

Bring learning to life



2012

SCHOOL PROGRAM

OUTSTANDING
EXCURSIONS AT
SYDNEY'S THREE
BOTANIC GARDENS
PRE-SCHOOL
– YEAR 12

EARLY CHILDHOOD

Lesson and Links

Alexander's Maths Outing

(Maths, Eng)

Sense-ability (S&T)

'b' is for botanic and 'g' is for garden

(Eng, S&T)

The Need for Shelter

(HSIE, VA)

Get Growing

S&T, HSIE, COGS)

(Also suitable for Primary)

Lesson Outline

Bring stories to life as you accompany Alexander on his maths trail through the Garden.

Conduct hands-on activities and bring your senses alive in the Garden.

Practise your alphabet sounds whilst discovering the Garden through story, walk and games. Bring along your toy bears and have a bread and butter picnic too!

Discover some of the many camouflaged shelters in the Garden and then create a shelter of your own.

Discover the lifecycle of plants and experience the joys of growing your own.

PRIMARY STUDENTS

Lesson and Links

State and National Parks

(HSIE, S&T)

Reduce, Reuse and Recycle

(HSIE, S&T)

Rainforests Explorers

(HSIE, S&T)

Desert Dwellers

(VA, HSIE, S&T)

Aboriginal People and Plants

(HSIE, S&T)

Contact — First Encounters

(HSIE)

Seuss, Seeds and Sustainability

(Eng, S&T)

Minibeasts

(S&T)

Creative Problem Solving

(COGS)

Plants: Parts, Pollinators and Propagation

(Yr 3 Science (Biological) Understanding)

Wet and Dry

(S&T, HSIE)

Garden Design

(SEMP)

Lesson Outline

What are State and National Parks? Find out more about their conservation issues through role play and exploration.

Learn how to sow seeds, take cuttings, compost and keep a worm farm. Find out how we practise sustainable gardening and how you can too!

Experience what rainforests are really like and learn why they are so important. (Can be a full-day workshop with *Shipwreck Survival*)

Desert plants provide inspiration for artwork. Discover how their diverse structure and pale hues help them survive.

Identify local plants and their uses with our knowledgeable Aboriginal educators. (Can be a full-day workshop)

Discover what really happened when the First Fleet arrived in Sydney Harbour in 1788 and encountered the local Aboriginal people.

Using Dr Seuss's *Lorax* as inspiration, explore how we can manage environments sustainably from seed banks to ecosystems.

Explore the diverse range of animals that live in the Garden and learn how they adapt, thrive and survive.

Using higher order thinking skills and self directed learning methods, this nature lesson will cater for all learners and is suited for gifted students. (Can be a full-day workshop)

Plants are living things that have recognisable characteristics. Come and explore plants in the Botanic Garden as we discover how they reproduce, grow and change.

Examine life in ponds, rainforests and arid gardens. Investigate plant and animal features that help them survive in wet and dry places.

Experience themed displays in our outstanding garden landscapes. Let us help you plan and design a garden of your own and propagate plants for your school.

SECONDARY STUDENTS

Lesson and Links

Plant Classification

(Stage 4 Science)

Enviro-Maths

(Stage 4 Maths)

Global Environments

(Stage 4 Geog, Science)

Bush Foods

(Stage 5 Food Tech,
Aboriginal Studies)

Contact!

(Stage 4 History,
Aboriginal Studies)

Investigating History — site studies at the Gardens

4 & 5 History)

Australian Environments

(Stage 5 Geog, Science)

Evolution and Adaptation of Australian Plants

(Preliminary Biology)

Plants for Senior Science

(Senior Sc)

Maintaining a Balance

(HSC Biology)

The Search for Better Health

(HSC Biology, Ag)

Australian Biota Study Day — presented by the Australian Museum, Taronga Zoo and Botanic Gardens

(Preliminary Biology)

Lesson Outline

Discover the similarities and differences between major plant groups and identify them using a simple key.

Botanic gardens are a perfect site for a full day of maths. We involve you in a range of numerical and geometric observations, measurements and calculations. (Full-day workshop)

Different environments support different plants. Explore our global collections and discover fascinating adaptations of plants to each environment. (Can be a full-day workshop)

Aboriginal educators provide an Aboriginal perspective on living with, and from, the bush. Taste 'bush tucker' and adapt recipes to include native ingredients.

Be a convict and local Cadigal kid at the sites of the First Farm and Cadi Garden in Sydney's Royal Botanic Garden. (A full-day workshop when combined with the Contact program at the Museum of Sydney).

Mystery of the Missing Palace

Explore the site of the Garden Palace to discover the size, use and demise (Stage of this large exhibition building. Through historical inquiry unravel the mystery of the great fire by examining extant remains on the site and beyond.

Choose your Hat!

Become a scientist, settler or farmer on the site of Australia's First Farm and oldest scientific institution. Interpret the site using primary and secondary sources to discover changes in land use and societal values.

Explore our Australian collections and discover adaptations to the physical parameters of each environment through first-hand investigation.

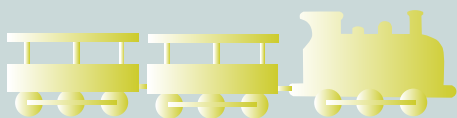
Explore the evolution of Australia's flora from Gondwana to the present time.

Go behind the scenes and see plant production, nursery management, and the conservation of the Wollemi Pine at a botanic garden.

Explore a variety of Australian environments to understand plant responses to temperature change and regulation, movement of material through the vascular system and minimisation of water loss.

Come behind the scenes with our plant scientists. See how to identify, research, quarantine and eradicate plant pathogens to help maintain healthy plants, ornamentals and natural environments. (Can be combined with *Maintaining a Balance*)

Three excursions in one and the opportunity to explore 165 million years of Australia's evolution. Students compare extinct and extant species; discover pollination mechanisms and co-evolution and observe adaptations of flora and fauna to a drying continent. (Full-day workshop) *Visit our web site for 2012 dates.*



After your lesson take a ride on the 'Choo Choo Express' (Sydney Garden only). Bookings essential — duration 30 minutes, \$4 per student

Lessons at our three botanic gardens

- are conducted by experienced education staff
- cater for students of all ages
- are closely linked to the NSW Board of Studies syllabus outcomes
- address the NSW Primary Curriculum Foundation Statements
- involve students in exciting hands-on experiences
- can cater for whole year groups at once
- last from 90 minutes to full-day workshops
- are regularly evaluated and updated
- can be tailored to suit your requirements
- are assessed for risks and are conducted safely
- are being developed for the introduction of the Australian Curriculum



How to book a lesson

- Choose the lesson you require
- Check our website for lesson and excursion information
- Calculate costs: from \$6.60 per student
- Phone or email Community Education Officers

The Royal Botanic Garden, Sydney:
9231 8134

The Blue Mountains Botanic Garden, Mount Tomah:
4567 3015, eductomah@rbgsyd.nsw.gov.au

The Australian Botanic Garden, Mount Annan:
4634 7930, allen.powell@rbgsyd.nsw.gov.au

