21st, 22nd & 23rd October 2014
Charles Darwin University, Casuarina Campus

A National innovative and interactive program that supports the awareness and enhances the Career education of year 9 secondary school students, in the areas of Science, Engineering & Technology through a variety of Seminars, Interactive Presentations, Excursions, Laboratory Investigations and Hands-On Activities

Cameco
SA/NT

NT Medical Program

Surveying & Spatial Science Institute

Rotary Club of Litchfield/Palmerston
Rotary Club of Darwin Sunrise
Rotary Club of Darwin South

ConocoPhillips Australia

Science Schools Foundation
Our Valued Student Sponsors

ConocoPhillips Australia

Students from Dripstone Middle School, Good Shepherd Lutheran College, Kormilda College, Darwin Middle School, Taminmin College, Marrara Christian College, Palmerston Christian School & Milingimbi Community Education Centre

CDU Faculty of Engineering, Science, Health & the Environment

Northern Territory Government

NTG Office of the Chief Minister  NTG Dept. of Education  NTG Dept. Land Resource Management

Students from Tennant Creek School, Darwin Middle School, Marrara Christian College, Palmerston Christian School, O'Loughlin Catholic College, NT Open Education Centre & Kormilda College
Our Valued Student Sponsors

CAMECO Australia
SA/NT
Tiwai College, Tennant Creek School & Rosebery Middle School

Flinders University
NT Medical Program
Kormilda College, Tennant Creek School, Taminmin College & Darwin Middle School

Surveying & Spatial Science Institute
Representative: Geoff Patterson
Darwin Middle School

Rotary Club of Palmerston/Litchfield
Club Representative: Thevi Chelliah
Satter Christian College, Palmerston Senior College & O’Loughlin Catholic College

Rotary Club of Darwin South
Club Representative: Tom Mulcahy
Dripstone Middle School

Rotary Club Darwin Sunrise
Narrara Christian College & Darwin Middle School

National Science Experience Program - Charles Darwin University

NT Program Overview
From 2007 - 2012 the Faculty of Engineering, Health, Science & the Environment PVC Professor Graham Pegg supported a commitment made by Professor Chris Austin, Head of School for the School of Environment, and Applied Science Discipline Leader Dr Diane Pearson, who took the role of Local Director and Chair of NT Science Experience, positioned CDU to become the 35th University in Australia to host The National Science Experience.

The 3 day program showcases Science, Engineering & IT and offers an opportunity for students to experience University, meet Scientist, Engineers & IT Professionals, participate in experiments held in university laboratories; hands on practical activities, attend seminars from high profile professionals with local and relevant studies, field trips to local places of special scientific interest and gather information about the many careers and study opportunities at CDU. The statistical data collected shows it does inspire students to be career orientated and apply themselves at school to achieve a Year 12 ATAR.

In 2013 ConocoPhillips Australia became the new National Sponsor and the new CDU PVC of the Faculty of Engineering, Health, Science & the Environment, Professor Sue Carthew, along with Director of the Research Institute of Environment and Livelihoods, and Head of School for the School of Environment, Professor Andrew Campbell, continued to support this event.

Program Aims
This program aims to inspire students to want to become a high achiever, to know that they can study here at CDU, and that the Territory has excellent employment opportunities. Our program is open to any student interested, regardless of their academia. Since its inception in 2007 we have capped and secured sponsorship to pay the National Student Fee, ensuring all NT students have an opportunity, not just the ones who can afford too. CDU is focused on supporting and encouraging participation from indigenous, remote and students from low socioeconomic status (SES) backgrounds and seeks to attract additional funding from sponsors for travel and accommodation. Our program provides a large range of exceptional learning experiences in both VET and Higher Education that introduces students to the many careers available to them, and provides important information on what they need to know and do now, whilst at school, to ensure they do have study and career options.
Where are they now?

2011 we had 105, 2 travelling from Dili East Timor, of the Territory students 12 indicated they were indigenous, of these 103 participants 46 applied for enrolment at CDU. All were accepted or made an offer, of these 21 are currently enrolled in Higher Education in 2015, with additional students being *unconfirmed, as they may have chosen to defer their studies.

3 – Bachelor of Exercise & Sports Science
1 - Bachelor of Accounting/Bachelor of Laws
1 – Bachelor of Commerce/Bachelor of Laws
2 – Bachelor of Engineering Honours
1 – Bachelor of Engineering (Co-Op)
1 – Bachelor of Education (Primary Teaching)
1 – Bachelor of Information Technology
1 – Bachelor of Environmental Science
3 – Bachelor of Clinical Science
1 – Bachelor of Psychological Science
1 - Bachelor of Medical Laboratory Science
1 – Bachelor of Creative Arts (Media Design)
1 – Bachelor of Commerce
1 – Bachelor of Design
1 – Orientation for Tertiary Study
1 – Preparation for Tertiary Study
1 – Certificate IV in Frontline Management
1 - Certificate IV in Music
1 - Certificate III in Sport & Recreation
3 – Certificate III in Information, Digital Media & Technology
2 - Certificate III in Hospitality
1 – Certificate II in Animal Studies
4 - Certificate II in Aquaculture
1 – Certificate II in Rural Operations
1 – Certificate II in Sport & Recreation
1 - Certificate II in Business
1 – Certificate II in Retail Make-up & Skin Care
1 – Bachelor of Information Technology*
1 - Bachelor of Science*
1 – Bachelor of Environmental Science*
1 – Bachelor of Medical Laboratory Science*
1 - Bachelor of Psychological Science*
1 – Bachelor of Arts*
2 - Bachelor of Clinical Science*
1 – Preparation for Tertiary Study*

2010 we had 99 students participate, 12 indicating they were indigenous, of these 47 students applied for enrolment at CDU. All were accepted or made an offer. Of these 40 students are currently enrolled in 2014.

8 - Bachelor of Clinical Sciences
1 - Bachelor of Environmental Studies
4 - Bachelor of Science
3 - Bachelor of Engineering Science/ Master of Engineering
1 - Bachelor of Education (Primary)
1 - Bachelor of Creative Arts (Communication)
2 - Bachelor of Commerce/Bachelor of Laws
1 - Bachelor of Information Technology
1 - Bachelor of Engineering (Co-op)
1 - Associate Degree in Engineering
1 - Bachelor of Exercise and Sport Science
1 - Bachelor of Nursing (Pre-Registration)
2 – Bachelor of Psychological Science
3 - Bachelor of Engineering
1 - Certificate IV in Interactive Digital Media
1 - Bachelor of Pharmacy
1 - Tertiary Enabling Program
1- Diploma of Network Engineering
4 - Cert. II in Seafood Industry (Aquaculture)
2 - Cert. II in Business
1 - Cert. II in Automotive Mechanical; Cert. III in Electrical Technology – Apprentice
2 - Cert. III in Light Vehicle Mechanical Technology – Apprentice
2 - Cert. II in Hospitality
1 - Cert. III in Information Digital Media and Technology
1 - Cert. III in Children Services*
1 - Cert. III in Commercial Cookery – Apprentice
1 - Cert. III in Accounts Administration
1 - Cert. IV in Community Services

2009 we had 100 students participate in the 3 day program, 23 students applied for enrolment at CDU, all were accepted or made an offer. 17 enrolled in 2013.

1 – Bachelor of Science
1 – Bachelor of Environmental Science
1 – Bachelor of Health Science
2 – Bachelor of Clinical Science
1 – Bachelor of Psychological Science
2 – Bachelor of Engineering
4 – Bachelor of Engineering Co-op
1 – Bachelor of Education
1 – Bachelor of Commerce
2 – Bachelor of Law
1 – Bachelor of Teaching and Learning Early Childhood
1 – Bachelor of Creative Arts (New Media)
1 – Bachelor of Creative Arts (Communication)
2 – Tertiary Enabling Program
1 – Certificate IV in Interactive Digital Media
1 – Certificate III in Music
2008 we had 80 students participate in the 3 day program, of these 18 students applied for enrolment at CDU, all were accepted or made an offer. Of these 14 students enrolled in 2012.

3 - Bachelor of Engineering  
2 - Bachelor of Engineering (Co-op)  
1 - Assoc. Degree in Process Engineering  
1 - Diploma of Engineering  
2 - Bachelor of Clinical Sciences

1 - Bachelor Teaching and Learning & Bachelor of Arts  
1 - Bachelor of Pharmacy  
1 - Bachelor of IT  
1 - Certificate IV in Interactive Digital Media  
1 - Preparation for Tertiary Success (TEP)

2007 we had 52 students participate in the 3 day program, of these 18 students applied for enrolment at CDU, all were accepted or made an offer. Of these 13 students enrolled in 2011.

2 - Bachelor of Clinical Science  
3 - Bachelor of Nursing  
4 - Bachelor of Engineering  
1 – Applied Science  
2 – Bachelor of Laws  
1 – Bachelor of Accounting

1 – Bachelor of Pharmacy  
1 – Bachelor of Teaching & Learning & Bachelor of Applied Science  
1 – Bachelor of Commerce & Bachelor of Laws  
1 – Certificate III in Financial Services (Accounts Clerk)

2014 ConocoPhillips Science Experience

CDU sponsors, and seeks sponsorship for students from local government, business, industry and community. In 2013 ConocoPhillips Australia became the National Sponsor and was happy to support the NT program due to their local activities. ConocoPhillips has again honoured this commitment in 2014 by support the travel, accommodation and National Fee for Milingimbi Community Education Centre Students, and an additional 15 students. They also provide transport, seminar and tours of the LNG Plant. In 2008 CDU liaised with the National Office to cap the NT registration fee to $110.00 pp. All sponsorship is forwarded directly to the National Office by the Sponsor. CDU event is limited to 100 participants who receive all meals, refreshments, ConocoPhillips Science Experience T-shirt & Satchel, a Certificate of Participation and the name of their individual sponsor. Students are encouraged to write their sponsor a short letter of appreciation. Schools are also notified of their Students sponsors, and encouraged to also write to them in appreciation.

Event Information
Number of Students who participated: 96 (4 Students did not attend due to personal or cultural reasons)  
Number of student who identified as Indigenous or Torres Strait Islander: 22  
Number of NT Schools who participated: 15

Participating Schools (In alphabetical order)

- Darwin Middle School  
- Dripstone Middle School  
- Good Shepherd Lutheran College  
- Kormilda College  
- Marrara Christian College  
- Milingimbi CEC - East Arnhemland  
- NT Open Education Centre  
- O’Loughlin Catholic College  
- Palmerston Christian School  
- Palmerston Senior College  
- Rosebery Middle School  
- Sattler Christian School  
- Taminmin College  
- Tennant Creek High School  
- Tiwi College - Melville Island
Student Groups
On arrival Students are separated into 4 Groups and named after eminent scientist

Blue Group = Charles Darwin

Green Group = Albert Einstein

Orange Group = Isaac Newton

Red Group = Curie

Student Career Requests

Student Request for more Career/Course information Requests: 69

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Student Event Evaluation Summary
92 Students Responded

Almost 80% of students had not heard of the program prior, with 98.9% stating this program should be offered every year. 98.9% of students agreed the program gave them a better understanding of what type of work Scientist, Engineers and IT people do, with 100% of students stating they are now aware of the many careers that can be achieved through study at CDU. ConocoPhillips LNG Plant, Exercise Sports Science and Horticulture/Aquaculture achieved the highest scores for most enjoyable, with Pharmacy, Engineering, the Career Investigations, IT and Environmental Science closely following. The seminars were also very well received, with 100% agreeing the program provided a variety of interesting experience they had hoped for, with student comments reflecting our aim to inspire students to want to be a high achiever has been achieved. 96.8% of students were either planning to, or are considering studying Science, Engineering or IT after completing school. 59 Students requested a total of 70 career and study pathway information request, across 37 different areas of study.
Dear Sponsor,

On behalf of Ms Marise Christian College Science Department, I would like to thank you for sponsoring four of our students to enable them to participate in the ConocoPhillips Science Experience. Your support enabled those students to attend this very valuable experience which provided encouragement in their interest in science and engineering. This experience exposed them to a wide variety of science and engineering fields enabling the students to explore many possible options for a career in science.

Thank you once again for your generous support of our students.

Regards,

James Dodd, Milingimbi CEC Teacher

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Dear Sponsor,

I cannot begin to tell you the excitement and joy that my Yr 9 students came back with each day of the Conoco Phillips Science Experience. On their return to school, in their enthusiasm, they literally fell over each other to tell me of the experiences they had been involved in. They also talk about all the avenues of study that they can participate in post-secondary school, and see that it is possible for them individually, to foresee such study and work in their futures.

One of the hardest things for teachers to accomplish is to inspire our students to greatness. The CDU Science Experience sets the platform for this and without you, the sponsors, for most of our students, this would not occur.

Each year I look forward to the students that return from the three days of the CDU Science Experience as with the inspiration established, I can accelerate their learning so readily.

Additionally, due to the excitement in my Yr 9 students who attend the program, the current Yr 8 students are already asking me about the 2015 CDU Science Experience and what they have to do to be a part of it. So my hope is for your continued sponsorship of this program.

So again thanks so much for your sponsorship and support of this program.

Regards,

Richard Carter
Middle School Science teacher
Palmerston Christian School

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Dear [Sponsor],

Janelle and I were stunned and impressed throughout the whole three days as to the extent to which you and your colleagues welcomed, hosted and cared for us all down to the smallest detail. From an Educational and Career Orientation perspective the Science Experience itself delivered in spades.

Our students were exposed to the opportunity to work in laboratories, witness the workings of many University departments, tour the Conoco Phillips LNG plant and were also privileged to attend a number of interesting seminars thus developing a taste for Campus life. Being in Darwin in itself was a treat for our kids from the bush and the lovely accommodation with a swimming pool, the trips to Casuarina Shopping Centre, the opportunity to go to the theatre and dine out, were all gratefully appreciated by everybody. There are many levels upon which our student has grown from the Conoco Phillips Science Experience and we only wish that it were possible that such a valuable event could be enjoyed by our cohort of Milingimbi Students every year.

Yours Thankfully, James Dodd, Milingimbi CEC Teacher

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Dear Sponsors,

A wonderful, great science legacy, my students are still talking about the event, I enjoyed the event, I am so glad I went as a student group leader and would like to stay involved.

Sincerely Steven Svensson, Science Teacher Taminmin College
Amazing Career Opportunities in Science: climate, energy, water and food
CDU Director - Research Institute for Environment & Livelihoods and the Head of School of Environment Professor Andrew Campbell

Climate, water, energy, and food are interconnected. The future is not some place we are going to, but one we are creating paths to. These must be made, not found. The world needs to increase food production by about 70% by 2050 and improve distribution, we have done this in the past, mainly through clearing, cultivating and irrigating more land, climate change and oil depletion is narrowing those options, with limits to water, land, energy and nutrients. Science is crucial in making such pathways and CDU is a great place for science and environment studies. There are rewarding and diverse opportunities for environmental science professionals in almost every aspect of economy and society.

‘Recombinant proteins for vaccine and diagnosis of parasitic diseases’
School of Psychological and Clinical Sciences - Molecular Parasitologist & Medical Physiologist Lecturer Dr Ramya Ramamoorthi

Haemochus confortus is the most significant parasite of sheep in many regions of the world because of its ubiquitous nature and virulence. This infection causes a serious problem to Australian sheep production in Northern New South Wales, South Eastern Queensland and the coastal regions of South West Western Australia. Current research into sheep immune cells and the important role they play in the rejection of the parasite. It is for these reasons that research is extremely important for the future detection, vaccination, prevention and/or management of parasites across all of our areas of food production to protect our future food supply.

‘Why Science Communication is important’
NERP Knowledge Broker - Jaana Dielenberg

The National Environmental Research Program, Northern Australia Hub currently has 80 Researchers, 16 Research Projects and works across NT, QLD & WA. A Knowledge Broker collects data on all the research and their findings, including any short videos and looks to link related research and interested parties, who can access and use this information to support their research activities. Without Science Communication all the past, present and future research would be underutilised and on its own un-useful in our efforts to protect our environment, native species and create healthier lifestyle. By collating all research findings, exploring who could use it and providing them additional information that relates will increase the possibility of positive outcomes and reduce duplication.
Interactive Activities

Information & Technology
CDU School of Engineering & IT - Senior Lecturer in IT Mr Charles Yeo

"Password Security"
How safe is your password? In this activity, students using online technologies were explained the basic principals’ applied to password security, students were shown why it is important, and what they needed to do to protect themselves.

Career Investigations
CDU School Segments Tanya Weatherstone – Student Recruitment

“What do you need to do at School now, to have that career you want?”
Students were encouraged to think about their career aspirations and provided an overview of what to expect in Year 10 with regards their Personal Learning Plan (PLP), which is a subject that focuses on their career choices, and contributes to them achieving their NT Certificate of Education & Training (NTCET). Students were provided an insight into what subjects in senior years, are considered assumed knowledge when applying for a specific degree. We briefly explained the NT Certificate of Education & Training (NTCET) and Australian Tertiary Academic Rank (ATAR), and how this relates to entry into a degree. Students were informed of alternative entry pathways, including VET Study and Tertiary Enabling Programs. Students were encouraged to ask questions relevant to their interests.

‘If I was a Medical Student, what kind of things would I learn?’
Flinders University NT Community Engagement Officer Ms Kelly-Anne Browne, Ms Lila Loveard and Ms Alysha Hewitt
Flinders University – NT Medical Program

The School of Medicine prepares students to practice medicine in diverse locations as clinicians, researchers or administrators. Understanding the physical, social and behavioural sciences collectively with the application of clinical skills underpins the program. Students participate in various activities including a body part identification race; monitor oxygen levels and heart rates and were shown how good their hand washing was, and how it is not such a simple thing to do properly. Student were also shown a presentation on the NT Medical Program and explained what they would need to do and when, if they would like to apply for a scholarship to become a Doctor in the NT.
Exercise and Sports Science
CDU Lecturer Exercise and Sport Science Aspro Mr Ian Heazlewood, Mr Jim Lee & Technical Officer Nikeeta Robinson

Exercise and Sport Scientists are experts in understanding how human bodies respond to exercise and how to make a difference to the quality of life for all people. Exercise and Sport Scientists use exercise as an intervention to improve health and fitness, enhance physical performance and prevent and rehabilitate injury in both healthy and physically challenged populations. In this activity students will participate in physiological tests designed to test their speed, reaction time and power in both individual and team environments.

Pharmacy
CDU School of Clinical Science Senior Lecturer in Pharmacology Dr Yean Yeow, Lecturer Pharmacy Practice Mrs Mary Bushell & Technical Officer Ms Lynette Lowe

Simple pharmaceutical preparation
Pharmacists use their expertise in medicines to optimise health outcomes and minimise medication misadventure. The practice of pharmacy includes the custody, preparation, dispensing and provision of medicines, together with systems and information to assure quality of use. Students participated in our dose administration aid packing activity, which is commonly used for clients who may have to take mutable medication on varying days. Students could take their medications pack with them, but these medications packs are extra yummy skittles so they might not make it home. Please note: adverse effects of this type of medication may include, weight gain & hyperglycaemia.

Horticulture and Aquaculture
CDU School of Primary Industries Ms Kathy Kellam, Aquaculture VET Lecturer & Assessor Mr Chadd Mumme

Students visited the Horticulture & Aquaculture Facilities were shown the propagation shade houses and were taken through the functions of our nursery water recycling system. Students were shown and sampled the variety edible plants, trees, and fresh herbs. Students toured the aquaculture complex and were explained the special features of the animals under culture, these included Barramundi, Fresh Water Crayfish, Flat back Sea Turtles, Clown fish and our beautiful Coral Display. Students had an opportunity to hold a variety of species and hand feed the large Barramundi.
Oil Spill

Engineers make things happen, offering a world of excitement, challenges and interesting career opportunities. Engineering converts science and technology into successful innovation, providing the conditions for civilized living. The work of engineers can be seen everywhere - in health, in our cities, in the country, in food supply and distribution, in medicine and in aerospace. In addition to everyday problems, Engineers also develop solutions for emergency situations arising from accidents which require rapid action to reduce adverse impact. An example is an oil spill, such as the one that occurred in April 2010 in the Gulf of Mexico in the US. Oil spills cause huge environmental damage, destroying sea life and birds which feed on sea life. Thus technologies have to be developed so that we are prepared to take rapid action to limit damage from large scale accidents. In the case of oil spills, this means we have to develop methods to rapidly and effectively remove oil from the water.

In this experiment, students use research methodology to explore and record observations to determine the best method, to use an absorbent or a dispersant on oil and why.

ConocoPhillips Australia - Darwin LNG Plant Seminar & Tour

Mr Patrick Hastwell - External Relations Advisor, Mr Peter Kirkpatrick – Operations Supervisor, Mr Jason Fior -Engineer
Mr Stuart Barz – Engineer, Ms Carly Sherren – HR and Ms Roza Arkham Lovasi – Administration Officer

Students were transported to the Darwin LNG Plant where they met the Operational Supervisor Mr Peter Kirkpatrick, and Engineers Mr Jason Fior and Mr Stuart Barz. Students were provided an overview of the plant operations, introduced to and experience wearing the full personal protective equipment (PPE). Students were provided an exclusive tour of the LNG facilities, usually reserved for VIPs, which included climbing one of the large tanks.
Diversity of Life
CDU School of Environment Associate Head Learning & Teaching Environmental Science Dr Penny Wurm, Senior Lecturer in Plant Science Dr Sean Bellairs, Senior Lecturer Zoology, Dr Keith McGuinness & Technical Officer Mr Quan Tien

Photographs courtesy of the 2014 ConocoPhillips Science Experience

This activity looks at biodiversity, and the amazing variety of small creatures living in simple everyday environments. Students will collect samples from simple environments such as pond water and decomposing flora waste, and under microscopes examine the different life forms present, and in a variety of other environment samples pre-collected. Students witnessed the birth of a rat-tailed maggot, which turns into a hover fly. Students were encouraged to use the resources provided to identify the life forms discovered, ask questions and participate in discussion.

Sample of Student Letters

Dear Sponsor

thank you for sponsoring me and for the three days I participated in. I really enjoyed having a better understanding in what I want to do after school. I have experienced and enjoyed many areas of science that I usually wouldn’t want to know about. I have come out of this feeling well informed and I hope this program continues for future year 9’s. Thank you

Dear Sponsor

I would really like to write a few lines about my sponsors at CDU. Thank you so much for your generosity which allowed me to better understand and the sciences. I had an understanding of knowledge about these experiences and advancements in my scientific knowledge will surely help me in any of my endeavours.

Dear Sponsor

Thank you so very much for sponsoring me! I have learned so much things & new information. This 3 day event event is very fun & interesting! If it wasn’t for you I wouldn’t be able to experience this. It has been very educational. I have a better understanding on what to do in the future. I’d like to be a photographer.

Thank you so much!
Dear Sponsor,

I would like to thank you for sponsoring me to attend this amazing science experience days. It was so much fun and was filled with awesome activities. I particularly liked the medical activities and the sport science. I learnt so many interesting things. I would like to study medicine after completing school and become a doctor. Again, thank you very much.

Dear Sponsor,

Thanks a bunch for allowing me to do the science experience, even though usually I wouldn’t afford it. I had an enjoyable time getting a taste of numerous fields of science. It really opened up all sorts of new opportunities for me.

Dear Sponsor,

I found this Science Experience interesting and full of information. I was amazed by the range of opportunities CDU has, which I didn’t know about before. Aquaculture and engineering interested me the most because they are similar to the things I like to do.

Dear Sponsor,

I have definitely enjoyed the CDU science experience. I think it is a great experience that I will consider when finishing Year 12. It was very interesting and informative. Thank you for letting me attend CDU Science Experience. I am glad for younger people to get an introduction to the great big world out there.

Dear Sponsor,

Thank you so much for sponsoring me. I enjoyed every single bit of this Science Experience. All the teachers and people that organised this did a great job as well as you. (My Sponsor) Again thank you so much. This experience was a great experience and I should continue to make everyone excited. Every single person enjoyed most and every group that helped us. with science in life. Thank you so much. I really appreciated it.

Dear Sponsor,

I would like to thank you for sponsoring me to do my science experiment. It has given me a better understanding of what I want to study in my future. It has given me a more clear path on my decisions.

Dear Sponsor,

I enjoyed every bit of the experience. It was interesting and fun. I learnt a lot of different things on this wonderful experience. The three days I spent at CDU was amazing. If I got offered to do this again I would willingly do it again. I am very interested in sports science.
Dear Sponsor

Thanks for paying for me to be able to attend this wonderful opportunity. It has been a lot of fun and a great experience. After completing school I plan to be either a vet or an engineer or electrician in the army. After this science experience I feel a lot more prepared for my future. Thanks again.

Dear Sponsor

I'm very grateful to be a part of this year's science experience. If it wasn't for you supporting us, I wouldn't be here learning. From this I've decided I would like to do IT. Once again I'm very grateful. Thank you.

Dear Sponsor

Thank you Department of Chief Minister and more personally Adam Gilless have what you doing God! Keep it real 4 life. But really I would like to thank you for allowing me to have the opportunity to attend this event and learn more about jobs and career paths around science.

Dear Sponsor

This experience has been nothing short of amazing. I've learnt loads of information about other jobs and I'm particularly enjoyed the day at the farm. All of the seminars were interesting and I've gained so much knowledge and understanding. My time at Chief has been sublime and I will certainly recommend this to others. When I leave school I want to be a doctor or a lecturer of medicine at Harvard University otherwise if they don't work out I'll be a mechanical engineer. "THANK YOU SO MUCH FOR THIS EXPERIENCE and if I could raise your salary I would by all means. You guys deserve alot of money and praise. I wish I could give this organisation a hug, but I don't think my arms are long enough!!! You guys rule!"

Dear Sponsor

Thank you for this opportunity for letting me and the other students you have sponsored the chance to learn more about the different things in science also giving us a better understanding about this university and the different variety of programs. You have gave me a better understanding of what I want to do in the future. Thank you again because you have given some kids a great opportunity that they didn't have the chance for.

Dear Sponsor

Thank you so much for the opportunity you have given me. I appreciate and understand the amount of work you went through to give us this opportunity. This trip has given me an idea of what I want to do when I'm older.
Dear Sponsor,

Thank you for sponsoring me. I have thoroughly enjoyed these last 3 days. I particularly enjoyed the tour of the gas plant. It has also opened my eyes up to the amazing opportunities of CDU. I am truly thankful that education is important to you. I also enjoyed the NT Medical Region tour. Thank you again. All the best.

Dear Sponsor

Thank you for sponsoring me. I'm in graduate school & go to universities. I'll like to study pharmacy.

Dear Sponsor

Thank you so much. This has been such an amazing experience for me and have had such a good influence on how I've learned and experienced things in the past three days. Peter thought I would like the experience. He has shown me many new ideas of stuff can do. I am interested in environmental science and want to become a geologist. I am so grateful and hope one day in future you will find sponsorship to have been a good fund when I make a difference to Australia. Thank you so much. You have blessed my life so much.

Dear Sponsor

Thank you very much for funding my ConocoPhillips experience. It was fun, interactive and a unique opportunity. These three days have allowed me to consider new career paths that I never before considered, such as immunohistochemistry. It has also made clear what many science fields actually involve. Thank you again!

Dear Sponsor

Thank you so much for sponsoring my trip. The science experience was brilliant, interesting and made me consider going to par medicine science.

Dear Sponsor

I had a fantastic time at CDU. I have chosen engineering as my career path. Thank you for your sponsorship.

Dear Sponsor

I am extremely grateful for the opportunity to explore the areas of science that you provided me. This experience has given me insight into my career choices and options. It had a big influence on me, and I am very thankful for your generosity and donation in to better my future. Thank you so much. It was the experience of a lifetime.
Dear Sponsor

It has been a great opportunity for the kids that attended and also for me. The experience has been very helpful because now I know about other types of career options I have and how studying in science can offer us more chances.

Dear Sponsor

Without your support, my future would be completely different. As those short 2 days have showed me my love of science & engineering, in particular, I thank you for your generosity.

Dear Sponsor

Thank you so much for giving me this opportunity. You have really shaped my future career: I am looking into studying biology.

Dear Sponsor

Thank you for sponsoring me and my class mates. The last 3 days have been amazing! This event has made me very excited for university and also helped me decide what I want to do. Again, thank you! Without your sponsorship, I wouldn’t have been able to attend.

Dear Sponsor

Thank you for providing students an opportunity to experience science careers in an intriguing way! I had tremendous amount of fun. As a student interested in neuroscience, I would like to focus on medical programs. This was the reason why I found the Flinders NT Medical Program to be extremely interesting. After I complete Year 12, I have decided to study to be a clinical neuropsychologist and hopefully, I will study well in Charles Darwin University.

Best of luck to you, my sponsor! (or Mrs.)

Dear Sponsor

Thank you so much for giving me this opportunity to attend this event. It was amazing and awesome fun! I’m glad that some activities I had to do with different science as I want to become a doctor when I’m older. Please a big thanks again!

Dear Sponsor

Thank you for sponsoring me. I have had a great time at this event and I learned a lot of new things. I enjoyed the pharmacy and engineering activities were the most interesting things to me. I hope to become an engineer. Thank you once again. It was great.

Dear Sponsor

Thank you so much for sponsoring me. You have given me the opportunity to do so much more! If it wasn’t for you, I would still be unsure of what to do but now I know thanks to you, this has been great and lots of fun. I have loved every bit about.”

Thank you so much again. Greatest opportunity ever. 
2014 ConocoPhillips Science Experience Student Evaluation

92 responses received

1. Had you heard of the 3 day ConocoPhillips Science Experience before?

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<th>Response Percent</th>
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2. Did the event give you a better understanding of what type of work Scientist, Engineers and IT people do?

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3. Did the event give you a better understanding of the many Careers you could study at CDU

<table>
<thead>
<tr>
<th>Answer Options</th>
<th>Response Percent</th>
<th>Response Count</th>
</tr>
</thead>
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<tr>
<td>Yes</td>
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<td>92</td>
</tr>
<tr>
<td>No</td>
<td>0.0%</td>
<td>0</td>
</tr>
</tbody>
</table>

4. Did the program provide you a variety of experiences that were interesting?

<table>
<thead>
<tr>
<th>Answer Options</th>
<th>Response Percent</th>
<th>Response Count</th>
</tr>
</thead>
<tbody>
<tr>
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<td>91</td>
</tr>
<tr>
<td>No</td>
<td>0.0%</td>
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</table>
5. Please tick the activities you enjoyed

<table>
<thead>
<tr>
<th>Answer Options</th>
<th>Response Percent</th>
<th>Response Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>RIEL - Amazing Career Opportunities in Science: climate, energy, water and food</td>
<td>59.1%</td>
<td>52</td>
</tr>
<tr>
<td>NERP - 'Why Science Communication is Important'</td>
<td>59.1%</td>
<td>52</td>
</tr>
<tr>
<td>School of Health 'The importance of recombinant proteins for vaccine and diagnosis of parasitic diseases'</td>
<td>50.0%</td>
<td>44</td>
</tr>
<tr>
<td>ConocoPhillips LNG Gas Plant Seminar Tour</td>
<td>59.1%</td>
<td>52</td>
</tr>
<tr>
<td>Exercise Sports Science</td>
<td>88.6%</td>
<td>78</td>
</tr>
<tr>
<td>Horticulture/Aquaculture</td>
<td>87.5%</td>
<td>77</td>
</tr>
<tr>
<td>School of Environmental Science - The Diversity of Life</td>
<td>73.9%</td>
<td>65</td>
</tr>
<tr>
<td>Engineering - Oil Spill</td>
<td>81.8%</td>
<td>72</td>
</tr>
<tr>
<td>Flinders - NT Medical Program</td>
<td>69.3%</td>
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</tr>
<tr>
<td>Pharmacy - Simple pharmaceutical preparation</td>
<td>87.5%</td>
<td>77</td>
</tr>
<tr>
<td>Information &amp; Technology 'Password Security'</td>
<td>79.5%</td>
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<tr>
<td>Career Investigations</td>
<td>80.7%</td>
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</table>

answered question 88
skipped question 4

6. Do you Feel this program should be offered at Charles Darwin University every year?

<table>
<thead>
<tr>
<th>Answer Options</th>
<th>Response Percent</th>
<th>Response Count</th>
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<tbody>
<tr>
<td>Yes</td>
<td>98.9%</td>
<td>91</td>
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<tr>
<td>No</td>
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</table>

answered question 92

7. After Year 12 do you want to study Science, Engineering and/or Technology?

<table>
<thead>
<tr>
<th>Answer Options</th>
<th>Response Percent</th>
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<tr>
<td>No</td>
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<tr>
<td>Maybe</td>
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</table>

answered question 92

8. Would you like more information on the study pathways and options here at Charles Darwin University? If yes which Study Area

<table>
<thead>
<tr>
<th>Answer Options</th>
<th>Response Percent</th>
<th>Response Count</th>
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</thead>
<tbody>
<tr>
<td>Pharmacy</td>
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<td>6</td>
</tr>
<tr>
<td>Business</td>
<td>1.7%</td>
<td>1</td>
</tr>
<tr>
<td>Engineering</td>
<td>10.2%</td>
<td>6</td>
</tr>
<tr>
<td>Personal Trainer</td>
<td>1.7%</td>
<td>1</td>
</tr>
<tr>
<td>Exercise Sports</td>
<td>16.9%</td>
<td>10</td>
</tr>
<tr>
<td>Science</td>
<td>16.9%</td>
<td>10</td>
</tr>
<tr>
<td>Information Technology</td>
<td>6.8%</td>
<td>4</td>
</tr>
<tr>
<td>Medicine</td>
<td>13.6%</td>
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</tr>
<tr>
<td>Science</td>
<td>1.7%</td>
<td>1</td>
</tr>
<tr>
<td>Aquaculture</td>
<td>3.4%</td>
<td>2</td>
</tr>
<tr>
<td>Army (SAS)</td>
<td>1.7%</td>
<td>1</td>
</tr>
<tr>
<td>Marine Biology</td>
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<tr>
<td>Biology</td>
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</tr>
<tr>
<td>Psychology</td>
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<td>1</td>
</tr>
<tr>
<td>Maths</td>
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<tr>
<td>Humanity Studies</td>
<td>1.7%</td>
<td>1</td>
</tr>
<tr>
<td>Conservation</td>
<td>1.7%</td>
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</tr>
<tr>
<td>Health</td>
<td>1.7%</td>
<td>1</td>
</tr>
<tr>
<td>Zoology</td>
<td>1.7%</td>
<td>1</td>
</tr>
<tr>
<td>Veterinarian</td>
<td>1.7%</td>
<td>1</td>
</tr>
</tbody>
</table>
Technology 1.7% 1
Psychology 1.7% 1
Forensic Science 1.7% 1
Music 3.4% 2
Research 1.7% 1
Software Engineering 1.7% 1
Microbiology 1.7% 1
Chemical Engineering 1.7% 1
ConocoPhillips 1.7% 1
Arts 1.7% 1
Electrician 1.7% 1
Hairdressing 1.7% 1
Mechanical Engineer 1.7% 1
Other (please specify) 6.8% 4
answered question 59

A Special Thank you to all who supported the delivery of the 2014 event

Office of MACE
Mrs Marissa Briston
Mr Taytae Teerakaew
Ms Irta Ranchman
Mrs Karen Glazbrook
Mrs Tanya Weatherstone

CDU Student Ambassadors
Mr Farhan Nawaz
Mr Taha Bin Ejaz
Ms Irene Lai
Ms Reagan Hughes
Ms Delfina Noy
Mr Richard Rivera
Mr Kyaw Yusuf

CDU Student Ambassadors
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Mr Quan Tien
Ms Sarah Morgan Broome

CDU Student Ambassadors
Ms Kathy Kellam
Mr Chadd Mumme

CDU Student Ambassadors
Mrs Kelly-Anne Browne
Ms Cheryl Davis
Ms Lila Loveard

CDU Student Ambassadors
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Mr Neil Ludvigsen

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Dr Penny Wurm
Dr Ramya Ramamoorthy
Dr Suresh Thennadil
Aspro Ian Heazlewood
Mr Jim Lee
Mrs Mary Bushell
Dr Yeon Yeow Tan

Faculty of Engineering, Health, Science & the Environment
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Dr Sean Bellairs
Dr Keith McGuinness
Mrs Nikeeta O'Sullivan
Mr Neil Ludvigsen

Faculty of Engineering, Health, Science & the Environment
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Mr Quan Tien
Ms Sarah Morgan Broome

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Mr Quan Tien
Ms Sarah Morgan Broome

Faculty of Engineering, Health, Science & the Environment
Ms Kathy Kellam
Mr Chadd Mumme

ConocoPhillips Australia
Mr Patrick Hastwell - External Relations Advisor
Mr Peter Kirkpatrick – Operations Supervisor
Mr Jason Fior -Engineer
Mr Stuart Barz – Engineer
Ms Carly Sherren – HR
Ms Roza Arkham Lovasi – Administration

Our Awesome Student Group Leaders
Taytae Teerakaew, Sierra Bath, Kyaw Yusuf, Reagan Hughes, Delfina Noy, Steven Svensson, Irene Lai
Taha Bin Ejaz, Richard Rivera, Sarah Morgan Broome & Andrea Brown – CDU Aspire Program

Important Websites
School of Primary Industries: http://www.cdu.edu.au/cdu-vet/primary-industries
Flinders University NT: http://www.flinders.edu.au/medicine/sites/nt-clinical-school/contact-us/
CAMECO Australia: http://www.cameco.com/australia/about/cameco_australia/
Check out the Albums/photos on CDU Facebook: https://www.facebook.com/CharlesDarwinUniversity
Event Organiser: Trisha Mellow, School Segments, Office of Media, Advancement & Community Engagement (OMACE)
Student Evaluation, Report & Student Requests for more Information compiled by: Trisha Mellow & Sierra Bath OMACE