The Australian Synchrotron

Part of the Unit 4 VCE Physics course entails selecting a detailed study into an aspect of applied physics. This year “The Synchrotron and its Applications” was selected. Victorians are incredibly fortunate to be the custodians of a cutting-edge third generation synchrotron which has been built near Monash University. It is an enormous machine (70m diameter) which has been built to accelerate electrons to close to the speed of light and thus harvest the radiation they emit. These X-rays can then be used by biologists, agriculturalists and chemists to study materials that are too small to be studied by any other method. Lachlan Crick and Shae Ambry, along with students from other schools, were taken on a guided tour of the facility in which design and safety measures were explained. The group was then taken to an onsite laboratory to carry out a range of experiments using cathode tubes and microwave transmitters. These experiments helped students to understand the use of magnets to direct the high energy electron beam, and how the radiation produced can be used to ‘probe’ the crystalline structure of unknown molecules. It was an informative day with some exciting experiments and much was consolidated and learnt. I would highly recommend visiting the Australian Synchrotron on public open days, it is amazing and worth a look at what $2billion looks like!

Mrs Kerr
It’s hard to learn anything if you are absent from school - It’s not OK to be Away.
It’s hard to learn anything if you are absent from school - It’s not OK to be Away.
VCAL PDU - Multicultural Day

On Wednesday 9th of September the VCAL PDU class will be holding a multicultural day. There will be activities held throughout the day from Period 1 to 4. The activities will include:

New Zealand - Poi Balls
China - New Year decorations
Japan - Origami
China & USA - Friendship bracelets
Ireland - Gaelic Football
England & Germany - Gothic Calligraphy
Mexico - Ojo de Dios

The Year 7 and 8 students will be involved with these activities. A BBQ will be held at lunchtime for those who returned their order forms. The canteen will be open at recess however will be closed at lunchtime. School uniform is to be worn. Year 7 and 8 are to bring their P.E uniform.

Year 10 Science of Motion

In science the year 10’s have been learning about objects in motion with student teacher James Devlin. As part of this unit the student had to design and race a car powered by a balloon, with some very impressive cars designed.

Ag Studies - Patch to Plate

During Ag Science, students were involved in making coleslaw from the cabbages in our garden. We bought hamburgers and rolls with some of the money raised from selling produce this term and filled them with the coleslaw. Delicious! From spinach grown in the garden, Kianie and Cara made spinach, fetta and ricotta pastry triangles which were then sold to staff. They were snapped up quickly and by all accounts were very filling and tasty. Thank you to all the students for their involvement.

Mrs Powlett
It’s hard to learn anything if you are absent from school - It’s not OK to be Away.

Federation University Experience Day

Last Friday selected students from Year 10 travelled to Federation University to experience a snapshot of what life as a University student involves. It was great to hear from current University students about the type of courses they are undertaking and to see the environment that they study in. We got to do a tour of the accommodation blocks which are on site, and did an Amazing Race that helped to see all of the building and facilities on the Mt Helen campus.

Students also participated in a session in the Science and Technology faculty where they got to make their own ice cream! The activity in the Business faculty involved discussing a legal issue and coming up with a solution to a scenario. The Human Movement faculty ran an excellent session that had students participating in a Cup Stacking Challenge, a radar gun that measures how fast you can throw and seeing how fast you can sprint. The feedback from our students was that the day was very worthwhile and informative. The university students also commented on the high level of behaviour, participation and enthusiasm from our students in relation to other schools who had been involved. A big compliment for our Year 10 students!

Mr Crouch

EcoLinc Excursion - Year 11

The Year 11 Biology class once again visited Ecolinc in Bacchus Marsh where they completed two assessment tasks for their completion of VCE Unit Two.

The students were investigating “Organisms and their environment”. In the morning the focus was “Adaptions of Organisms” where they investigate the wetland ecosystem at Ecolinc and identify aquatic plant adaptations that provide the organism the ability to cope with the varying conditions of its habitat. After lunch the focus was “Dynamic ecosystems” where the girls investigate the interactions between living things in the Ecolinc wetland and identify freshwater macro-invertebrates (water insects) using microscopes. The day was a great success with the students gaining valuable key skills towards successful completion of VCE Unit Two Biology.
It’s hard to learn anything if you are absent from school - It’s not OK to be Away.

**IMPORTANT DATES**

Please check each Newsletter each week for additions/deletions or changes

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<th>Sept</th>
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<tbody>
<tr>
<td>Wed 9</td>
<td>VCAL Multicultural Day</td>
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<tr>
<td>Thurs 17</td>
<td>Parent/Teacher Night</td>
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<td>Fri 18</td>
<td>Last Day Term 3</td>
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<td>Fri 9</td>
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<td>Sat 24</td>
<td>Warehouse Shopping Tour</td>
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<td>Year 10 Urban Camp - Melbourne</td>
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<tr>
<td>Tues 3</td>
<td>Melbourne Cup Day Public Holiday</td>
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<td>Tues 22</td>
<td>World Challenge to Thailand</td>
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<td>24-27TBC</td>
<td>Proposed Year 11 Camp - Tasmania</td>
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<td>M7 - W9</td>
<td>Year 8 Surf Camp - Anglesea</td>
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<td>Tues 15</td>
<td>Presentation Evening</td>
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<td>Fri 18</td>
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**PFA Notes**

Beaumont Secondary College Parents and Friends meet once per month to support the College. Last Friday the committee approved the following:

**Sponsorships**

- $600 Mathematics Resources
- $1200 English - Guest speaker

**Upcoming Dates**

**Saturday 24th October**

Warehouse Shopping Tour
- More seats available
- Please book this week

**Friday 9th October**

Next Meeting 9am - All Welcome

**Tuesday 13th October 2015**

Presentation Ball Information Night
7.00pm in school library

**Friday 24th June 2016**

2016 Year 11 Presentation Ball

**Needed - Please drop to office**

Plastic Shopping Bags
Ice Cream Containers

Reminder - School holidays begin Next Friday 18th September
School will finish at 2.30 on this day

**FReeZa in the Pyrenees Youth Forum**

You are invited to tell us about your vision for where you live, work and study in the Pyrenees Shire. Contribute to Council's decision making and represent youth views

**Saturday 10th October**

Time: 11.00am - 5.30pm
FREE FUN ACTIVITIES
* FOOD * GAMES * MUSIC
For 12 to 25 year olds

Contact: Maria Loriente, Community Liaison Officer
Ph: 5349 1138 Mob: 0438 077 183 Email: maria.loriente@pyrenees.vic.gov.au

**headspace Ballarat presents**

**Beyond the ATAR**

The real VCE guide to help you manage and have fun!

- Stress and anxiety
- How to manage it
- Balancing the important stuff Study, Family, Friends & Work
- Pitfalls and traps
- Studying
- Problem Solving
- Goal Setting
- How to cope with Exams
- #howtomanagesocialmedia
- Life after VCE

**Spots are limited... Call 5304 4777 to book**

Open to Students in years 11 & 12
Thursday 3rd of September 4pm - 5.30pm

headspace Ballarat, 28 Camp Street, Ballarat