses that align with the skills needs of the defence industry. In addition a grant of \$4,500 for each year of study, the scholarships also provide paid work placement, a mentor and a buddy to support recipients.

Existing recipients continue to perform credibly in their existing courses at TAFE and university in a range of engineering-based courses.

Lean Manufacturing Workshops

An important and popular element of the C2C year continues to be the Lean Manufacturing Workshops run in schools by the Coordination Team.

The Lean Manufacturing Workshop introduces Year 10 students to the concept of lean manufacturing through a challenging and fun activity. The workshop also demonstrates the importance of team work and communication, skills which students find invaluable in their C2C projects.



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Government of South Australia
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