WHERE CAN I FIND OUT ABOUT COURSES AND CAREERS? The Careers Centre is the obvious starting point, however, there are many other places to obtain information. Examples are CAREER EXPOS, university and TAFE OPEN DAYS, CAREER EVENTS held during the year, and WEBSITES.

CAREER EXPOS: Why attend? Career Expos are a great opportunity to collect information and to talk to staff from a wide variety of education and training providers at the one time and location. Expos are an excellent starting point in your exploration. Coming up (dates for your diary):

- Engineering Careers Expo is 2-7pm, Thurs 29 March, Etihad Stadium; www.engineeringexpo.org.au
- The Age VCE and Careers Expo is from Thurs 3 to Sun 6 May at the Caulfield Racecourse
- The National Careers and Employment Expo is on 18 & 19 May at the Melbourne Convention & Exhibition Centre
- The Herald Sun Career Expo is on 27 – 29 July

OPEN DATES: University and TAFE Open Days are a great source of information as attendance at these provides the opportunity to speak to staff and see facilities. (If you plan to apply for a course requiring an interview, folio presentation or audition as part of the application process, attendance at Open Days really is essential). Open Days generally run from 10am to 4pm. Dates for your diary are as follows (note the two early ones!):

- Sat 23 June – Holmesglen
- Sun 24 June – Victoria Uni and TAFE
- Sat 4 Aug – Monash Uni (Berwick, Gippsland, Peninsula)
- Sun 5 Aug – La Trobe (Albury Wodonga); Monash (Caulfield, Clayton, Parkville)
- Sun 12 Aug – Australian Catholic Uni (Melbourne); Deakin (Warrnambool); Melbourne (Parkville & Southbank); RMIT (Uni and TAFE)
- Sun 19 Aug – Deakin (Geelong campuses); La Trobe (Bendigo); Swinburne (Uni & TAFE)
- Sun 26 Aug – Australian Catholic Uni (Ballarat); Ballarat Uni; Box Hill Institute; Deakin (Melbourne Burwood); La Trobe (Melbourne Bundoora)

CAREER EVENTS: Various Career Events run throughout the year, and you will be notified in CareerNews.

‘At Monash’ Seminar series. These seminars give you a head start when considering where a university degree can take you. (all 6.30-8pm, various campuses):

- Architecture - 7 Mar
- Nursing, Paramedics - 8 Mar
- Pharmacy - 13 Mar
- Business - 14 Mar
- Physio & Occupational Therapy - 19 Mar
- IT - 20 Mar
- Health Science & Social Work - 26 Mar
- Teaching, Sport & Outdoor Rec - 27 Mar
- Medicine, Biomed Science, Radiography & Nutrition/Dietetics - 28 Mar
- Arts - 29 Mar
- Design & Fine Art - 18 April
- Psychology - 19 April
- Science - 8 May
- Performing Arts - 15 May
- Law - 17 May
- Engineering - 28 June

Information: 1800 Monash or 9903 4810; Register and locations: www.monash.edu/seminars

- Trial-a-Trade day at William Angliss Institute, offering 14-18 year olds the opportunity to experience foods and hospitality careers (eg chef, baker, barista or patissier); When: 9.30am-12pm, Sun 18 March; Where: William Angliss, 555 La Trobe St, Melbourne; Cost: $28.00; Info/registration: 1300 264 547 or www.angliss.edu.au/trial.

- Experience environmental science and engineering day at RMIT. Undertake interactive workshops in environmental engineering, urban planning, envronmental science and geospatial science; When: Thurs 5 April; Cost: Free (incl lunch); Information/register: www.rmit.edu.au/experiencedays; Call: Clare, 9925 3699; more ‘Get Real Experience’ activities coming in arts/design, computing, marketing and medical sciences (see website).

- What Really Happens After High School? Find out by being a uni student for a day at La Trobe Uni, which is opening its doors, inviting Yr 10 - 12s and parents to ‘Experience La Trobe’. Join in workshops, find out about student life and check out the campus. It’s free, entertainment and lunch provided. When: Fri 13 April and Tues 3 July (holidays); Where: La Trobe (Bundoora); Register (and check sessions at Bendigo and Albury-Wodonga): www.latrobe.edu.au/experience

CAREERS Information Session at VFIM – Career Information Afternoons have been introduced at the Victorian Institute of Forensic Medicine in response to the large number of enquiries regarding Work Experience. Due to the sensitive and confidential nature of the work carried out at the Institute, they are unable to offer any work experience placements for secondary school students. So VFIM offers an opportunity to attend a Career Information Afternoon designed to offer an insight into the various career opportunities available in the forensic sciences.

Two Career Information Afternoon sessions are held per year during school holidays. The first session will be held during term 1 school holidays.

Date and Time: Friday 13 Apr 2012 12:30pm - 4:00pm
Location: VFIM Lecture Theatre, 57-83 Kavanagh Street, Southbank. Only 70 places are available and they fill quickly. Registration is required. To register please complete the registration form located at: http://www.vifm.org/wp-content/uploads/2011/10/Registration-Form-13-April-20121.pdf. For more information please visit: http://www.vifm.org/events/16/vifm-careers-information-afternoon

Due to high demand for places, no seats are available for parents/guardians.

ICT Achievers Program Now OPEN
The ICT Achievers Program encourages Year 11 students to study and experience an ICT placement by giving them an opportunity to work in the ICT industry. Students are able to see the diversity of ICT careers. Students will be involved in a fifteen working day industry placement with an organisation to be completed by December 31, 2012. The ICT Achievers Program is open to all high ICT achieving Year 11 students. They will need to complete an application, signed by the Principal and Careers or ICT Teacher.

The program is open now. Applications close on March 19, 2012. The industry placement is from May to December 2012.

RSPCA YOUTH HOLIDAY PROGRAMS
During each holiday period, the RSPCA Education Centre in Burwood East offers programs for secondary school students who are considering a career working with animals.

Career Ready!
For students aged 13yrs and older, we have some great careers based sessions for people wanting to work in the animal industry. Sessions include:

- Animal Attendant for a Day (13-18yrs) – Wednesday 4th April – 9:30 – 3:00 pm
- Animal ER (15-20 yrs) – Thursday 5th April – 9:30 am - 3:00 pm

Are you interested in a career with animals? Come and learn about the basic care needs of animals at the RSPCA and how we provide them. Tour our shelter and find out about the role of an animal attendant, adoptions officer and ambulance driver. This is a great first step into working with animals! Places are limited.
Are you interested in working with animals in the future? Take a backyard look at the work of vets and nurses at the RSPCA. Learn about assessing a dog’s temperament, watch live surgery and spend some quality time with our education animals. Places are limited.

Inspector for a Day (15-20yrs)– Wednesday 11th April – 9:30 am – 3:00 pm

Are you interested in and inspired by the amazing work of the RSPCA Inspectors? Come along to our Inspector for a Day session and learn all about this challenging and rewarding role. Participate in crime scene investigation and evidence collection activities and learn about how the RSPCA works to help animals suffering from cruelty and neglect. Places are limited.

Visit www.rspcavic.org for more information about any of our programs. Call Penny on 9224 2286 to book a place.

SWINBURNTE ART & DESIGN DAY

A hands-on day to see what an Art or design course is really like!
Thursday 5 April at the PRAHRAN Campus. Bookings essential so book NOW online:


WEBSITES:

University and TAFE websites are a great source of information. NOTE: A website in last newsletter about tertiary study, costs and financial assistance (with links to other careers sites) for tertiary education is now at www.studyassist.gov.au. A very useful site with a wealth of information.

FOCUS ON A CAREER – I WANT TO BE A NURSE – If so, you have many study options and combinations to consider:

- The Bachelor of Nursing (a 3-year undergraduate degree for registration as a Division 1 nurse) is taught at many universities (ACU, Ballarat, Deakin, La Trobe, Monash, RMIT and VU). It is also taught at some TAFE Institutes (eg Holmesglen)
- A number of universities such as ACU and Monash offer a Bachelor of Midwifery (for those who wish to work with mothers)
- Some offer a double degree in Nursing/Midwifery, where students complete both qualifications in four years (eg Deakin, La Trobe and Monash- Gippsland)
- A number of universities offer other combinations of double degrees such Nursing/Busines Administration (ACU), Nursing/Psychology (ACU – Ballarat, Monash), Nursing/ Psychology and Nursing/Public Health and Health Promotion at Deakin
  - Melbourne University has a post-graduate nursing degree (Master of Nursing Science)
  - Specialisations: Nursing (Community Health – Monash Berwick), Nursing (Mental Health) ACU and Nursing (Practice Leadership)

ACU

- In addition, many institutions offer the 18-month Diploma of Nursing (Division 2), for example, Holmesglen (Moorabbin) Swinburne (Lilydale), and also a number of independent providers. It is sometimes possible to up-grade this qualification to Division 1.

CONSIDER A CAREER IN SURVEYING

If you enjoy subjects like Math, Science, IT and VISCOM, enjoy being outdoors, would like to travel nationally and globally and earn good money, this is a great career to explore. "Surveyors are needed to assist with: building roads and cities, defining property, finding and mining mineral resources, measuring changes in the earth, understanding waterways, finding ancient ruins and developing Google Earth etc". If you would like to find out what surveyors do, where you can study surveying, to watch videos and read career profiles, go to www.iffelwithoutlimits.com.au

WORK EXPERIENCE OPPORTUNITY WITH A SURVEYOR - Interested in Geography, Maths, Science or the outdoors? Looking for a work experience placement that won’t tie you to a desk? If this sounds like you, why not try out Work Experience at a Surveying company.

Students keen on finding out more about a career in surveying might like to take the opportunity to apply for a Work Experience placement with a local Surveyor. Visit http://www.iffelwithoutlimits.com.au/student-work-experience/secondary-students/ and register to receive information about available places.

FOCUS ON CAREERS IN MATHS, SCIENCE AND ENGINEERING

Do you enjoy Math and Science subjects at school? Have you considered pursuing a career in these areas? You may like to explore careers in Mathematics, Sciences and engineering. Math, Science and Engineering shapes our day to day life.

Who produces your breakfast? Farmers, food scientists and technologists, nutritionists.

Who takes you to school? Design & development engineers, petrochemical engineers, automotive engineers, automotive electricians, environmental scientists, mechanics, materials scientists.

Who built your school? Architects, surveyors, structural engineers, electricians, plumbers, carpenters.

Who assists your learning? Teachers, journalists, film producers, software designers, publishers, writers.

Who helps you exercise? Exercise scientists, physiotherapists, sports psychologists.

Who keeps you healthy? Doctors, nurses, pharmacists, biomedical scientists.

Who contributes to your spare time? Computer game developers, music technologists, product designers, sound and lighting technicians.

Exploring Math, Science and Engineering Degrees:

Mathematics: If you are a logical and analytical person who enjoys solving problems with numbers, you may like to explore a career in Mathematics, Statistics and Actuarial Studies.

Employment for Actuaries, Mathematicians and Statisticians to 2014 – 2015 is expected to grow very strongly.

Go to the following websites to find out more -


Engineering: If you are practical, like to know how things work and enjoy analyzing and solving problems, you should explore careers in Engineering.

You can blend engineering with an area you are passionate about. Types of engineering include (and are not limited to): civil, chemical, mechanical, electrical, systems, biomedical, environmental, marine, coastal, mechanical, robotics, computer, mechatronic, aeronautical, automotive, mining, sound, metallurgical, structural- the list goes on!

About 16 800 new engineering jobs will be created over the next 5 years, with about 8800 of these in Civil Engineering. Electrical and Mining Engineers will also be in demand with the creation of new jobs.

Check out the following sites:

www.engineersaustralia.org.au/

Science: There are several broad disciplines in Science. The following are examples-

- Physical science is for people who like to ask questions about why things are the way they are in the world around us. School subjects include Chemistry and Physics.
- Computer science is for people who like to understand how computers work and to learn how develop new programs and systems.
- Life sciences is for people who like to ask questions and think about living things and covers areas such as medicine, biology and ecology.
- Astrophysics is for people who are fascinated with the universe, stars and space exploration.
- Earth science is for people who are interested in soil, rocks, weather and the natural environment.

About 12 800 new jobs for science professionals will be created over the next 5 years, with about 4200 of these in Environmental Science. Demand for Medical Laboratory Scientists and Chemists, Food and Wine Science professionals will also be high.

For more information about science careers, browse through the following links:

www.bsc.unimelb.edu.au/pathways/Careers

For an excellent website which will give you information on Math and Science careers across the globe, go to www.futuremorph.org
ANU OPEN DAY 2011 - VIDEOS
Students who might have hoped to attend an Open Day at the Australian National University (ANU) and not been able to, might like to browse a couple of the following links – recordings made at the 2011 Open Day.

• ANU Open Day Part One (Featuring interviews with visitors to ANU and ANU staff about Open Day): http://www.anu.edu.au/vision/videos/4961/
  ANU Open Day Part Two (Featuring interviews with ANU Staff and students about courses and programs): http://www.anu.edu.au/vision/videos/4951/
• ANU Open Day Part Three (Featuring interviews about accommodation facilities): http://www.anu.edu.au/vision/videos/4941/

NEWS FROM NMIT
➢ CPA accreditation for Bachelor of Accounting
NMIT's Bachelor of Accounting degree has recently been accredited by the Certified Practising Accountants - CPA. A qualification with CPA accreditation allows graduating students a much smoother transition into their CPA postgraduate studies.

More information can be obtained by contact Dr Ernest Mudogo on (03) 9269 8330 or ernestmudogo@nmit.vic.edu.au.
➢ New Diploma of Business (Public Relations) from 2012
NMIT’s new Diploma of Business (Public Relations) covers the latest in digital campaigns combined with corporate communications to equip students for this shifting environment. Students will learn the key aspects of campaign management from concept creation to analysis and of consumer behaviour. They will be able to use this knowledge to create relevant, interesting and effective mass media advertisements and campaigns.

NMIT’s industry partners will offer Work Experience to NMIT students in leading local and international agencies, including exposure to real campaigns from highly credible corporate companies and leading consumer brands.

Major studies include - Advertising, Business Management, Consumer Marketing and Behaviour; Corporate Communications; Copywriting; Fundraising; Government Relations; Multimedia; Public Relations Production and Management.

The course will equip students wishing to enter professional communications, advertising or media industries.

For further information contact the Commerce Department on (03) 9269 1494 or commerce@nmit.vic.edu.au.

AUSTRALIAN MINING INDUSTRY
“The mining industry is important to Australia. It brings in billions of dollars of export income. It provides work for over 750,000 Australians. It supports communities all across the country, today and into the future. We work hard, look after each other and we are committed to Australia. Australian Mining. This is our story!”

Visit www.thisisourstory.com.au and view a number of videos and profiles of men and women who work in the mining industry!

CAREER AS A CIVIL ENGINEER
Civil engineers plan, design, construct and operate and maintain roads, bridges, dams, water supply schemes, sewerage systems, transportation systems, harbours, canals, dockyards, airports, railways, factories and large buildings. Civil engineers may perform some of the following tasks:

• investigate sites to work out the most suitable foundation for a proposed construction
• research and advise on the best engineering solution to meet a client’s needs and budget
• produce detailed designs and documentation for the construction and implementation of civil engineering projects
• organise the delivery of materials, plant machinery and equipment needed for the construction project and supervise labour
• supervise the testing and commissioning of completed works
• analyse and interpret reports on loading, labour, productivity, quality, materials and performance
• analyse risks associated with natural disasters including wind, earthquake, fire and floods, and design structures and services to meet appropriate standards
• arrange for geological and geophysical investigations and carry out feasibility studies.

Civil engineers may choose specialise. Specialisations include -

• Airport Engineer
• Geotechnical/Soil Engineer
• Harbour Engineer
• Highway Engineer
• Hydraulic/WaterResources Engineer
• Irrigation/Drainage Engineer
• Local Government Engineer
• Materials and Testing Engineer
• Pipeline Engineer
• Railway Engineer
• Structural Engineer

Civil engineers may work in offices or spend much of their time on site. They may be required to work long hours and meet strict deadlines while working under minimal supervision. Civil engineers deal with various professional, skilled and semi-skilled people.

Consulting and contracting engineers often travel interstate and some travel overseas. It may be necessary for some civil engineers to change residence every few years as their work takes them from one major engineering site to another.

Personal Requirements:
• able to identify, analyse and solve problems
• good oral and written communication skills
• aptitude for computing and design
• practical and creative
• able to work without supervision
• able to work as part of a team
• able to accept responsibility
• willing to contribute and adhere to the safety requirements of the operation

Universities in Victoria that offer undergraduate degrees in Engineering include -

<table>
<thead>
<tr>
<th>University</th>
<th>Units 3 and 4—a study score of at least 25 in English (ESL) or 20 in any other English, and at least 20 in maths methods (CAS) or specialist maths.</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deakin University</td>
<td>Units 3 and 4—a study score of at least 25 in English (ESL) or 20 in any other English, and at least 20 in maths methods (CAS) or specialist maths.</td>
<td>66.85+</td>
</tr>
<tr>
<td>La Trobe University</td>
<td>Units 3 and 4—English (any), maths methods (CAS) and either specialist maths or physics.</td>
<td>66.6+</td>
</tr>
<tr>
<td>Monash University</td>
<td>Units 3 and 4—a study score of at least 30 in English (ESL) or 25 in any other English and at least 25 in maths methods (CAS) and in one of chemistry or physics.</td>
<td>90.05</td>
</tr>
<tr>
<td>RMIT University</td>
<td>Units 3 and 4—maths methods (CAS) and a study score of at least 30 in English (ESL) or at least 25 in any other English.</td>
<td>85.65</td>
</tr>
<tr>
<td>Swinburne University</td>
<td>Units 3 and 4—a study score of at least 20 in English (any) and maths methods (CAS).</td>
<td>77.1</td>
</tr>
<tr>
<td>University of Ballarat</td>
<td>Units 3 and 4—maths methods (CAS).</td>
<td>62.8</td>
</tr>
<tr>
<td>Victoria University</td>
<td>Units 3 and 4—a study score of at least 22 in English (any) and in maths methods (CAS) or specialist maths.</td>
<td>57.1</td>
</tr>
</tbody>
</table>