Issue 4: 28 June 2019



Swinburne News

From the Principal's Desk

Students, parents and guardians will be able to access comprehensive semester one reports when they are published on Compass School Manager at 4:00pm today. Please take the time to read through the reports thoroughly. I encourage parents to



have a conversation with your child about their performance during semester one. Discussions about a plan to implement the suggestions for improvement, detailed in the reports, is a very worthwhile process. Remember that those students who respond to the feedback by making an effort are most likely to achieve the results that they are after.

Over the past week I have read reports that detail the varied work that our students have completed day in, day out. I have been most impressed by the high level of commitment demonstrated and the corresponding high level of performance across a range of studies.

There is a direct correlation between students' attendance in class and the level of performance in their chosen studies. High levels of attendance more often than not equates to high levels of performance.

Congratulations to all students on reaching the half way mark of the year and I look forward to your continued improvement over the last half of the year.

<u>Breakfast</u>

For term 3, students will be able to get a free breakfast at the school canteen between 8:00 and 8:40am. Students will be able to select two items from a wide range of healthy options. We understand that many of our students skip breakfast in a rush to catch trains to get to school. It is hoped that this initiative will set them up for a more productive morning in class.

Library and Building Funds

Thank you to everyone who was able to make a contribution (tax deductible) to the college's Library and Building Funds. These funds are earmarked to update the school's facilities.

We have plans for a renovation of the library and the ground floor of the three story main building. The library will be opened up to increase its floor space by 30% and a new student services area will require reconfiguring 505 Burwood Road, Hawthorn 3122 Phone: 8862 4400 Fax: 9819 6186 <u>swinburne.senior.sc@edumail.vic.gov.au</u> <u>www.sssc.vic.gov.au</u>

Room 1 and the current Year 11 and 12 Managers' offices and the Careers and Pathways Advisor Office.

The anticipated costings for these works is substantial so it will take some time for the funds to accumulate to the point where the works can be put out to tender.

I sincerely hope that all members of the Swinburne Senior community have a great break. Term 3 begins on on Monday 15 July.

Michael O'Brien Principal

Structured Workplace Learning

Senior VCAL student's will be commencing their Structured Workplace Learning Placement over the course of ten weeks in term three. This is a very valuable and important program for the class.

I would like to thank Dennis Cedric from the Inner Eastern IELLEN for the excellent work he has done with organising this program for us.

Samuel Andrews – Hospitality placement Arkaela Athanas Wilfored – Argyle Rd Childcare College Ethan Barr - Mad Scientist in Hawthorn Matthew Chen – REECE Plumbing in Hawthorn Joshua Day – Clancy Construction in Port Melbourne Marley Hannah – Hell Music in Prahran Kristopher Haritidis – Urban Sensations (Interior Construction) in Malvern David Huang – Supernormal Restaurant – Flinders Lane, Melbourne Josh Kisvarda – BMW in South Yarra Jasmine Gammie – Hospitality Madi Porteous – Table Art Teale Rouse – Physiotherapist's Office Angus Skidmore - AVFX (Audio & Visual) in St. Kilda Shaemus Thompson – Daytona Electrical in Lilydale Noah Trotter – Hello Music in Prahran Ebony Usher - Tori Allen Events in Hawthorn Hannah York – The Nursery – Bunnings in Collingwood

Belinda Alexandrovics VCAL Manager

From the Year 11 Managers' Office

Monday 17 June signaled the start of Semester Two. Our current Year 11 students will embark on their Unit 2 subject choices and their numbers will be bolstered by 16 new enrolments. We welcome our new students who have chosen to complete their VCE at Swinburne. Enrolment interest at Swinburne Senior Secondary College has been very strong since the beginning of 2019 and many determined and patient students that missed out on Semester One places have now been accepted in the Mid Year enrolment cycle.

As part of the enrolment interview process we are interested in finding out why students have chosen to attend Swinburne Senior SC. It's not surprising to hear that the College has been strongly recommended by the current Swinburne students, to their brothers, sisters, cousins and friends. The perception in the wider school community is that we offer a broad range of subjects, have an excellent range of facilities available and the learning environment created by the teaching staff is challenging and supportive.

For all of our 207 Year 11 students Semester Two is either a time to consolidate on the good work they have started or an opportunity to make a fresh start. Most importantly, for all students, it is a time to ensure they are ready to face the rigors of Year 12 in 2019.

Roy Menegas, Amanda Nunn, Lee Appleton Year 11 Managers

Semester Reports

Semester One reports will be published on Compass and available for you to view after 4:00PM Friday, 28th June.

End of semester reports are published to students, parents and carers twice a year for Year 11 students and in June for Year 12 students. Reports for each subject include satisfactory or unsatisfactory completion of the unit overall and each individual outcome, an assessment of the student's work habits and an overall level of achievement on the 1 - 5 scale below. A written commentary celebrates particular successes and makes suggestions for further improvement in that subject.

Level of achievement

- 1 The student has demonstrated limited knowledge and skills associated with the unit.
- 2 The student has demonstrated adequate knowledge and skills and has been able to apply these in some instances.
- 3 The student has demonstrated sound knowledge and skills and has been able to apply these in a range of instances.
- 4 The student has demonstrated thorough knowledge and skills and has been able to apply these in most instances.

- 5 The student has demonstrated extensive knowledge and skills that have been consistently applied with a degree of complexity and/or insight.
- UG Insufficient work completed to demonstrate knowledge and skills associated with the unit.

In addition, mentors write a report that sums up the student's progress across all studies and makes suggestions for improved performance in the next semester or year.

It is important for both students and their parents/carers to view the semester reports as an opportunity to make some changes to improve their skills and knowledge in their subjects. The reports should be seen as an opportunity to set new goals or refine the ones students made at the beginning of the year.

Some advice on how to use the reports for improvement:

- 1. Students should note down 2-3 comments from each subject report that identifies their strengths. These are the skills that the student has shown the most competency with and should be noted as opportunities for "refinement".
- 2. Students should note down 2-3 areas of improvement noted by their teachers in each subject. These are the skills that students need to prioritise next term for immediate improvement. When students tackle coursework and assessment tasks in the future, these skills should be the ones students are focussing on to turn them into strengths.
- Students should write down one question for each subject report that arises from reading the teacher's feedback. These questions can be used to stimulate discussion with the teacher, but more importantly at home about what can be done to improve. Clear strategies for improvement should develop from these conversations.

Over the holiday break please ensure that both parents/carers and students log onto Compass to view the Semester One reports. In my role at the college, I have seen first-hand the tireless work that teachers put into writing meaningful reports for the young people that attend Swinburne Senior. Also, students should be using the holidays as not only an opportunity to reflect on their performances in Semester One, but a chance to get ahead with their work for the upcoming Term. This means setting aside time to complete any holiday homework set by their teachers and reading ahead for their subjects. The College wishes everyone from the Swinburne Senior community a safe and healthy mid-year break and we are looking forward to helping our students achieve their learning goals in the second half of the year.

Joel Guye School Improvement Manager

Assistant Principal's News

June has been a busy period for students as they completed their mid-year practice exams for all of the English's and the VCAA General Achievement Test (the GAT). I congratulate them for the way they approached these exams. Semester one reports will be uploaded on Compass and available to parents at the End of Term.

We are at the time of the year where students should be accessing Compass School Manager for daily news feeds regarding different events, workshops and guest speakers from tertiary institutions. These are regularly posted by the Careers and Pathways Advisor. Year 12 students should be accessing university websites regarding scholarships and open days. There is a broad range of scholarships which cover academic achievement. It is worth applying for as many as possible as each year there are quite a few not taken up.

A reminder to all that Parent-Teacher interviews will take place on Wednesday 7 August. The times are from 3:30pm to 8:00pm with bookings made through Compass School Manager.

Approving student absences

Many families are taking the option of explaining their child's absences online using Compass. This can be done in advance or retrospectively .Please continue to provide the College with explanations for students' absences, either using Compass, emailing or contacting your Mentor.

I wish you all a safe term break.

Robert Lewkowicz Assistant Principal

VCE Unit 2: Feedback on Learning Tasks (SACs)

For Unit 2 studies next semester, teachers will be providing feedback on students' SACs via Compass School Manager's Learning Tasks. At the College, teachers provide students with individual feedback on their SACs and we would like to encourage Parents and Carers to engage with this feedback to help support students to grow and progress in their learning.

Students, Parents and Carers will be notified when the feedback is available to view on Compass Learning Tasks for individual subjects. The Feedback provided on the SACs aims to create a continuum of learning where all parties are engaged in the learning process. We hope that the constructive feedback will benefit the learning process.

We hope that this process will identify students' strengths and weaknesses to target specific areas of improvement. Learning is progressive and the College recognises the importance of continual feedback to aid this process and help students achieve their individual goals. We want all students to achieve their potential in their subjects and are looking forward to developing their skills and knowledge through this process.

Please remember to check Compass regularly throughout Term 3 and in the future to help the College support students to be the best that they can be.

Joel Guye School Improvement Manager

Business and Work Ready Week

The Business and Work Ready Week from 17-21 June provided students with great opportunities to gather information on various aspects relating to post school work readiness. There were lunchtime stands with representatives from :

- the ATO to help students get an TFN
- Young Workers Centre to advise students on worker rights and work disputes
- Schoolies Unearthed on safe schoolies programmes
- WEP on volunteers and gap year opportunities
- iFTE on registration for subsidised short term hospitality courses
- the Year 11 Business Management Market Day to showcase entrepreneurial skills







An extended Mentor session was devoted to a Pathways Q&A Panel Discussion with four guests from different professionals answering questions from students on pathway choices and decisions.



Our annual Careers Night was held on Thursday 20 June where 25 tertiary institutions provided information to students on tertiary choices and past students talked about their tertiary application process.



All in all, a very busy week but we hope the purpose was achieved- SSSC students are more prepared for life after school!

Gita Menon Year 12 Manager and Business Management teacher and Louise Blennerhassett Careers and Pathways Advisor

Chemistry: Unit 1 Research Investigation

First Semester Chemistry saw Year 11 students create posters as part of their unit 1 studies that investigated chemical concepts like:

- "Why does Vaseline glass glow?"
- "How does synchrotron light create powerful microscopes to peer into molecules"
- "Why do gold nanoparticles make ruby-coloured substances and not gold-coloured ones!"
- "How does detergent chemically work to clean up industrial oil spills?"
- "What chemicals do marine organisms use to create bio-luminescence" and many other topics.

The Chemistry students were very engaged in doing this research. These students produced high quality scientific work that could explain the science to even the non-science person. The students also made their poster very aesthetically pleasing to the eye by utilising a lot of their skills they acquired in their creative Arts subjects. The end product was a high quality scientific poster that is visually appealing.

Here are some samples of the Chemistry students work, however you are always welcome to read them in greater detail as their posters are on display on Level 1 in the windows of the Science rooms.



The synchronous a very angle, trickan piece of machinery the size of a doubtail field that is used to accelerate electrons to almost the speed of light. The electrons are then reflected through magnetic fields creating extremely bright beams of light that can be used to s-ray samples. The results determined from the synchrotron can be used to combat diseases and improve levels of micronutients in food grains.

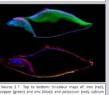
SECTION 1-Synchrotron—How does it

Datect 9 degrain the yeneration (The synchrotron was descended from the cyclotron, in which the accelerating beam traveled around a fixed beam path. Unlike its predecessor, the synchrotron has adjustable beam paths and produces dynamic high resolution, phase contrast 3D x-ray imaging at incredibly high resolution so as to reveal investigations. The beamline also has a wide range of engineering applications, food technology investigations. The beamline also has a wide range of engineering applications, food technology investigations, food technology investigations, food technology investigations are what make the synchrotron 2019 These selectable cetch, as the specificity of the light produced leads to more applicable tech, as the specificity of the light produced leads to more applicable examples of these differing beamlines are: The Macromolecular Crystallography (MX) beamline, which are general purpose crystallography instruments, used for finding chemical and biological structures, it is ideal for weakly diffracting, hard to crystallise proteins, incruses, protein assemblies and nucleic acids as well as smaller molecules (inorganic tata)hsts and organic drug molecules), as well as the infrared Microspectroscopy (RM) beamline is used to study microscopic samples, such as small particles and thin coatings on surfaces. However, three are a wed worksides to use of the synchrotron for piological testing. While [synchrotron diation] is called a nondestructive technique, its effect on proteinacous specimens has not been fully investigated at the molecular level.' [2014, Moini M et al].

SECTION 2- Applications in Medicine & Agriculture

Agriculture: As mentioned in the introduction, x-rays from the synchrotrom can be used to improve levels of micronutrients in foods by mapping the presulting amounts of iron, zinc and other micronutrients. Source 2 depicts x-ray mages of barley grain and a mapping of the concentration of micronutrients. This information can be used to inform appiculturalists in how to generically alter plants such as barley and wheat to aid in the umber of important micronutrients per

gram. Medicine: The synchrotron has previousl been used to determine the three dimensional structure of the AIDS viru protein. Using the synchrotron, Monasi receptors on immune cells capable of killin HV across genetically diverse population (known as CD4 T cells). Researchers als various cancers, malaria, rheumatic feve and yellow fever.



Source 2 î Top to bottom: tri-colour maps of: iron (red), copper (green) and zinc (blue); and potassium (red), calcium (green) and manganese (blue) distribution în a barley grain. Both images: Enzo Lombi The specialised techniques have pplications in advanced materials, environmental sustainability, food and food knology. forensis science, energy dustry, mining, cultural heritage, planetary ience, and electronics, among many thers. A specialised team of physicists at e Australiam Synchrotron also indertake research in accelerator science ind develop accelerator systems in a broad inge of areas, including feedback systems o modelling future linear coller plit sources for precision particle physics (The Australian Synchrotron particle physics).



here are hopes that data gathered from he synchrotron could aid scientists in ninging a cure for NIK, AIDS, malaria, heumatic fever, yellow fever and various ancers. While the synchrotron has already taken wer for the cyclotron, there are plans to improve current accelerators as well as pave] the way for future machines' [The ustralian Synchrotron, 2019]



In the second semester, the Chemistry students will conduct a practical investigation determining the salt content of an everyday food; Soy Sauce. The students will use an older chemical technique known as Gravimetric Analysis and will get results which they will compare to the manufacturer's claim on the label. More of this later in the year.

Dr Nicholas Tsipouras Chemistry teacher

Year 11 Literature Poems 'Seasons' by Christina Ladas

The wheel keeps on turning, As everyday rises a new setting For which one can hold Composure and vitality. As the sun exposes truth Time slows down, As the leaves start to fall Wisps of wind blow through My ears, The gradient of the leaves, From green to brown, Fall, as the age of time follows... The inevitable... The cold seeps underneath my Skin, and the darkness Hollows throughout the streets. The transformation of a new dawn Fades on the horizon. All goes cold, brittle, and dies, To give life to the new Form of age. As time carries on, We watch our lovers pass, The trees grow And a new awakening of life Fills the brim of our very soul. A child is born, The day grows And the birds whistle in the trees, While the children go out to play Once more.

'Seasons' by Mathilda Van Keulen

A cold tree that's twisted and old Tastes like off soup on the tongue And the air smells like smoke From dying fires. Your cheek feels cold from the outside chill While your fingers are red from the blood Flowing under your skin. Branches crunch beneath your feet Like brittle bones. The bones sink into the dirt And from them grows new life And the air smells like colour and light. The tea you sip tastes sweet as you are healed From your three month long cold. And the ground beneath you is soft, Freshly soaked with rain, the vibrant moss Brighter than anything you can imagine. All the birds wake up early from their sleep Ready to fly again. And they do fly, in great flocks That shadow the sun And the sweat on your brow screams living. Your essence of life tastes like vitality And people sing to open the flowers From their sleep. And the flowers bloom, and reveal The colours they had been hiding away. And nature dances in leaves falling swiftly To the ground to the beat of the wind. And we dance too, Dance to our beds And fall into the moss.

'Seasons' by Sylvia Pagonis

Spring was when the love was born,

When I saw you for the very first time,

As the honeysuckles were mustard,

And the pastels in the foliage mingled down high streets.

Summer was when we lived,

When we shrieked as we ran barefoot on the burning concrete,

Laughing, I saw your hands for the first time properly And the cold ocean was waiting to greet our feet.

I loved you.

Autumn was when we agreed,

When we spoke on the roof of your jeep,

In a heap of my gobbledeegoo, as the love began to tighten,

Yet our own lives were drifting with the rhythm Of the eves of the autumn leaves

And I saw your dents for the thousandth time.

Winter was when we said goodbye,

When our hands' grip unfroze from the inner warmth. Like a sun in our chest.

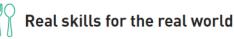
And then I saw you for the very last time.

Short Term Courses to get Business and Work Ready

SSSC is arranging subsidized short term hospitality, First Aid and Retail Selling courses through iTFE which will run in school on Wednesdays starting from July 17.

Please look at the poster attached for details on how to book. You have two options- either take the Combo package of 4 hospitality courses for AUD \$190 which is an unbelievable deal or choose individual courses for set fees.

All bookings and payments are to be done through the Trybooking link on the poster and if we do not get sufficient numbers, the course will not run. So get your classmates to join too and get work ready.



Enjoy training with your friends and gain valuable skills for securing part-time or casual work around your studies

As part of Business and Work Ready Week 2019, iTFE will be providing work-ready short courses held at Swinburne Senior Secondary College in Hawthorn and at iTFE's Training Centre in North Melbourne.

Select an individual course such as Barista Level 1, Professional Waiter, Responsible Service of Alcohol, Retail Selling or the Hospitality Essentials Package.

Barista Coffee Level 1 esday 21 August 8.45am-12.45pm e: iTFE 112 Peel St, North Melbourne \$92 (limited to 12 participants) Professional Waiter
e: iTFE 112 Peel St, North Melbourne \$92 (limited to 12 participants) Professional Waiter
\$92 (limited to 12 participants) Professional Waiter
Professional Waiter
esday 4 September 8.45am-12.45pm
a: Swinburne Senior Secondary College
\$35 (limited to 25 participants)
tail Selling Techniques and Tips
esday 18 September 8.45am-12.45pm
: Swinburne Senior Secondary College
n

Each participant must provide their Unique Student Identifie (USI number) to enrol in these courses.

To apply for a USI number go to: usi.gov.au

Contact: Louise Blennerhassett Careers and Pathways Advisor at louise.blennerhassett@sssc.vic. edu.au or on 8862 4411

Remember to book early through the TryBooking Link below as limited spaces are available https://www.trybooking.com/book/event?eid=501093&

1300 659 557

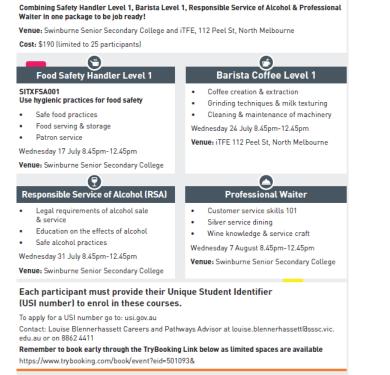




RTO# 6372 Proudly part of IntoWork Australia.



Hospitality Essentials Package



 Life.edu.au
 Image: State of State of

Bookings will close on 10 July for the Combo package and on 1 August for the individual courses.

Gita Menon Business Management Teacher

Contribute to original research by a Year 12 student

Year 12 Extended Investigation student, Bella, is researching the impact of celebrities on young people. If you are a year 11 or 12 student and you have not yet completed Bella's survey, could you please help her out by completing her survey at this link:

https://docs.google.com/forms/d/e/1FAIpQLScMdQLQ TRDyXsS0EaJKz0jR_3PfJFJUeZrrqC7_HwKislFwTw/viewf orm?usp=sf_link

The survey is completely anonymous and will take about 5 minutes. Thank you! You will be contributing to independent and original research.

Mary Gillingham Extended Investigation Student

Performing Arts

Term 2 finished with two jam-packed nights of music performances, with all our Music Performance, Music Investigation, and Small Ensemble students performing some of the repertoire they have been working on so far this year.

The first night was our Music Night debut in The Cottage, where we encouraged students and their families to order in dinner to enjoy during the performances. The take up was incredible and it was a very tightly packed audience! Special thanks must go to Ruari O'Driscoll for being our MC for the evening.

The second evening was held in the school auditorium where our VET Hospitality students provided a 3-course meal for only \$20. My personal favourite was the tiramisu dessert to finish, delicious! It was our biggest night ever with 18 acts performing.

Thanks to all the students for performing to such a high level across the evenings, and all the family, friends, and staff that attended. A final special thanks to Lee Appleton for organising the nights AND the VET Music Industry Sound Production students for running the sound and lights, as well as our instrumental staff: Fiona Rocke, Greg MacMillan, Owen Downey, Anna Paddick, Kein Jenkin, and Ainsley Finn.







(Inset: Ruby Ricci, Nina Lewin-McGeorge and Harry Hall, Ruari O'Driscoll)

Nick Taylor Performing Arts Team Leader

Visual Arts News Wrap

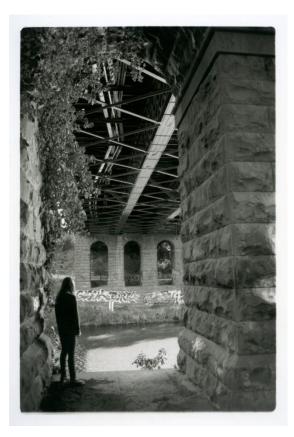
Year 11 VCD students started their first Environmental Design task this week. They began with primary research of the dimensions of a standard shipping container in order to get their heads around the scale and context required for their design.



In Year 11 Product Design & Technology Fashion class, students are currently working on Fashion illustrations and creating their upcycled shirts.



In Year 11 Studio Arts Photography, students have just completed an intense semester's work developing their knowledge and skills in darkroom printing. In addition to developing their creative abilities, they have learnt how to operate manual cameras, develop film negatives and use enlargers to print photographs in the darkroom. We can't wait to see what they can do with digital photography in Unit 2.



Year 12 Studio Art students have just finished generating potential directions for future artworks to be created in Unit 4. This follows a semester of exploratory work investigating and experimenting with ideas, materials, techniques and aesthetic qualities.



Matt Simmons Visual Arts Team Leader, Studio Art & Art Teacher / Art Show Manager

Rehabilitation vs Punishment

The stereotypical view on imprisonment is the use of hardcore punishment to deal with prisoners who have committed all sorts of crimes. But what is this really doing to individuals who are eventually released back into society? Norway has some of the lowest recidivism rates as a result of their different approach towards their prisoners.

Norway focuses on the rehabilitation of the prisoners and preparing them for release with a more calm and law abiding attitude towards society.

As of recent results Norway is sitting on a 20% recidivism rate and these some of the lowest reoffending results in the world. The way prisoners are treated in Hardon prison are like people. The guards establish a bond with the prisoners which creates trust within the prison. Prisoners are well respected but do have responsibilities to maintain their freedom and luxuries. One of these luxuries is a built-in supermarket which they have a ID card with finances that they have worked for.

The 75-acre facility maintains as much "normalcy" as possible. That means no bars on the windows, kitchens fully equipped with sharp objects, and friendships between guards and inmates. For Norway, removing people's freedom is enough of a punishment.

Hardon has a range of rehab facilities, one facility Hardon equips, teaches the prisoners to become motor mechanics. The state of the art tools and set up replicates an authentic garage resulting in elite training. The programs run within Hardon educates prisoners on new areas of work, and provides them with hope to return to society with a set of useful skills that will help build a new life on the outside.

In the United States, the justice system has a one dimensional view on how criminals should be treated inside prisons. This is through the stereotypical view of harsh punishment. This has a long term negative affect on society based on the recidivism rates in the US currently. The recidivism rate in the US is sitting at a high 76.6% which is unacceptable. There is an conspicuous flaw in how prisons are operating and therefore resulting in criminals continuing their life of crime or even becoming worse after being incarcerated.

Until the mid 1970s, rehabilitation was a key part of U.S. prison policy. Prisoners were encouraged to develop occupational skills and to resolve psychological problems such as substance abuse or aggression that might interfere with their reintegration into society. Indeed, many inmates received court sentences that mandated treatment for such problems.

Punishing prisoners puts a heavy strain on the national prison system and also the economy. It can cost between \$30,000 - \$60,000 tax payer dollars annually to house a prisoner. In Norway, the cost to house a prisoner in Haldon is \$93,000 per inmate per year. That might sound expensive, but if the United States incarcerated its citizens at the same low rate as the Norwegians do (75 per 100,000 residents, versus roughly 700), it could spend that much per inmate and still save more than \$45 billion a year.

In Australia we have youth programs that provide support for individuals who are disadvantaged or simply just need some support and guidance to better themselves. One of these programs is called the Empower Youth Program. Having support programs for young people who may be not be getting that at home is crucial for the development of that individual. In conclusion Australia is lucky to have such programs that will support youth with achieving goals and building relationships and a range of other essential skills.

Kris Hartidis Senior VCAL

Change of Personal Details

We are currently working through the process of updating our database with personal details. If you have changed any information please forward the changes to our General Office staff, Florence, Gail or Judy.

Gail, Florence and Judy General Office