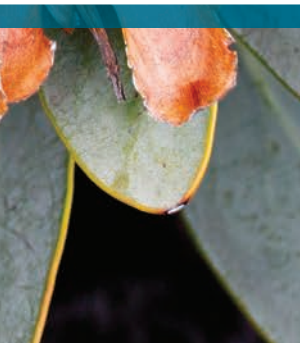




# CapeNature



## *Environmental Education and Awareness Programmes*



*CONSERVATION FOR THE  
PEOPLE WITH THE PEOPLE*

# Environmental Education and Awareness at CapeNature

**CAPENATURE** is a public entity responsible for biodiversity and nature conservation in the Western Cape.

It offers an array of environmental education and general awareness programmes across the Western Cape which cater to the specific needs of teachers and parents. Adult programmes such as informative talks or general awareness programmes are also available on request.

All programmes are fun, interactive and aligned to the curriculum where relevant.

Only the highest standards are applied in a safe environment where learners can experience, explore and learn.

## ON OFFER

- Curriculum aligned programmes (day programmes, either on reserve or outreach)
- Holiday programmes
- General awareness programmes
- Volunteer based programmes
- Exhibitions
- Overnight camps (can be curriculum aligned if needed)
- Teacher workshops

## Only the highest standards

- ✓ Qualified facilitators and educators
- ✓ Safe, secure environment
- ✓ Activities, movement, problem solving

### School programmes

- ✓ Literacy elements
- ✓ Curriculum alignment
- ✓ Numeracy elements
- ✓ Skills practice
- ✓ Arts and science elements (on request)
- ✓ Teacher workshops and support
- ✓ Worksheets
- ✓ Lesson plans provided

### Out of school programmes

- ✓ Fun, interactive engagement
- ✓ Art and craft elements
- ✓ Learning while having fun
- ✓ Numeracy and literacy elements (children)



# The outdoor classroom

## Benefits of an outdoor classroom

- All programmes support and assist with classroom work
- An outdoor classroom offers an environment that enables cognitive and social development
- The teachers' progress takes place in an environment that stimulates learning

## Developing social skills

- More space = less frustration and more cooperation
- Sharing an outdoor classroom environment = building better bonds with the group
- Group activities = problem solving
- Free movement = spontaneity

## Cognitive development

- Using imagination = stimulating creativity
- Critical thinking = developing analytical skills
- Outdoors = excellent sensory perception opportunities (new things to touch, smell, hear and see)
- Decision making opportunities = problem solving and creative thinking stimulation (the outdoor environment varies more than an indoor one)
- Outdoors = opportunity to analyse and interpret information in a natural context



***“Today’s society has become so separated from nature that we actually fail to realize our basic dependence on experiencing nature as a tool for individual growth and development”***



# ① Curriculum aligned programmes

Curriculum aligned programmes afford teachers the opportunity to apply learning in a meaningful way during the school term.

## DURATION:

Day programmes

ON RESERVE: 3 hours

AT SCHOOL: 1 hour or 30 min option

Overnight programmes

3 days/2 nights



Outdoor lessons are designed to include topics that are being dealt with in the classroom at school. Both theoretical and practical contexts are covered.

Programmes can be tailored to suit specific needs and day programmes can be extended into overnight camps at certain venues.

## DAY PROGRAMMES

Theme	Grade	Duration	Topics* Versions may differ for different length of programmes, request a lesson plan for details.	CAPS links
Fire	Grade 5	30 min or 1 hr	Fuels, burning fuels, the fire triangle, safety with fire.	Subject: Natural Science & Technology Strand: Energy & Change Systems Control Topic: Stores energy in fuels Subject: Health & Environmental Responsibility – safety measures at home & in the environment Strand: Creative Arts Topic: Improvise & create (pair role play & improvisation on environmental issue)
Species conservation	Grade 4	1 hr or 3 hrs	Living & non-living things & structure of plants & animals (3hrs), one topic choice for 30min/1hr programme.	Subject: Natural Sciences & Technology Strand: Life & Living Subject: Creative Arts Grade 4 Strand: Imporvise & create = mime

	Grade 5	1 hr or 3 hrs	Plants & animals on earth, different plants & animals (biodiversity), interdependence & animal types (3hr programme). One topic choice for 30min/1 hr programme.	Subject: Natural Sciences & Technology Strand: Life & Living Subject: Life Skills, Developing the Self (reading) Subject: Creative Arts, Improve & Create (Group role play/classroom drama social, cultural or environmental issue)
	Grade 6	1 hr or 3 hrs	Ecosystems, food webs	Subject: Natural Sciences & Technology Strand: Life & Living
Energy & climate change	Grade 4	30 min or 1 hr	Energy for life Energy from the sun Energy chains	Subject: Natural Sciences & Technology Strand: Energy & Change & Systems Control Topic: Energy & Energy Transfer
	Grade 7	30 min or 1 hr	Sources of Energy (Re-neweable & non re-neweable)	Subject: Natural Sciences & Technology Strand: Energy & Change
		30 min or 1 hr	Weather & climate change, the greenhouse effect, global warming (the atmosphere)	Subject: Natural Science & Technology Grade 9 Strand: Planet Earth & Beyond (the atmosphere)
Water	Grade 4	1 hr or 3 hrs	The water cycle, the material around us (solid, liquid, gas)	Subject: Natural Sciences & Technology Strand: Matter & Material & Structures
	Grade 6	1 hr or 3 hrs	Mixtures, the arrangement of particles, dissolving, process to purify water	Subject: Natural Science & Technology Strand: Matter & Materials Subject: Life Skills, Developing the self (problem solving - conflict)



## OVERNIGHT PROGRAMMES

Theme	Grade	Duration	Topics* Versions may differ for different length of programmes, request a lesson plan for details.	CAPS links
Fire, water, species conservation	Grade 4-6	3 days, 2 nights	Critical curriculum programme	<p>Subject: Natural Science &amp; Technology Strand 1: Life &amp; Living Grade 4 - Habitats Grade 5 - Plants &amp; animals on earth, food chains Grade 6 - Ecosystems &amp; food webs Grade 7 - Interdependence Strand: Matter &amp; Materials Grade 6 - Water pollution Strand: Energy &amp; Change Systems Grade 5 - Stored energy in fuels (fuels, fire safety)</p> <p>Subject: Life Skills Health &amp; environmental responsibility - Grade 5 Water as a basic need</p> <p>Developing the self - Grade 6 - Problem solving in conflict situations</p> <p>Subject: Life Orientation Health &amp; social environmental responsibility-Volunteerism (IF VOLUNTEER ACTIVITY SELECTED OVER A HIKE)</p> <p>Physical education - Grade 7 - participates in recreational programme / Grade 8 - participate in activity promoting fitness</p> <p>Subject: Creative Arts Warm up &amp; play Grade 4 - Games exploring creativity, direction, call and response, sensory awareness &amp; listening</p> <p>Improvise and create - Grade 5 - Role play, improvisation on environmental issue (IF PLAY OPTION SELECTED VS STARGAZING)</p> <p>Read, interpret, appreciate &amp; reflect - Grade 4 - classroom drama / Group role play, classroom drama (IF PLAY OPTION SELECTED VS STARGAZING)</p>

## ② General awareness programmes and environmental day celebrations

General awareness programmes and environmental calendar days are celebrated throughout the year. These programmes are suited to all ages and programmes are adapted according to the need. General awareness programmes can also be aligned to the curriculum if required.

PROGRAMMES LINKED TO BIODIVERSITY COMMEMORATIVE DAYS	
BIODIVERSITY CALENDAR DAY	PROGRAMME DATES
World Wetlands Day (2 February)	Programmes during February
World Water Day (22 March)	Programmes during March
Arbor Day (1 September)	Programmes during September
Biodiversity Day	Programmes during May
International Coastal Clean Up Day (21 September)	Programmes during September
National Marine Week	Programmes during October
Fire Awareness	Year round



### GENERAL AWARENESS PROGRAMMES

THE FOLLOWING GENERAL AWARENESS TOPICS OR TALKS ARE AVAILABLE:

THEME	TOPIC
Fire	Prevention and safety (Fire Wise Communities)
Water	Water scarcity and savings tips

### ③ Holiday programmes

**Holiday programmes offer parents and schools a safe, educational environment for learners to spend their time outside of the school term.**

Programmes are available to be held at libraries, schools or on reserve. Holiday programmes are fun, interactive and always include crafts and exploration. Currently all programmes are suited for age 8-12 years.

PROGRAMME NAMES	TOPICS	DURATION
Wacky Water Warrior Programme	Clouds n puddles race, water cycle puzzle, wacky water arts n crafts, wetland investigation and/or mini SASS activity, Perfect Poetry	5 hours (can be tailor made to 1 or 3 hours if required)
Busy Bird Programme	Bird word search, birds of a feather race, Build-a-Bird, save the squawkers, who's a good bird hike (on reserve only)	5 hours (can be tailor made to 1 hour if required)



### ④ Volunteer based programmes

**Volunteer based programmes vary from those that last a few hours to those that are more formal such as the Beyond Expectation Environmental Project (BEEP), the Junior Ranger and Citizen Science Programmes.**

Day programmes usually coincide with environmental days and are appropriate for schools, corporates, adults, and learners alike.

Programmes are always offered with an element of learning and can be done during the school day or outside of it. Examples include invasive alien clearing and beach clean-ups.



### ⑤ Exhibitions

**CapeNature offers the following exhibitions at events or venues:**

- **Educational themes** – water, fire, species conservation – for adults and children
- **General exhibitions** – this includes more information on CapeNature





## ⑥ Overnight camps Kids in Nature, Outdoor Adventures

All programmes below are for a duration of 3 days, 2 nights, starting at noon on day one and ending at noon on day 3.

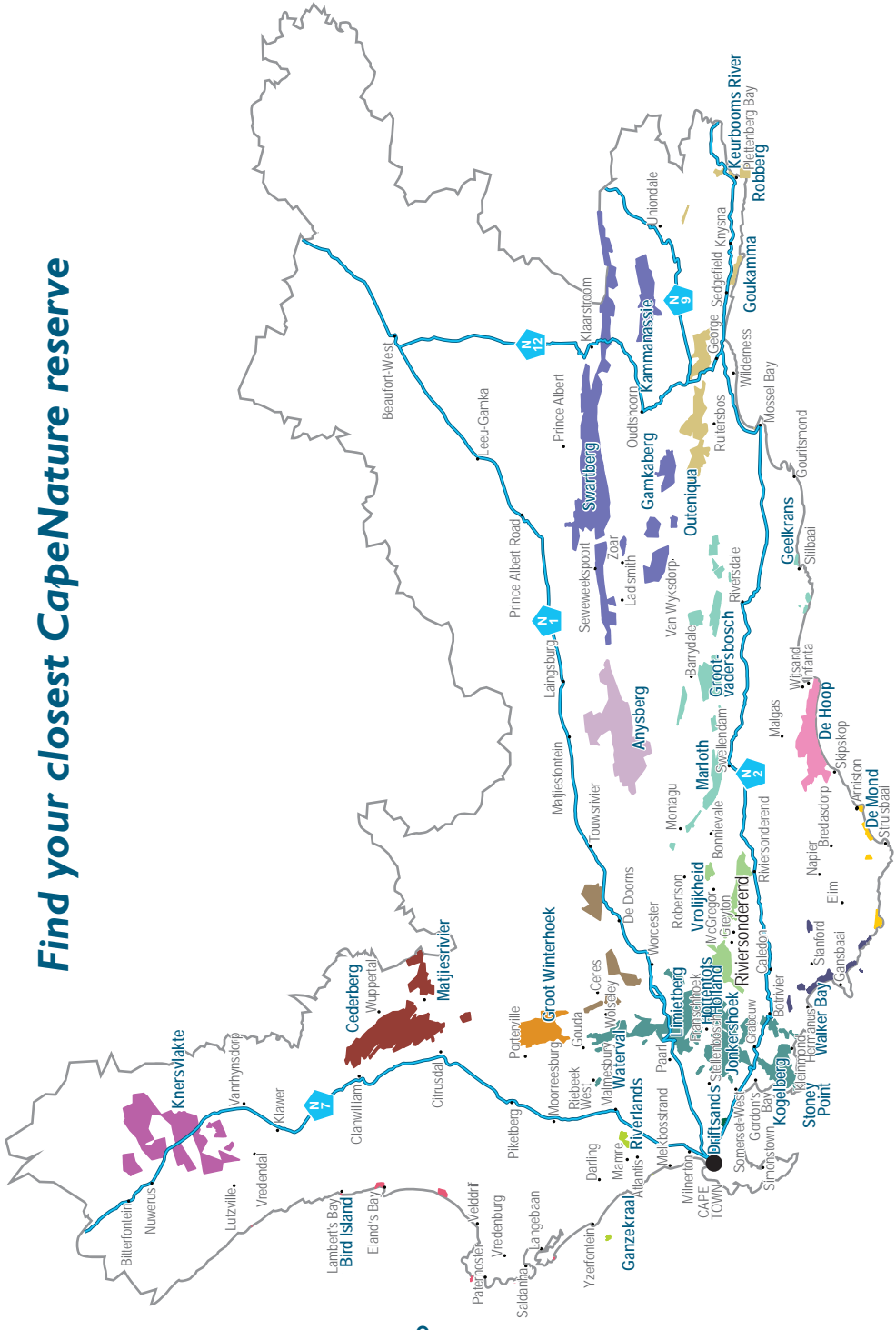
PROGRAMME NAME	AGE SUITABILITY	ACTIVITIES
Mix n match madness	Age 8-12	Camps can be tailor made through mix and matching a variety of activities in any other programme listed.
Self-facilitator	All ages	Camps can be self-facilitated by group leaders. An array of activities are available at each venue should the group wish to use these.
Critical curriculum	Age 8-12	Day 1: animal antics icebreaker, wicked war cries, winning with walking hike, funky food webs, super stars - stargazing, stories around a bonfire, got to guard! Day 2: environmental exercise starter (cardio) team builder time, beautiful bracelet making, fire fire 1, muddy hands propagation, evening amazing race. Day 3: super stretching (yoga), story time (indigenous water story), mission H2O (mini SASS activity), fabulous feedback (graffiti wall), winner takes it all (award ceremony to winning teams)

## ⑦ Teacher workshops

Teachers workshops can be provided for any curriculum aligned programme



Find your closest CapeNature reserve





## Contact us

For queries please email us at

[learning@capenature.co.za](mailto:learning@capenature.co.za)

Visit us at [www.capenature.co.za](http://www.capenature.co.za)



