

## NEXT GENERATION SCHOOLS PROGRAM

The Next Generation program introduces Year 8-10 students to the oil and gas industry in a fun, interactive and educational environment. Our aim is to provide information on career pathways, employment opportunities and culture within the industry.

This is a community engagement initiative that has been facilitated by the Petroleum Club of WA since 1991.

### SCHOOL PARTICIPATION 2020

In what was an unprecedented year with COVID-19 we were very pleased to still have such a fantastic participation in the program. We have over 600 students from 15 schools participating in the 2020 program and are pleased to expand the program even further regionally with Dongara DHS, Jurien Bay DHS, Carnamah DHS and Busselton SHS participating. The 2020 schools are:

***Applecross SHS***

***Busselton SHS***

***Carnamah DHS***

***Dongara DHS***

***Jurien Bay DHS***

***Perth Modern School***

***Swan Christian College***

***Willetton SHS***

***Butler College***

***Byford Secondary College***

***Churchlands SHS***

***Duncraig SHS***

***Morley SHS***

***Sacred Heart***

***Thornlie SHS***

Many of the schools have been involved with our program for many years and come back year after year. We would like to thank our participating schools, and more importantly our teachers, who assist in delivering the program.

### THE PROGRAM



It's been a busy year for our schools and mentors, with 4 mentor visits completed in the last half of the year, plus the Student Expo Day held in November.

During the mentor visits, students learnt about the impact the oil and gas industry has on society as well as how the industry is moving toward the future of energy and participated in interactive experiments. They also had the opportunity to speak with panel mentors who shared their experiences in the industry. Mentors also educated students on the project lifecycle and the diverse range of careers required for the project stages.

The program culminates in the Student Expo Day and this year was a huge success! Students were invited to a day on campus at ECU where they venture around to visit the interactive displays and generate points through completion of each of the activities and industry related games and quizzes. This is designed to generate interest and facilitate the question and answer process between students and industry representatives. Congratulations to our top scoring students who won some brilliant prizes from our program sponsors.

## PROGRAM BREAKDOWN

### MENTOR VISIT #1 - INTRODUCTION TO THE OIL AND GAS INDUSTRY

The first mentor session provides students with an introduction to the oil and gas industry and the impact it has on society. This year's program focused on the positive impact the industry has and the way in which it affects our day to day lives. This visit included an interactive experiment to further engage them in oil extraction. The students thoroughly enjoyed the hands-on activity undertaking 'perforated well casing'.

### MENTOR VISIT #2 – PROJECT LIFECYCLE AND CAREERS

The second visit focuses on the project life cycle and the diverse range of careers required to complete the project. This visit showcases the diversity of our industry and the opportunities available to our next generation. This visit includes a professions activity.

### MENTOR VISIT #3 – THE FUTURE OF ENERGY

The third visit focuses on Renewable energy developments, the future mix of energy, how all the different energy sources work and what the benefits are of each source. There is an interactive activity for all students to take part in as part of the session.

### MENTOR VISIT #4 – PANEL MENTOR PRESENTATION

The fourth visit is a career panel, where 3-4 mentors from various backgrounds to share their career journey in the oil and gas industry. Classes will be broken into groups and rotate between each mentor as they provide a 'speed networking style' show and tell of their careers. This provides more insight into the diverse range of careers available, as well as the various paths taken to achieve them.

### TRIANGLE ENERGY & HOVEA PRODUCTION STATION EXCURSION

Dongara DHS, Carnamah DHS and Jurien Bay DHS students were lucky to get a special introduction to the oil and gas industry this year with a visit to Triangle Energy's Heliport to undertake a pre-flight safety video and view/sit in the helicopter. They got to have a discussion on Oil & Gas activities in the Midwest with Triangle Energy, Mitsui E&P and Beach Energy. They also got to visit the Hovea production station and observe a rig decommissioning a well. This gave students an opportunity to see the industry work going on in their own back yard and how this positively impacts their community. These regional schools were really excited to be involved in this year's program. Thank you to Triangle Energy, Mitsui E&P and Beach Energy our mid-west sponsors and Hamish Smith, our regional program mentor for making the trip to present this year's program.

## STUDENT EXPO DAY

The competition component of the 2020 program was the Student Expo Day. This was held at Edith Cowan University - Joondalup on Friday 27th November and was the program highlight.

This year's expo was open to all students who showed a keen interest in the oil and gas industry. We had 250 students attend this year, which goes to show the impact the program has had on our next generation. The Expo Day gave students an insight into campus life and students were given a showcase of the amazing facilities ECU has to offer.

The Expo Day Partners provided some amazing interactive displays and simulations for the students to participate in a fun and interactive environment. This is designed to generate interest and facilitate the question and answer process between students and industry representatives

On arrival at the Expo Day, students were asked to form into their teams of up to 7 students. They were then invited to visit the 18 interactive displays that were set up around the campus, generating team points on completion of each activity. Teams were also able to generate bonus points by completing the creative games and quizzes based on what they'd learnt at the mentor sessions throughout the year.



**Thank you to our Expo Day Partners who provided the following displays:**

TechnipFMC - Subsea Development activity

ERGT - Video of Facility and Water Bottle Giveaway

Primero - VR Walk through and PPE Dress up

Bright-r - BBQ for all Expo Day participants

Vertech/GeoOceans - Cuttlefish and Coral analysis

STEM Outreach - Ozobots code pipeline inspection

Yokogawa - VR Simulator

NEXXIS - Robotic Crawler

AGIT - Robotic Arms Display

Train2Develop – Drilling simulation

ECU Joondalup - Permeability Column Testing

Fugro - ROV in pool, control of ROV & Presentation

Schlumberger - Mud Logging Activity

Schlumberger - Software solutions & processing

INPEX - VR Goggles

Stork - Welding insp., ultrasonics & magnetic particle insp.

PCWA - Exploration Game

PCWA - Quizzes



**THANK YOU TO OUR PROGRAM SUPPORTERS FOR  
PROVIDING OUR INTERACTIVE DISPLAYS.**

## 2020 PROGRAM PRIZES

This year's completion was very close, but we're pleased to announce our winning schools for 2020:



### **1<sup>st</sup> Prize: Helicopter Underwater Escape Training proudly sponsored by ERGT**

Congratulations to Morley SHS who took out first prize.

Participants will develop hands-on experience training in submerged helicopter simulators, and learn essential sea survival techniques including life jacket and life raft training. The training is designed to heighten safety procedures, danger awareness and operational standards for flights over or near water. Students who have participated in the HUET training say it's a 'once in a lifetime experience'.



### **2<sup>nd</sup> Prize: Day Sail on the Leeuwin thanks to Elect**

Congratulations to Willetton Senior High School

Experience the thrill and adrenalin of sailing on Australia's largest ocean-going sail training tall ship, the STS Leeuwin II. Students will help the crew haul the lines, take the helm and can even try some climbing aloft.



### **3<sup>rd</sup> Prize: Ropes training proudly sponsored by Vertech Group**

Congratulations to Duncraig Senior High School

Rope access is regarded as the safest and most dynamic method of working at heights. Here you'll learn how to use ropes and associated equipment to gain access to work areas that are hard to reach! Although this prize is physically demanding, it's a fun day out and will give students an idea of the skills required on site.

## NEW OPPORTUNITIES

In 2021 we will continue to extend our reach and will invite an additional regional school to take part in the Next Generation program.

Our program mentors will visit regional schools to facilitate information sessions on career pathways and share their experience working in the industry. This will give us the opportunity to engage with a wider audience and give a greater number of schools across WA exposure to the oil and gas industry.

There were many changes made to the 2020 program and we hope to develop the program further based on feedback received from students, teachers and mentors. The program content was well received; we hope to now include more interactive and creative thinking activities.

## HOW TO BE INVOLVED...

The Next Generation program is the success it is because of the on-going support from our industry.

We encourage you to contact our office if you have the time and resources available to commit to the development of the program. This can be either by way of sponsorship, mentoring, interactive displays or event volunteering to assist in the coordination of the program itself.

## BECOME A SPONSOR

This program relies on the participation from industry mentors and organisation sponsorship to ensure we can continue to inspire the "next generation". This is a great way to align your organisation with an initiative that engages the wider community and our future workforce, as well as financially supporting the program.

This program provides a rewarding opportunity for your organisation and your staff to give back to the industry you work in. Engage with the 'Next Generation' of aspiring students and ignite their passion for the oil and gas industry.

[Thank you to our Program Sponsors for 2020](#)



## BECOME A MENTOR



Volunteer your time to visit with students and share your experiences of working in the oil and gas industry.

This is a rewarding opportunity to give back to the industry you work in, engage with the 'next generation' of aspiring students and ignite their passion for the oil and gas industry.

## PROVIDE DISPLAYS AND PRIZES FOR THE STUDENT EXPO DAY

The finale of the program gives students an opportunity to gain further insight by exploring interactive displays and receiving a take home gift pack with corporate goodies. If you'd like to showcase your products/services, then please contact us to find out more.



## THANK YOU FOR YOUR SUPPORT

This program would not be possible without the support of our mentors and sponsors. This year, the Next Generation Schools Program was fortunate enough to have significant support from a group of excellent industry representatives who provided mentorship and drive for the program.

Our mentors provide their time on a voluntary basis, giving students the opportunity to hear firsthand from industry professionals who share their skills and experiences with the students. This is one of the program highlights.

The future is in our hands, and the Next Generation Committee look forward to building and developing the program with your support.