Welcome

Welcome to our term 4 newsletter!

It has been another busy time for our team this term, finalising work for 2014 and planning and preparing for 2015.

There will be some changes to our structure and personnel in 2015 due to the implementation of the new DECD Student Pathways Strategy. We will keep our stakeholders informed as these changes are confirmed in the new year.

We would like to take this opportunity to wish our schools (staff, students and families), employers, training organisations and colleagues, a merry Christmas and a happy new year.

Toni Andrew
Manager, Western Adelaide Secondary Schools Network

School-based Apprentice/Trainee of the Year: Zoe Anastasiou

Each year, our Apprenticeship Brokers review all students they have assisted in School-based Apprenticeship or Traineeship contracts, to determine the annual regional School-based Apprentice/Trainee of the Year Award winner. This involves reviewing students’ application to work and study, attitude, commitment, and achievement in their qualification.

We are pleased to announce that Zoe Anastasiou from Henley High School is the recipient of this year’s annual Award. In addition to an exemplary approach to her School-based Traineeship in Certificate III Business Administration, she has achieved outstanding year 12 (SACE Stage 2) results, consisting of four As and two “top of subjects”. She also claimed the Henley High School Specialist Sport Program “all-rounder” award which acknowledges excellence in combining high level sporting commitments and academic studies.

In May last year, Zoe commenced her School-based Traineeship with Sheridan’s Accountants and Financial Planning in Glenelg. Her dedication, commitment and ability to produce quality work is supported by outstanding reports from her employer and her Registered Training Organisation, Quality Training and Hospitality College.

Zoe aspires to commence a degree in Commerce at university in 2015, further proving that School-based Traineeships can complement a university pathway.

Zoe has also been nominated for the 2014 Australian Vocational Student Prize where we wish her the best of luck!

“This has been a great opportunity and an experience that has provided me with an insight and working knowledge in a professional accounting environment” (Zoe Anastasiou).

Above: Anthony van Ruiten (acting Principal, Henley High School), Zoe and Chris Houltby (Apprenticeship Broker).
Regional VET Programs

This term, our 2014 Regional VET Programs have come to an end, with students participating in final practical and theory assessments to complete their Units of Competency and their qualification. Term 4 reports have been completed by teachers/trainers for all 524 students who completed courses this term (in total, 615 students commenced courses at the beginning of the year).

I would like to congratulate our students who completed their qualifications at Certificate I, II or III level. Many students will be continuing on to further education and training in their chosen pathway as part of our Regional VET Programs, or further studies with other training providers. There have also been many students who have been successful in gaining school-based or full-time Apprenticeships and Traineeships. We wish our students all the best in their future pathways.

I would also like to thank our Regional VET teachers/trainers for their work this year. Delivering a regional course adds another level of responsibility and reporting for these teachers, which we acknowledge. Their commitment and enthusiasm means that students in Western Adelaide have access to industry-quality training in a variety of industry areas to support their career pathways.

I would also like to thank the VET Leaders in our schools, who spend countless hours supporting and mentoring their VET students and who manage application and selection processes for students and quality assurance processes for VET courses.

As I write this, we have received 775 applications from students for Regional VET Programs for 2015. Host Schools have finalised their selection processes, and are currently notifying students who have been accepted into courses. Our student numbers are continuing to grow each year. Top right is a summary of 2015 applications by industry area. It is looking like another busy year for Regional VET Programs in Western Adelaide—a great example of secondary schools working collaboratively to support the pathways of their students.

Toni Andrew
Manager, Western Adelaide Secondary Schools Network

<table>
<thead>
<tr>
<th>INDUSTRY</th>
<th>NUMBER OF APPLICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automotive</td>
<td>46</td>
</tr>
<tr>
<td>Business Services</td>
<td>21</td>
</tr>
<tr>
<td>Conservation and Horticulture</td>
<td>17</td>
</tr>
<tr>
<td>Construction</td>
<td>181</td>
</tr>
<tr>
<td>Electrotechnology</td>
<td>35</td>
</tr>
<tr>
<td>Engineering</td>
<td>38</td>
</tr>
<tr>
<td>Hair and Beauty</td>
<td>43</td>
</tr>
<tr>
<td>Health and Community Services</td>
<td>152</td>
</tr>
<tr>
<td>Hospitality</td>
<td>55</td>
</tr>
<tr>
<td>Information Technology, Media and Studio Recording</td>
<td>55</td>
</tr>
<tr>
<td>Maritime</td>
<td>14</td>
</tr>
<tr>
<td>Sport and Recreation</td>
<td>118</td>
</tr>
<tr>
<td>TOTAL</td>
<td>775</td>
</tr>
</tbody>
</table>

Construction Industry White Card Training

This term, our regional White Card course was held on 17 November, with another 20 students from eight schools participating and completing this qualification.

We plan to continue holding regional courses in 2015, and are currently in negotiation with our Registered Training Organisation, ATEC. Dates and registration forms will be available on the Events page of the Trade School website early in the 2015 school year. Please see http://www.wats.sa.edu.au/events.htm.
Seaton High School has been successfully offering a number of Vocational Education and Training (VET) programs through our Trade Training Centre.

Students from Western Adelaide schools (through our Regional VET Programs) have been involved in these collaborative programs along with our Registered Training Organisations (RTOs), ATEC and PIA (Plumbing Industry Association).

The onsite VET courses that we deliver in the Trade Training Centre include:

**Electrotechnology:**

**Certificate I in ElectroComms Skills**
This program is an excellent option for students interested in a career related to any aspect of the Electrotechnology industry. It is delivered in collaboration with ATEC. It is a mix of school-based practical and theory, with workplace learning supporting electrical, refrigeration, electronics and air conditioning companies.

**Certificate II in Electrotechnology (Career Start)**
This course continues the learning and training acquired in the Certificate I course, further investigating the theoretical principles and the practical applications of the concepts learnt.

**Plumbing:**

**Certificate I in Construction**
This course has been designed with the support of the Plumbing Industry Association and is aimed at students seeking a career as a plumber. The course is a mix of practical work, school-based theory, industry visits and workplace learning.

**Certificate II in Metal Roofing and Cladding**
The course extends the students' knowledge and skills from the Certificate I course with a greater emphasis on the practical skills. These include sheet metalwork and welding, plastic welding, stormwater and roof drainage as well as concreting and rendering.

The Trade Training Centre facilities are also used extensively by our students in Design and Technology courses from year 8 to 12 in a broad range of subjects, including Computer Control Technologies, Electronics, Computer Aided Design and 3D Printing, and Materials Construction in wood, metal and plastics.

---

Mr Toni Nash  
Assistant Principal: Learning Technologies  
Seaton High School
The continued growth of School-based Apprenticeships and Traineeships is reinforcing that more students are taking advantage of the flexible option to commence their desired career pathway while completing their SACE.

Employers are also continuing to appreciate the many advantages in commencing an apprentice or trainee in a part-time school-based capacity.

The years seem to go by quicker than the last, and this year has certainly been no exception! It is near the time of the year when both employers and students are considering recruitment and employment options in the workforce.

School-based Apprenticeships have become a preferred option with many employers who are seeking to train and take on part-time staff. Year 10 and 11 students, who know their employment pathway, will have good opportunities through work experience to approach employers for apprenticeship and traineeship prospects.

Employers and students benefit with School-based Apprenticeships. The employer has the opportunity of recruiting apprentices by negotiating the hours that best suit their business needs, and they can receive additional government financial support.

For students, it is a chance to showcase their skills and start their formal apprenticeship contract, working on average 8-25 hours per week. They have the opportunity of earning wages and at the same time, accrue credits for Stage 2 of SACE.

Students who want to start a School-based Apprenticeship now, need to make sure they approach employers with their resume and with the right attitude and motivation. Resumes should be updated and include all practical and theory skills and knowledge gained through school and personal experiences. This includes description of VET courses undertaken and work experience.

If students are successful in gaining a job or a work trial, they will need to contact their school’s Apprenticeship Broker. It is the Apprenticeship Broker’s job to review the viability of the arrangement with all parties and facilitate the process. The Apprenticeship Broker will also ensure SACE credits can be recognised and that it can be supported by the school as part of the student’s learning plan.

If an employer is not seeking staff at this time, the student should leave a copy of their resume with them. Staffing situations can change within a week, and to have an applicant’s contact details handy is a great advantage.

To find out more about School-based Apprenticeships or Traineeships, students can speak with their VET Leader, visit www.wats.sa.edu.au (under ‘School-Based Apprenticeships’), or contact:

Chris Houltby  
Apprenticeship Broker  
0488 584 029  
chris.houltby@sa.gov.au  

Vicki Bryant  
Apprenticeship Broker  
0458 564 603  
vicki.bryant@sa.gov.au

We would like to say a big THANK YOU to all of the employers, training providers, ICAN providers, community groups and secondary schools we have worked with this year. Without your support we wouldn’t have achieved the great success we have had with students commencing school-based apprenticeships and traineeships, and the opportunities for students to have this pathway to complete their SACE and gain an employment outcome.

We sincerely thank everyone for their support throughout 2014 and look forward to another great year in 2015. We wish you all a safe and merry Christmas and a prosperous new year.

Chris Houltby and Vicki Bryant  
Apprenticeship Brokers

Above: Ocean View College’s School-based Apprentice/Trainee of the Year Award joint winners Kate Hastings (left), Uniting Communities Port Adelaide, Certificate III in Aged Care; and Stephanie Everingham (right), Clipjoint, Certificate III in Hairdressing, with Vicki Bryant, Apprenticeship Broker.
Ocean View College: Harbor View Campus 2015

In 2015, Ocean View College is opening a campus in the heart of Port Adelaide. Harbor View Campus will provide young people with the opportunity to complete Certificate III in Business Services in a simulated work environment within a ‘Transport and Logistics’ context.

Logistics is the management of the flow of goods between the point of origin – the supplier, and the point of consumption in order to meet customers or corporation requirements. Logistics touches our lives in many ways and young people at Harbor View Campus will be learning about this industry through exposure to the real world.

Key industry partners have been working with the trainers at the school with the support of Maxima (Registered Training Organisation) to develop real learning linked to a global international business, Rohlig, a global freight forwarding enterprise trading in 32 countries. Other business partners who are sponsoring and supporting this pathway are Flinders Ports, the Australian Maritime College, SA Freight Council, Adelaide Business Hub and Renewal SA, to name a few.

Young people who complete the Certificate III in Business will gain 70 Stage 2 SACE credits. Upon completion of the course young people can do further training, a degree at university or complete an apprenticeship. Student pathways from this training include; Business Management, Business Administration, Reception, Clerical, Accounting, International Freight Forwarding, Logistics, Warehousing and Freight Handling and Finance.

Students could take the opportunity to gain credit towards an undergraduate course at the Australian Maritime College in the area of Maritime and Logistics Management. Studying maritime business and international logistics will open the door to a career that offers young people excellent earning potential and worldwide opportunities.

Young people also have the opportunity to enrol at Harbor View Campus and complete their SACE. SACE Dynamics is a course developed where young adults can plan their study around personal and part-time work commitments and be supported in achieving their career goals.

For more information about Harbor View Campus, contact Marc Hawkesworth at Ocean View College on 8248 1422, or see the school’s website: www.oceanview.sa.edu.au.

Cherry Robinson
Industry Skills Manager

Unique Student Identifier (USI) for VET in 2015

From 1 January 2015, all students undertaking nationally recognised training (ie VET) delivered by a Registered Training Organisation (RTO), will need to have a Unique Student Identifier (USI).

When applying for a job or enrolling in further study, individuals will often need to provide their training records and results. One of the main benefits of the USI is that individuals will have easy access to their training records and results throughout their life. Individuals can access their USI account online from a computer, tablet or smart phone, anywhere and anytime.

Students will need a USI when enrolling or re-enrolling in training from 1 January 2015 if they are a:

- student enrolling in nationally recognised training for the first time, for example studying at TAFE or with a private training organisation, completing an apprenticeship or skill set, certificate or diploma course;
- school student completing nationally recognised training; or
- student continuing with nationally recognised training.

Once individuals create their USI they will need to give their USI to each training organisation they study with so that their training outcomes can be linked.

Please see http://usi.gov.au for more information.

---

Better skills  Better future
Science, Technology, Engineering and Mathematics (STEM)

The Science Alive Expo at Wayville during Science Week was big hit with many WASSN (Western Adelaide Secondary Schools Network) schools attending. Another of the highly successful events attended by our senior students was The University of Adelaide’s Ingenuity 2014 Expo at the Convention Centre. This was an exhibition of student projects and information showcasing chemical, civil, environmental and mining, electrical and electronic, mechanical and petroleum engineering, along with mathematical and computer sciences.

Year 9/10 STEM program
This year, over 40 students from WASSN schools have participated in the UniSA year 9/10 STEM program at Mawson Lakes campus. Students have appreciated the opportunity to experience a wide variety of STEM activities and learn about the opportunities which exist for them in STEM career pathways and further education beyond school. Activities included:
- Introduction to the STEM program, sensor technology, university life
- Penguin Pong/World, Leading Researcher workshop
- 3D printers, planetarium, earth winds
- Maths experience networks, research and careers talk, Game of Set
- Geospatial science/Engineers Without Borders
- Microfluidics/African Solar Taxi

We are extremely grateful to the following WASSN teachers who supervised the excursions, as without their help these excursions would not have taken place: Jamin Lee, Jason Simmonds, Tina Pham, Tracy Moare, Virginia Holt, Fiona Perfitnau, Stuart Williams, Jungmok Lee and Kathy Stylidas.

A sincere thank you also goes to Deb Turley and Celina Bolding and their staff from UniSA, who have organised and facilitated all of these sessions and provided the funding for transport to and from the venue. We greatly appreciate UniSAs support in enabling WASSN students to explore the further education pathways in STEM.

Year 8 Specialist STEM program
Throughout the year, students from Henley, Woodville, Findon, Ocean View, William Light and Le Fevre participated in three full day and two half day STEM workshops at The University of Adelaide, organised by Louise O’Reilly, plus two half days at Henley High building and trialling the API solar car with Design and Technology Coordinator, Angelo Plantadosi. The final workshop was a full day at Henley High where students used mathematical calculations to produce Spirograph and Desmos Maths artworks with Sonya Arnold, Maths Coordinator. You can find some excellent examples of this work at https://www.desmos.com/art.

Seventeen teachers from WASSN schools attended sessions at Henley High and Ocean View College, where they focused on pedagogies which support student led inquiry and tackling unstructured problems. Teachers also shared their experiences and resources with the group.

A number of teachers from WASSN schools have also been involved in the Girls in STEM Professional Learning Community, chaired by Karen Palumbo from ASMS. This term we were lucky to meet at the Flinders University building on Victoria Square to listen to Eva Borowski, Academic Services, Microsoft and Michelle Berrigan, Marketing and Communications Officer, Faculty of Science and Engineering, Flinders University, talk to us about girls in STEM. In the afternoon we were fortunate to secure a tour of the SAHMRI. What an amazing facility!!

STEM Days at Le Fevre High and Seaton High
Le Fevre High hosted a STEM day in cooperation with the DIPP 6 program and TAFE SA Regency campus, where students do 3D modelling and 3D printing once a week for a semester with Mr Anthony Tonkin. Students were given a lecture in the morning by Thierry Herman in relation to Buoyancy, Archimedes Principle, Hydrodynamics, Stability Principles and Naval Engineering and Design, specifically regarding the shape and function of hulls. In the afternoon, students put into practice with Mr Grzeskowiak, the various principles seen in the morning, and produced boats of various shapes and design which they raced against the clock in a purposely built water channel. Data was subsequently analysed to observe correlation between shape of hull and performance. The Naval Engineering and Maritime Science courses delivered by Thierry Herman keep on developing, with the recent acquisition of a test tank that can hold up to 1.5 tonnes of water, which will be used to test buoyance, stability and general hydrodynamics properties of prototypes. This tank was acquired thanks to a BP grant.

Le Fevre High also hosted a sessions for students from Le Fevre High School, Ocean View College and Findon High School for the Subs in Schools program. Students received lectures about Physics and Engineering principles related to submarine technologies and have started building models of ROVs (Remotely Operated Vehicles). They plan on building a bigger model which would be about the same size as small exploration ROVs like the ones used to explore wrecks and inspect underwater infrastructure such as on oil rigs.

In week 6 this term, Mr Tony Nash from Seaton High ran two half day STEM workshops for 45 year 9 students from WASSN schools. Students were given the task of making an electric dragster, then raced it along a 16m track. Students were able to calculate terminal speed, torque generated by the motors, and acceleration. The event was supported by Nigel Stone from Wenig Designs and Dave Symonds from Astronics. Many thanks for their help and support in running the workshop.

Sandra Moran
Assistant Principal, Henley High School

UniSA STEM Teacher PD
We have been very fortunate to have had Graham Hardy, Director, Professional Experience and Enterprise and Bruce White, from UniSA’s School of Education to facilitate these sessions.
Maritime Industry Pathway - One and All Voyage

Last school holidays, Maritime Industry Pathway students completed their Certificate II during a four-day voyage on South Australia’s Tall Ship, the One and All. Twenty students with four teachers spent four days and three nights at sea, applying maritime operations and learning to sail this traditional sailing ship. Weather was good to the crew and fair conditions kept most well. This was the final part of the 2014 Maritime Industry Pathway course that provided opportunities for students to learn skills in boat handling, navigation, teamwork, engineering and safety.

During the voyage, a course was set south for Kangaroo Island, followed by a visit to Snug Cove, a small anchorage on the far western end of the island, before returning via Stansbury to Port Adelaide.

This course is again offered to students in 2015 who have an interest in any aspect of maritime studies. It gives students an insight into the range of maritime related pathways available nationally and internationally, and complements other VET courses such as Engineering and Electrotechnology. Students wishing to apply can speak to their VET Coordinator and find more information on the Trade School website: www.wats.sa.edu.au.

We were invited by the Senior Naval Officer to TECPort to board the HMAS Newcastle, an Adelaide Class frigate, for an in-depth tour of the ship. Our focus was on engineering, which meant that we got to see the working functions of the vessel. The HMAS Newcastle is powered by two gas turbine engines which is a marine version of a 737 jet engine. It also has two V-12 turbo diesel engines to generate the electricity to run the ship’s control systems. We saw all the working parts of the ship that general public tours would never view.

The schools’ links with the navy, defence and the maritime industries in the Port Adelaide region give our VET Engineering course a real focus on career paths that can lead to long term and rewarding employment opportunities for our students.

Rod Hunter
Maritime Coordinator

Maritime Engineering - Tour of the HMAS Newcastle

During ‘Navy Week’, a Senior Naval Officer, along with five navy Technicians, presented a talk about careers in the navy to VET Engineering and other interested students on Wednesday 22 October. Each of the six guests had different qualifications, career pathways and diverse backgrounds that led them to join the Navy. What was evident from each speaker was their love of the sea and the navy lifestyle, along with the extensive travel to remote destinations around the world. Camaraderie and team support was the common point from all speakers.
Woodville High School strongly focuses and fosters health career pathways and provides students with opportunities to pursue these pathways as part of their secondary studies. One of these is through our Certificate III in Allied Health Assistance, now Certificate III in Health Services Assistance. This certificate is not only available to our students, but is offered to all students in the Western Adelaide Region through our Regional VET Programs.

Many of our graduating students have gone on to further study at Flinders University, The University of Adelaide and the University of South Australia. Students have successfully enrolled in both Bachelor of Nursing and Midwifery degrees and others have chosen to pursue an oral health pathway. Other students have secured full time work in aged care facilities, and this year we had a student gain a full time position before graduating from the course after a very successful work placement.

The Certificate III in Health Services Assistance course at Woodville High School is provided for students who have an interest in working in the health industry. It involves training at The Queen Elizabeth Hospital and prepares students for employment under the direct supervision of a health professional, to provide them with assistance in patient care and administration duties.

Pathways include further training at ANMEC (Australian Nursing and Midwifery Education Centre), TAFE SA and University, and can include Nursing, Allied Health Services, Disability Services and Aged Care. Students can also seek employment in the Allied Health field on completion of this qualification as Therapy Assistants, Physiotherapy Assistants, Occupational Therapy Assistants, Podiatry Assistants, and Allied Health Assistants.

We have developed a very positive relationship and partnership with ANMEC, with students gaining access to quality training and facilities as well as quality work placements in a variety of health settings including hospitals, aged care, and dental and allied health clinics. There is also the opportunity provided through ANMEC for students who have completed the Certificate III to continue their nursing and aged care studies at a diploma level.

Woodville High School has a close relationship with Flinders University, and our senior health students were invited to participate in their Enrichment Program and experience a day at the University, closely looking at Health Sciences. These students had a fantastic time visiting the Nursing, Midwifery and Clinical Skills laboratories and seeing the simulated hospital wards in action. They participated in activities teaching them to treat patients correctly, give injections safely and explore anatomy models. They were also informed about being a paramedic, nutrition and dietetics, physical education, speech pathology and audiology.

Many of our year 11 students graduated from the course this year, giving them 70 Stage 2 SACE credits and a very good preparation and head start going into their year 12 studies in 2015. Being enrolled in a VET course has provided them with the employability skills and graduate qualities necessary for a successful future in not only the health industry but in life. Strong communication skills, time management, planning and negotiation are crucial strengths our students have developed throughout their 18 month course.

We look forward to continuing to strengthen our partnerships and successful career pathways for students in the Western Adelaide region through our association with ANMEC, Flinders University, The University of Adelaide and the University of South Australia.

We look forward to working with your students in 2015.

Alana Probert
VET Coordinator
Woodville High School