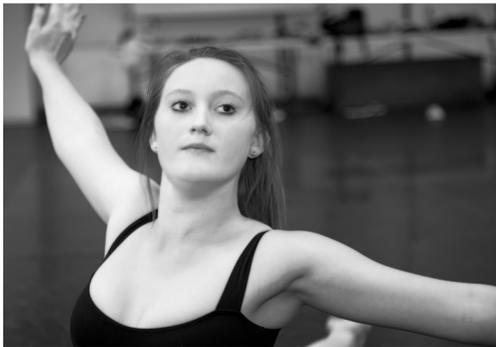


# 2012

THE ESSINGTON INTERNATIONAL  
SENIOR COLLEGE  
CHARLES DARWIN UNIVERSITY

## ACADEMIES OF EXCELLENCE PROGRAM VACATION SCHOOL PROGRAM 2012



The aim of the Academies of Excellence Programs (AEP) is to provide the highest quality educational and social opportunities for academically gifted and talented senior secondary students through programs designed to meet their abilities and needs.



For more information, visit our website on: [www.essington.nt.edu.au](http://www.essington.nt.edu.au)

# ACADEMIES OF EXCELLENCE PROGRAM VACATION SCHOOL PROGRAM

<b><u>Mathematics</u></b>	25th June 2012 - 29th June 2012
<b><u>Visual Art</u></b>	17th July 2012 - 19th July 2012
<b><u>Dance</u></b>	19th July 2012 - 22nd July 2012
<b><u>Creative Writing</u></b>	19th July 2012 - 20th July 2012
<b><u>Music</u></b>	20th July 2012 - 21st July 2012
<b><u>Applications Development</u></b>	17th July 2012 - 20th July 2012
<b><u>Environmental Sciences</u></b>	24th July 2012 - 26th July 2012

## PROGRAM DESCRIPTORS AND PRESENTER PROFILES

### **Mathematics Enrichment**

Presented by **Dr Ian Roberts and Dr Uwe Leck**

This program is for talented and keen Mathematics students in Years 7 to 12 who would like to be significantly challenged in their mathematical thinking.

Dr Leck has trained and led national teams in international competitions for Germany, as well as being a coordinator at the International Mathematics Olympiad. He is currently involved in enrichment camps in Wisconsin in the US. He has visited the NT on several previous occasions and assisted Dr Ian Roberts, Senior Lecturer in Mathematics at CDU in running enrichment activities for students.

**Venue: Purple 12.2.22, Charles Darwin University**

### **Visual Art**

Presented by **Gillian Mercer and Lillian Smith**

This program, consisting of workshops offered over the three days, includes: **Still Life drawing and painting**, whereby students will learn drawing techniques using a variety of media, **Aerial Landscape** where by using maps and aerial images, students will develop a painting based on an interpretation of their environment and **Fabric painting and printing** by Local artist Lillian Smith, who will guide students through various process of decorating fabric.

Gillian Mercer is an outstanding Art teacher, who has immense skills and experience. She encourages individual learning and problem solving through the process of creating and perceiving. She has is able to teach a variety of techniques, including painting and drawing, ceramics and glass, printmaking and sculpture. Lillian Smith is a lecturer at Nungalinga College and a local artist.

**Venue: Arts Studio, Charles Darwin University**

## **Dance**

Presented by **Sarah-Vyne Vassallo + Sean Marcs**

The four day program will include Technique and Choreographic workshops to enhance creative development. An informal showing will round off the Dance program.

Sarah-Vyne Vassallo and Sean Marcs are choreographers from Sydney, who have been invited to offer a workshop to students of this region. Sarah-Vyne is the project manager for the Australian Youth dance Festival, hosted by Ausdance NSW. She is a master teacher at workshops and conventions. She has a vast experience in entertainment, business, theatre, commercial dance and community arts.

**Venue: The Essington School Darwin Auditorium**

## **Music**

Presented by **Kerin Bailey**

The program consists of a variety of sessions taking place over two days. The workshops on offer include: Jazz Rhythm and Style, Composition, Improvisation, Motivation, Masterclass AMEB, Band sessions, Demonstrations and a Recital/Talk by Kerin Bailey,

Kerin Bailey is a leading Australian composer and music educator. He has composed and published some of Australia's most popular teaching materials. Kerin is one of Adelaide's most versatile pianists. Kerin regularly conducts workshops around Australia, is on the SA and NT Advisory Board and is an Examiner for the Australian Music Examinations Board.

**Venue: The Essington School Darwin Library**

## **Building and Publishing of iPad and iPhone Applications**

XciteLogic Development iOS Academy provides the courses, which contains theory and practical hands on tutorials. Topics include Developer Tools, Publishing Applications, Graphics and Sound, as well as Networking and Messaging. This course teaches the development skills for developing apps for Apple apps store.

Tung U is Managing Director of XciteLogic in Perth.

**Venue: The Essington School Darwin Computer Centre**

## **Environmental Sciences (Marine Turtles)**

Presented by **Dr Michael Guinea**

Charles Darwin University in Darwin, Australia has conducted a sea turtle research project to Bare Sand Island since 1989. This project is a scientific study to examine the biology and ecology of nesting and foraging sea turtles. Researchers and volunteers gather data on the nesting turtles to estimate population size, monitor abundance over time and to determine any threats to survival. This will help with sea turtle conservation regionally, nationally and internationally.

Dr Michael Guinea is a researcher in Marine Biology at CDU. His research interests include the breeding biology, migration patterns and life histories of six species of Sea Turtles in the Northern Territory and adjacent seas, Population Dynamics, Ecology and Toxicology of Marine and Estuarine Snakes, as well as a Study of Aquatic Snake Scales.

**Venue: Bare Sand Island (Outside Darwin and Bynoe Harbour)**

# THE ESSINGTON INTERNATIONAL SENIOR COLLEGE ACADEMIES OF EXCELLENCE PROGRAMS IN 2012

Students from The Essington International Senior College in 2012 have the opportunity to be involved in a unique program, the Academies of Excellence Program, based on similar programs in leading international schools in the US, Canada and Europe. The programs allow talented students to immerse themselves in specialist areas of learning at a university level.

The Academies of Excellence Programs offered in 2012 provides a variety of experiences for students in Science, Maths, Technology, Computing, Engineering, Health and Medical Sciences, Visual Arts, Music and Languages (Chinese and Japanese).

The international style Vacation School Program, offered in the June/July school holiday break, include field work with researchers gathering data for various research projects and working with specialists in their field of study. Beyond the academic extension and hands on, university style learning provided, is the personal growth provided by similar minded students working and learning together. These Vacation Schools have been very popular in the US, Canada and Europe.

Other programs conducted as part of the Academies of Excellence Program will occur during term time. In Semester Two we hope to offer Programs in the Health and Medical Sciences, and Environment Science studying crocodiles.



**For further information about our Academies of Excellence Programs (AEP)**

Phone: Madelaine Brand, Programs Coordinator  
at The Essington International Senior College on Phone:8946 6481  
or email: [academiesprograms@essington.nt.edu.au](mailto:academiesprograms@essington.nt.edu.au);  
or see updated information on the School's website: [www.essington.nt.edu.au](http://www.essington.nt.edu.au)