

9/2018  
NOV



# LAKE NEWS

## Our Vision

At UC SSC Lake Ginninderra we have a commitment to excellence in education that provides students with the skills and enthusiasm for a life of learning.

## Our Values

a responsibility for one's own learning; skills that foster lifelong development; respect for oneself and others; taking responsibility for oneself and others; a commitment to success; and learning and working with others.



UC SENIOR SECONDARY COLLEGE  
LAKE GINNINDERRA



# Contents & Contacts

## Contents

Page 2	Contents and Contacts
Page 3	From the Principal
Page 4	Community Consultation
Page 5	Important Upcoming Dates
Page 6	AST Update
Page 7	Student Community Group
Page 8	Monthly Awards
Page 9	Social & Community Work
Page 10,11	Arts and Technology Showcase
Page 12,13	English & History
Page 14,15	Outdoor Education
Page 16	Swing into life
Page 17	Wellbeing
Page 18,19	Sport
Page 20,21	Science

## Contacts

### Principal

Gerard Barrett (A/G) 6142 0222

### Deputy Principal

Graeme Budd (A/G) 6142 0222

### Business Manager

Shelley Jacobs 6142 0222

### English/Humanities/Languages/Arts

Jenny Hanson 6142 0248  
6142 0240

### Disability Education Coordinator

Christopher Cutting 6142 0244

### Mathematics/Physical Education

Glenn Currie (A/G) 6142 0256

### Sciences/ Special programs

Roger Amey 6142 0254

### Student Services /Pre-Service teachers

Jackie Bryant (A/G) 6142 0251

### Technology/IT/CADD/Commerce/VET

Daniel Gordon 6142 0249

### Outdoor Education

Daniel McNamara 6142 0249

### Student Administrator

Nicole McDonald 6142 0242

### Year 11 Advisors

Jackie Bryant & Will Hotchkiss 6142 0236

### Year 12 Advisors

Chris Jones and Lane Moore 6142 0236

### College Psychologist / Counsellor

Suzanne Wright 6142 0222

### Careers and Student Transition

Fiona Chester 6142 0238

### ASbA/WEX

Athina Whild (Tue/Wed/Thu) 6142 0238

College Fax

6142 0226

Lake G Timetable				
Monday	Tuesday	Wednesday	Thursday	Friday
8:40 am A	E	F	G	H (Programs)
9:20 am B				
10:00 am C				
10:40 am Recess	10:40 am Recess	10:40 am Recess	10:40 am Recess	10:40 am Recess
11:00 am D	A	B	E	D
11:40 am SG				
12:10 pm E				
1:00 pm Lunch	1:00 pm Lunch	1:00 pm Lunch	1:00 pm Lunch	1:00 pm Lunch
1:40 pm F	C	D	C	F
2:20 pm G				
3:00 pm H (Programs)				
3:40 pm	2:40 pm G	3:40 pm H (Programs)	3:40 pm	2:40 pm B
	3:40 pm	3:40 pm	3:40 pm	3:40 pm

# From the Principal

Dear Students, Families, Community Members and Staff,

There have been significant developments for UC SSC Lake Ginninderra since the last newsletter.

## Affiliated Schools

First, the launch of UC Affiliated Schools. Lake G has been a formal partner with UC since 2011. The partnership has evolved over time to in its new form include many more schools and focus strongly on improvement of initial teacher education and the professional development of teachers in schools to improve outcomes for your students.

The Education Minister Yvette Berry formally launched Affiliated Schools on Friday November 16. The picture shows the vice chancellor of UC Deep Saini addressing the launch.



Some details follow below.

The University of Canberra (UC) Affiliated schools Program is a collaboration designed to shape and enhance the future directions of teacher learning and development in the ACT (pre-service through to lead teacher). The aims are to build teacher capability and a skilled future teacher workforce, equipped to meet the needs and aspirations of ACT public school students into the future.

The Program has two major components - clinical models of initial teacher education and collaborative research to support school and system improvement.

Clinical models of initial teacher education facilitate close alignment between sites of practice - our school

and the University, to integrate theory and practice in initial teacher education. It is a form of learning on the job. Schools are integral to delivery, and contribute to the evolution and design of teacher education programs. The clinical model has been trialled in local primary schools to great reported success.

At Lake G we look forward to applying the model in the secondary setting. The structured nature of the model ensures that preservice teachers, students and teachers will benefit. Preservice teacher preparation is significantly improved through greater opportunities to undertake field work. At Lake G the focus will be on pre-service teachers in the STEM areas.

In addition, collaborative research activity that leverages the strengths and addresses the unique needs of ACT public schools will add to the ability to drive school and system improvement.

UC will work across the Affiliated Schools, with the Education Directorate and with principals to determine where there are common needs and seek to develop professional learning workshops to meet these. When more specifics are known, they will be communicated in future updates and newsletters.

## Academy of Futures Skills

One of the reasons that Lake G has committed to working in the STEM area with UC is another project which is now under way. Two years ago, the chief minister Andrew Barr identified Lake G as a site for a cyber skills academy. The project, now in final planning stages, will encompass a STEM approach which is broader than IT skills alone. Several of the Lake G science labs will be re-furnished in 2019 to create a north side complement to the Centre for Innovative Learning housed at Caroline Chisholm School.

These labs will be available first to students at Lake G and then also to

other schools on the north side of Canberra. We look forward to offering an improved learning environment to our students and contributing to the STEM education of other north Canberra students.

## Graduation

Graduation is an important ceremony for our community. Students are at the college for the short time of two years. College is a stepping stone from the supervision of earlier education to personalising education to one's needs and then the achievement of legal adulthood. As a college we look forward each year to the celebration of the completion of school education. As I have written elsewhere (yearbook) students will not be in school again. This transition is worthy of celebration. I hope to see you and your student (Year 12) at graduation.

## BSSS Excellence Awards

Each year the BSSS (Board of Senior Secondary Studies) hosts an awards morning for students identified by their as excellent academically, vocationally, in community service, as an Aboriginal or Torres Strait Islander or in visual/performing arts. Lake G has nominated 5 students who will be recognised at that event on December 18. Details will be published after the awards.

## STOP PRESS

Martin Watson, the long time principal of Lake G, has been announced as the Executive Director of the ACT Board of Senior Secondary Studies. He will take time from this role to attend the end of year celebrations with year 12 and parents.

Thanks,  
Gerard



# Community Consultation - H Line in 2019

The college proposes an adjustment to the 2019 timetable in response to feedback from students and teachers during 2018.

H Line was a successful 2018 initiative to provide a common line off for both students and staff which provides greater access to each other. It has provided numerous benefits in enabling special programs to run, including Monday and Tuesday afternoon AST tutorials as well as Friday catch up sessions.

H line provides obvious opportunities:

- for student and staff groups to meet without sacrificing break time eg international students, sports teams and staff professional learning/school improvement teams
- for students to arrange weekly study support/homework club (particularly those who have 'offline' classes).
- for some excursions to run without disrupting teaching and learning in other classes
- for many students to begin employment shifts earlier

The existing timetable and proposed timetables are below:

The proposed H line adjustment is to move the Friday double from the morning to the afternoon.

2018 TIMETABLE - H Line for Diverse Learning				
MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
840am A	840am E	840am F	840am G	840am H
920am B				
1000am C				
1040am Recess	1040am Recess	1040am Recess	1040am Recess	1040am Recess
1100am D	1100am A	1100am B	1100am E	1100am D
1140am SG (homework)			1200 A	
1220pm E				
100pm Lunch	100pm Lunch	100pm Lunch	100pm Lunch	100pm Lunch
140pm F	140pm C	140pm D	140pm C	140pm F
220pm G	240pm G	240pm H	reserve sport students	240pm B
340pm	340pm	340pm	340pm	340pm

Proposed 2019 Lake G Timetable				
Monday	Tuesday	Wednesday	Thursday	Friday
840 am A	840 am E	840 am F	840 am G	840 am D
920 am B				
1000 am C				
1040 am Recess	1040 am Recess	1040 am Recess	1040 am Recess	1040 am Recess
1100 am D	1100 am A	1100 am B	1100 am E	1100 am F
1140 am SG			1200 noon A	1200 noon B
1220 am E				
100 pm Lunch	100 pm Lunch	100 pm Lunch	100 pm Lunch	100 pm Lunch
140 pm F	140 pm C	140 pm D	140 pm C	140 pm H
200 pm G	240 pm G	240 pm H (Programs)	(Sport and excursions)	(Programs)
300 pm H (Programs)	340 pm	340 pm	340 pm	340 pm

What we expect to find with the change:

- Improvement in student attendance and engagement on D, F and B lines
- (Attendance data supports the move)
- More efficient use of staff time for essential administration and meetings
- Increased opportunities for students with shifts of work on Fridays
- Opportunities for weekend family trips without students missing any classes.

Please email me directly to provide feedback or ask questions at:  
gerard.barrett@ed.act.edu.au

# Important Upcoming Dates

## Week 16

*Tuesday 20 November*

- Deadline for Notification of Absence forms

*Wednesday 21 November*

- Intensive Assessment period begins

## Week 17

*Tuesday 27 November*

- Intensive Assessment period ends

*Friday 30 November*

- Assessment Review Day 12-2pm

## Week 18

*Tuesday 4 December*

- Unit scores/grades posted on boards in faculty areas

*Wednesday 5 December*

- Unit grade/score appeals close 2pm

*Thursday 6 December*

- Course scores (year 12) posted on boards in faculty areas

*Friday 7 December*

- Year 12 **Farewell Breakfast**  
9am - 10.30am
- Final package check for ALL Year 12 students
- Graduation attendance to be finalised
- Course score appeals close 2.00pm

## Week 19

*Friday 14 December*

- T students can book an interview at the college between 9am-4pm to collect ATAR result. Instructions on how to book will be distributed at the Year 12 breakfast

## Week 20

*Tuesday 18 December*

- **Graduation rehearsal** – 12 O'clock at AIS. ATAR printed results will be available
- **Graduation** – 6.30pm at AIS. Year books available

# AST Update

AST results for the class of 2018 will be available with ATARs at graduation on Tuesday December 18.

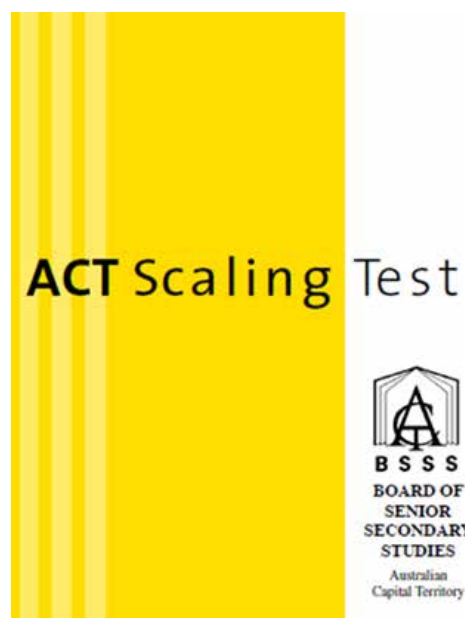
Students who wish to find out their ATAR and AST result prior to graduation may do so with interview on Friday December 14. The software used for parent teacher bookings will be used to book interviews for ATAR results. Parents are welcome to attend if available. However parents may not receive results in place of the student unless authorized in writing.

The AST exams are scheduled annually on the first Tuesday and Wednesday in September. Students wishing to receive an ATAR must sit the AST. Preparation for the exams includes trials of past papers, workshops and speakers spread across most of the year.

The AST preparation program for 2019 is happening now. There has been a Queensland Cognitive Skills Test trial which is followed by a trial of the three AST papers for ATAR-seeking students in year 11 at the end of the exam period. The dates of the trials are November 28 and November 29.

Attendance at these trials is important. Parents will be notified by post of students apparently with an ATAR package who do not complete these trials.

Documentation is available to apply for Special Consideration in the AST exams. Please see AST coordinators Jenny Hanson and Lane Moore



## ***AST dates for 2019***

### **Tuesday 3 September**

Multiple Choice task / Short Response task

### **Wednesday 4 September**

Writing task

### ***BSSS Website***

<http://www.bsss.act.edu.au/home>

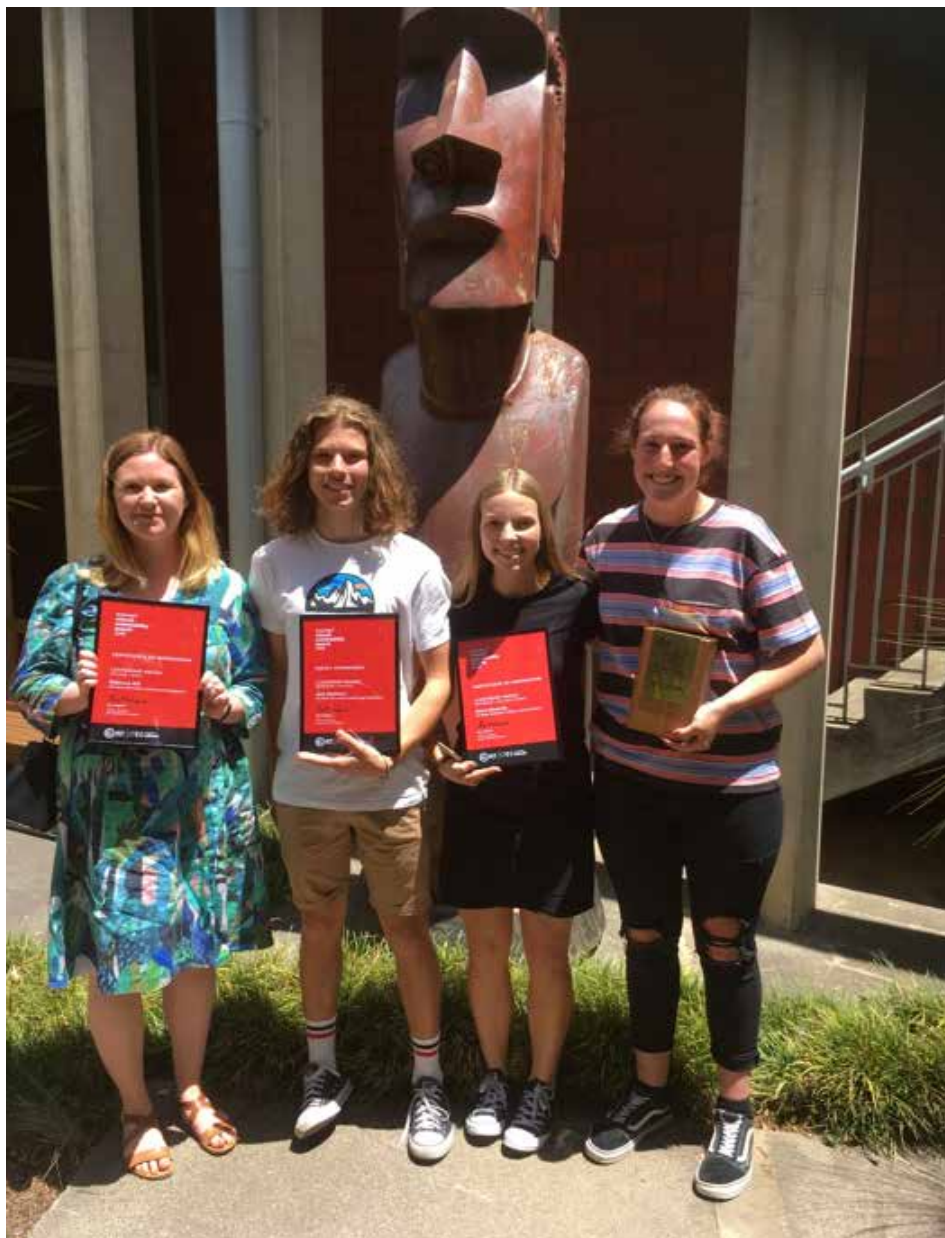
Additional practice materials are available on the BSSS website.

# Student Community Group

## ACTSmart School Awards

The Student Community Group initiated the 'Recycling Project' in 2018 aiming to significantly reduce the UCSSC Lake Ginninderra's College landfill waste and the school's carbon footprint. As part of this initiative the group has focused on engaging and educating their peers and the wider school community.

This project has been initiated and led by student leaders. The group have focused on consultation with students, staff and management to address the issues they deem important and to ensure they are able to prepare evidence informed proposals. This was particularly evident in a school-wide survey conducted in Semester 2 that was designed to gauge the values and knowledge of the community when it came to recycling. Subsequently the students organised a waste audit for further data collection which yielded a high level of engagement by students from across the school.



The students are currently developing a long-term sustainability plan for the school that will have a lasting impact beyond their 2 years at college. The key area of focus is the full implementation of a new waste management system by the start of 2019; however, students are already focusing on other areas of improvement within our school to reduce our carbon footprint.

The group was recently recognised by ACTSmart Schools receiving a high commendation for their project. Additionally, some of leaders were nominated for Sustainable Leaders of the Year, with Jack Roylance receiving a high commendation and Imogen Rayner winning the award.

# Monthly Awards - October

## The winner of the award:

- \* **Lang Wu** (Computer Games Programming and Design T)
- \* **Kamryn Laws** (Hospitality & Physical Education A)
- \* **Harley Mannie** (Contemporary English M)

## Nominated students:

- \* **Anna Arvanitis** (English & Sociology T)
- \* **Amelie Allen** (Exercise Science T)
- \* **Jakob Lyons** (Visual Arts - Illustration M)
- \* **Alysha Moy** (Visual Arts - Ceramics A)
- \* **Leigh Macpherson** (Sociology A)
- \* **Caleb Hodgson** (English T)
- \* **Jasmine Kaur** (ESL A)
- \* **Kate Le** (ESL T)
- \* **Charley Nisbet** (UC Connect)

The Monthly Awards are not restricted to “academic” subjects. Staff and students have indicated that this award be inclusive of all areas of the curriculum and all levels of achievement; so nominations can come from any subject.

Nominations focus on a student excelling and demonstrating significant personal growth and dedication – at any level. Awards for November will be presented in early 2019.



# Social & Community Work

Students have had many guest presentations this semester from a variety of organisations working to help the community. In week 12 Dementia Australia was very informative and ran us through their program “Dementia Friendly Communities”, which allowed students to gain a ‘Dementia Friend’ certificate to add to their resumes. A visit from Vision Australia in week 14 had the students learning about various conditions affecting eyesight. A lot of fun was had trying out the assistive technology available to individuals with vision impairment. Students also attempted to complete tasks whilst wearing goggles that simulated various conditions, including cataracts, glaucoma, macular degeneration and diabetic retinopathy.



## Macular degeneration



## Glaucoma



## Diabetic Retinopathy



# Arts & Technology Showcase

On Tuesday November 13, the college welcomed students, parents, extended family and friends, and the community to enjoy an evening that showcased and celebrated our students' work. The evening featured live music, dance and drama performances, media, visual arts and photographic works, and displays from our talented Design and Technology students. The displays were a culmination of thousands of student and teacher hours spent developing and creating the work.

Sweet and savoury light refreshments catered by our hospitality students and their teachers were a feature during the evening.







# English & History

## National Museum Rome Exhibition

The Ancient History and Literature classes combined to explore the National Museum's Rome exhibition in November, with students examining exhibits from a historiological or literary point of view. Literature students were asked to select an object from the exhibit to form the basis of their final creative assessment for the year. Please enjoy this reflective piece by Daniel Jamieson, who took the melancholy, wistful tone of *The Horologian* and a statue from the exhibition as his inspiration.

## The Mysterious Woman

I've always liked a good mystery. The thrills, the false leads, the way the ending catches you off guard because there was just a tiny thing you've overlooked and you just feel dumb in the best way possible. I never really liked figuring it out, too much work and you get surprised less, but I do like the speculation. All the little theories you have, how it fits together, what the importance of a clue is, if it even is a clue in the first place. I live for all of this. That's why she captivates me. I know nothing about this woman, who she is (or should I say was), why she was made into a statue, whether or not she was real in the first place, and most importantly, why she looks so sad. I've tossed these questions around my head innumerable times, thinking about why she was preserved for millenia.

The first idea is that it's as simple as it seems. She was a priestess of some god or another. For simplicity let's say it was Venus and she was oft visited by those in love or those looking for it, sometimes just those looking for beauty. She was a pious priestess and one day an artisan came along. He was making a

statue for the temple and decided she would make for a good model. The statue was made and erected and the artisan and priestess lived out the rest of their separate lives. Sometimes it was happy, sometimes it was sad, everything was perfectly normal. Her figure lasted through the ages, and the sadness expressed is just me reading into the style of the times.



That was a bit dull, so I'll try something more interesting. Let's imagine for a minute that the Olympians were real, Jupiter sat up on high with his lightning bolts, Pluto and Proserpina shared a winter palace, Cupid shot his arrows, and down on Terra there was a priestess of Minerva who was getting into trouble. She was in bed with Neptune, the rival of her deity, and Minerva wasn't having any of it. For a priestess who saw herself as beautiful and an attractor to men, Minerva thought it most fitting that she should become grotesque, so that anyone who gazed on her visage would turn to stone and not see the true woman. The priestess was thrown into exile and numerous men came to defeat the terror who would turn all to stone. One day a man came with more than strength or will; he had brains, brains enough to realise the distortion of the reflection in his bronzed shield would allow him to look at her without turning to stone himself. He was wrong. He turned in an instant and she finally had a chance to look at herself. Realising what she had become, she turned into a statue herself, the sadness

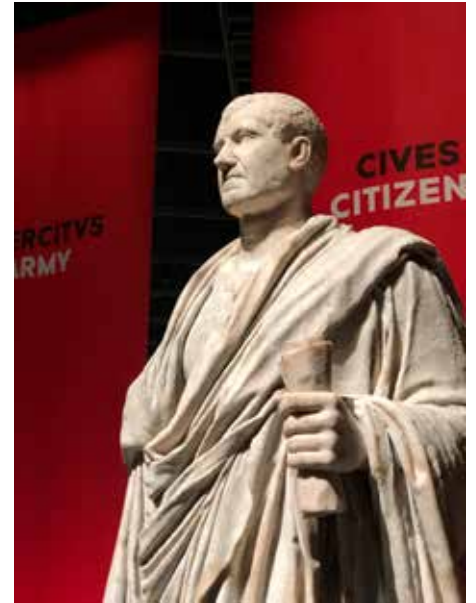


on her face due to the years of isolation and all that was left of her old appearance was the head of a monster. Upon her petrification, her latest victim, the brave adventurer, was returned to flesh and took the head as a proof of victory. He was Perseus, she Medusa, and their story became legend that lasted for millennia.

The last theory is the one that I like the most. The woman never existed. A sculptor was looking for love and it came to him in a vision. Maybe she wasn't a vision, maybe she was someone he saw around the forum, and never had much confidence to speak to. Perhaps she was someone he lost long ago and wanted to bring her back the only way he could. Either way the result is the same; he was a living Pygmalion and she was his stone Galatea. Despite his love, Venus never answered the call and he fell into a deep melancholy. Throughout the years, as his sadnesses increased it began to show on the object of his affection. His mental state, the sadness and longing, projected on Galatea and once he died it lived on in the petrified glare of the effigy of his love. One day, a priest or the like found the statue. He erected her in his temple, and then as Rome continued to rise, and then fell, and fell into the world of legends, of hearsay and pottery we call history, she traveled the globe, throughout Europe, up to England, and finally to Australia where our eyes first met. Her sadness beckoned out to me and I couldn't help but be intrigued.

She wasn't the first artefact I considered, she wasn't the last either, but something special just kept me looking back until I knew she was the one to write about. From Pygmalion's muse to mine, I became enthralled with Galatea.

I wish I could know what her story was. Her world was so long ago that we only have scraps of the parchment it was written on. An incomplete picture is all that's left, and all we can do is speculate. There's a lot about Rome we know, from records, ruins, copper coins and bronze arrows, but there's so much we don't know. So much has been lost to time and maybe that's why Galatea is sad. Maybe she's actually Clio, the muse of history, enshrined in marble and paraded around museums the world over. It's less sad but more bittersweet. She's glad about how much is remembered, all the stories, the battles fought, the love lost, the joy gained, but wishes more could be kept. At least, that is how I feel. I wish I could know who my Galatea is, close the case and hang up my coat, but I can't. Whoever she was, if she even existed, is lost and that's almost scary really. Her image was preserved and yet, no one knows her identity, her faced lived on but she did not. Of her book, we only have the cover. I know less will be kept of mine.



# Outdoor Education

The final two excursions of the year maintained the physical challenge, teamwork and sense of achievement of the rest of the year. Kossie to Canberra was a weeklong mountain bike ride which saw students ascend to the snowline and descend steep and circuitous paths under close supervision from teachers and accompanying adults. A good (and dusty) time was had by all. The big abseil saw students descend to a ledge in the afternoon, camp in harness on the ledge and complete their descent the next morning. Challenge and achievement again closely monitored for the safety of all.









# Swing into life

On Tuesday 13th November, our year 11 Elite Sporting students visited the B.Firm Fitness Centre to participate in the 'Swing Into Life' program. The program focusses on challenging individuals, team building and risk taking. Students were facilitated through a 'Ninja Warrior' style obstacle course with ropes, mud, mountains and climbs. The group worked well together to take on the challenges and give the whole course a go. The activity finished with a race, that the girls won. Their punishment for the boys was the hardest and muddiest part of the course again. Well done to all students involved.

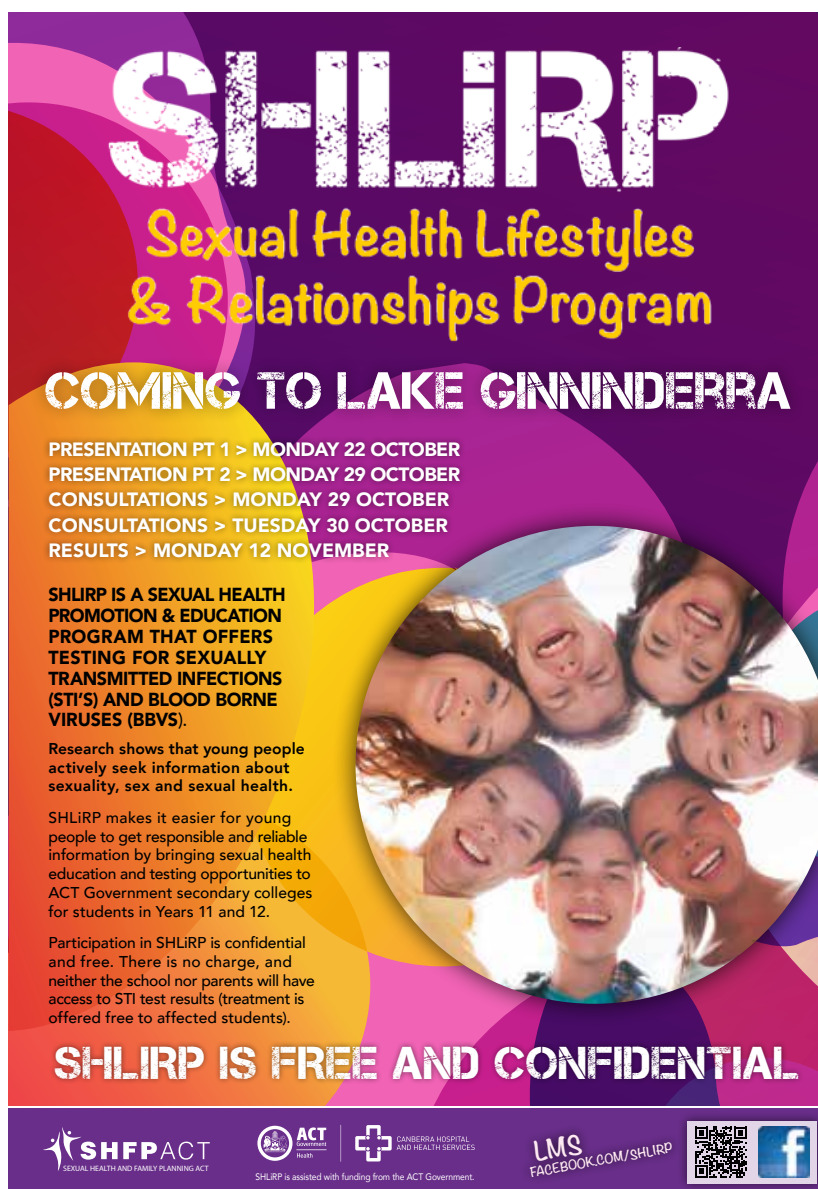




# Wellbeing

## Term 4: Sexual Health

During Term 4, Lake G students experienced the SHLiRP program. Nurses from Sexual Health and Family Planning gave presentations and ran clinics on school grounds. Students were welcome to have a chat with nurses, check their immunisation status or have a sexual health test. We also focussed on the importance of the LGBT+ community and their mental health awareness. We wrapped up the wellbeing program for this year with some fun sexual health trivia.



# SHLiRP

## Sexual Health Lifestyles & Relationships Program

### COMING TO LAKE GINNINDERRA

**PRESENTATION PT 1 > MONDAY 22 OCTOBER**  
**PRESENTATION PT 2 > MONDAY 29 OCTOBER**  
**CONSULTATIONS > MONDAY 29 OCTOBER**  
**CONSULTATIONS > TUESDAY 30 OCTOBER**  
**RESULTS > MONDAY 12 NOVEMBER**


**SHLiRP IS A SEXUAL HEALTH PROMOTION & EDUCATION PROGRAM THAT OFFERS TESTING FOR SEXUALLY TRANSMITTED INFECTIONS (STI'S) AND BLOOD BORNE VIRUSES (BBVS).**


Research shows that young people actively seek information about sexuality, sex and sexual health.


SHLiRP makes it easier for young people to get responsible and reliable information by bringing sexual health education and testing opportunities to ACT Government secondary colleges for students in Years 11 and 12.

Participation in SHLiRP is confidential and free. There is no charge, and neither the school nor parents will have access to STI test results (treatment is offered free to affected students).



## SHLiRP IS FREE AND CONFIDENTIAL

 **SHFP ACT**  
SEXUAL HEALTH AND FAMILY PLANNING ACT

 **ACT**  
Health

 **CANBERRA HOSPITAL AND HEALTH SERVICES**

**LMS**  
[FACEBOOK.COM/SHLiRP](https://facebook.com/shlirp)

SHLiRP is assisted with funding from the ACT Government.



# Our approach...

**OUR SCHOOL IS A SAFE, SUPPORTIVE ENVIRONMENT WHERE EVERY INDIVIDUAL'S WELLBEING IS PROMOTED.**

**RESPECT EVERYONE EQUALLY, REGARDLESS OF GENDER OR SEXUALITY (OR ANYTHING).**

**DON'T BE A BYSTANDER. BE AN ADVOCATE FOR EQUALITY AT LAKE G.**

# Sport

Throughout 2018 we have had more than 100 students represent Lake G in a host of sports which have seen us win 17 ACT titles. More details about these will be in the Yearbook available at graduation.



## 2018 Sports Star of the Year

At the Yr 12 farewell assembly the following athletes were recognised for their outstanding achievements in 2018. Thank you to Sportmans Warehouse for their ongoing support of the sports stars of the month and year. For all your sporting apparel and equipment needs please consider Sportmans Warehouse.

### Congratulations to:

Nominees



### Feb - Nikki Worner

Nikki was acknowledged for her personal success playing basketball for the ACT team at National level, but also for her role as coach of a junior ACT team that participated at a national carnival.

### March – Olivia Martin

Olivia's consistently high performances representing ACT in Hockey at the National carnival early in the year saw her selected in the Australia Future Development Team.

### April – Charli Di Maria

Already a regular representative for the Canberra Heat in the Australian Volleyball League, Charli was recognised through her performances at the National

Championships and selected in the Australian u18 team that toured the USA.

### May - Thea Osmond

On top of proving herself as the "Lake G Greatest Athlete", Thea plays top level Ultimate Disc in Canberra and her performances throughout the year saw her selected in the Australian team that went to the World Championships in Canada.

### June – Bentley Walker Broose

Bentley is currently in USA training for Cross Country Skiing. This year saw him become the Australian u18 Open Distance champion and gain selection on the National Team. He has qualified for the World Juniors in Finland in 2019. He's the ONLY U18 Australian male to qualify so it's a huge achievement for him.



### July – Kyle Bowen

Kyle was selected in the Australian u18 team that competed at the recent Basketball World Cup qualifiers in Bangkok. Kyle was recognised as Australia's best performer at the event. He also led the Centre of Excellence SEABL team to an historic finals appearance, top scoring for the team throughout the season.

### August - Caitlin Turnbull

Caitlin's dominance at school level sport continued at the elite level as she was selected in the Australian OzTag team. She has also been transitioning into Rugby and has gained selection in the ACT Brumbies training squad.

### September – Lorenzo Pope

Lorenzo is a member of the Volleyball Centre of Excellence. While representing ACT at the recent national championships Lorenzo performed so well that opposition coaches selected him in the All-Star team in not one, but two positions. This is the first time this has ever happened.

### October – Abby Tozic

One of the ACT's best softballers, Abby was this year selected in the Australian u19 squad that toured Japan. Over 2 weeks Abby played a tournament in Chiba and friendly matches against professional teams in Tokyo.

### November – Suzie-Rose Deegan & Sarah-Rose Smith

Suzi and Sara are members of the Basketball Australia CoE. They were selected in the Australian 3x3 team that participated at the Youth Olympic games in Argentina. They led the team to the semi-finals where they beat China to earn a Bronze Medal!



### Lake G Greatest Athlete competition

Throughout this semester students in the Sports Development program have been competing in the annual Lake G Greatest Athlete Challenge. Students compete against each other in a variety of specific fitness component activities that test agility, aerobic fitness, power, strength and flexibility. The individual male and female who tally the overall highest scores are declared the champions.

In 2018 the winners are

Girls- **Thea Osmond**

Boys- **Ryan Clare**

Congratulations to both and their names will be added to the plaque.





# Science

The Biology classes have been very busy in the lead up to the end of term, getting their hands dirty in a number of ways. The Year 11 classes are currently examining the topic of Biodiversity and as part of this the students have been out and about in the ACT examining their local ecosystems and assessing their general biodiversity and health. Reading these reports has been an enjoyable task as clearly the students have put a great deal of time and effort into their biodiversity surveys. In class this term we were fortunate to be visited by the knowledgeable Bruno and Ben from ACT Waterwatch, who helped us with an investigation of water bugs in the Lake Ginninderra wetlands. As seen below, students from both classes were shown how to collect bugs using nets in the wetland area. After a sufficient volume of bugs was collected it was time to sit down with trays and ice block containers to sort the bugs into different types. Bruno and Ben talked to us about how water bugs are an indicator of ecosystem health, and we can determine the health of a waterway by looking at the types and abundance of the various indicator bug species. Once all the bugs were counted, we tallied the results and calculated the health of the wetlands - moderately polluted according to our calculations. We are very thankful to Bruno and Ben for coming to work with us and for sharing their considerable knowledge of waterbugs.



▲ 'Fishing' in the wetlands



▲ Engrossed in looking for bugs!



▲ One of the special finds—a 'needlebug'



▲ Looking for and counting the bugs



▲ There was some incidental shopping trolley removal as well!



The Year 11s have also been exploring the ideas around ocean chemistry and how our oceans are experiencing changing pH due to human impacts on the climate. An experiment which created a carbon dioxide atmosphere in a cup demonstrated this concept. However the students when faced with the temptation of vinegar, baking soda and food colouring demonstrated that apparently you are never too old for a bicarb and vinegar volcano! Some cleaning up then ensued....



▲ *Bicarb and vinegar – it never gets old.*

The Year 12s have been getting engrossed in the topic of Infectious Diseases this term as they wind up their final weeks in school. The classes have examined how diseases spread, how our bodies react to disease, and the value of a good immunisation program in protecting the vulnerable members of our society. They have also had the chance to undertake various laboratory techniques, such as the staining of bacteria using a Gram stain. This staining technique is commonly used in pathology laboratories as an early step in identifying types of bacteria. The students found the process somewhat challenging, but there was satisfaction in a job well done with some good slides at the end of the lesson. Another lesson looked at the effect of various antibacterial agents on a plate of bacteria. One of the antibacterial agents examined was human tears, which contain lysosome enzyme that helps to protect our eyes from infection. Some brave students offered to be the ones to 'cry for the class' using an onion to bring on the tears!



▲ *Testing antibacterial agents*



▲ *Plating out bacteria*



▲ *Gram staining*



# Spend your money at the **fete** not on parking fines!

Don't park:



on the verge



in no parking zones



on footpaths or  
across driveways



in bus zones



in no  
stopping zones



in mobility  
(disabled) spaces



By parking legally  
at school fetes you  
are keeping our  
kids safe!

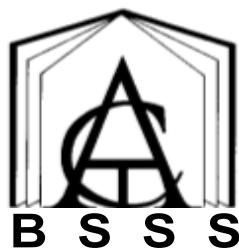
Easier. Simpler. Here to Help.  
[act.gov.au/accessCBR](http://act.gov.au/accessCBR) | 13 22 81



**ACT**  
Government

**Access  
Canberra.**

Produced by: Chief Minister, Treasury and Economic Development Directorate.



**BOARD OF SENIOR SECONDARY STUDIES**  
***RECOGNITION OF EXCELLENCE CEREMONY 2018***

Achievement awards in the following categories:

***Academic Studies***

***Community Services***

***Vocational Studies***

***Performing/Visual Arts***

***Aboriginal and Torres Strait Islander Students***

will be presented on Tuesday 18 December  
at The Playhouse, Canberra Theatre Centre

Students in Year 12 from every college in the ACT will receive awards

Students receiving awards for Academic Studies  
will be those with the highest achievement in their college

*Recipients of the awards for UC SSC Lake Ginninderra will be notified by the college but  
should RSVP for the presentation to the BSSS office.*

**Attendance by invitation only**

# Lake G Community Partners

