



CITY OF CAPE TOWN  
ISIXEKO SASEKAPA  
STAD KAAPSTAD

ENVIRONMENTAL EDUCATION  
AS A COASTAL MANAGEMENT RESPONSE  
TO THE CHALLENGES OF URBANISATION  
- THROUGH IMPLEMENTATION OF THE BLUE FLAG PROGRAMME

4<sup>th</sup> Sept 2019

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**Making progress possible. Together.**

# ENVIRONMENTAL ACTION'S GOAL & OBJECTIVES

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- The goal of environmental action is to improve all **ecological relationships** (particularly humanity with nature; and people with each other).
- One of the objectives of environmental action is:
  - to **identify** which **actions** will ensure the preservation and improvement of humanity's potential; & develop social and individual well-being in harmony with the biophysical and man-made environment.

# WHAT IS ENVIRONMENTAL ACTION?

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- Essentially, the need for a ‘new’ **global ethic** borne out of our **environmental situation** - “An ethic which espouses attitudes & behaviour for individuals & societies which are constant with humanity’s place in the biosphere”.
- The reform of educational processes and systems is central to the creation of this new ethic.
- With this in mind, a call was made for “a **world-wide environmental education programme** that would make it possible to develop new knowledge & skills, values & attitudes, in a drive towards a better quality of environment and thus a higher quality of life – for present and future generations”.

## & ENVIRONMENTAL EDUCATION

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- The goal of EE is to develop a world population that is **aware** of – and **concerned about** – the environment and its associated problems; &
  - Which has the knowledge, skills, attitudes, motivations & commitment to work individually and collectively toward **solutions** of current problems
  - And the **prevention** of new ones.

# EE PROGRAMME DEVELOPMENT

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- Determine Challenge
- Determine Solution through Education
- Finalise Target Group
- Develop Learning Materials if necessary
- Objectives Set
- Timeline in place
- Appoint Educator to run with this programme



# Coastal Management in a City: one of the City of Cape Town's responses to a particular challenge.

- Domestic Animals on Beaches



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## BEACH ZONES FOR DOGS & HORSES

### BEACHES (A - H)



**DOG  
ZONE**



**HORSE  
ZONE**

All tidal pools	No dogs	No horses
Bakoven Beach	No dogs	No horses
Beta Beach	No dogs	No horses
Big Bay	No dogs	No horses
Bikini Beach	No dogs	No horses
Blaauwberg	No dogs	No horses
Blue Waters Resort	No dogs	No horses
Broken Bath	No dogs	No horses
Burghers' Walk	Dogs on a leash	No horses
Camps Bay Beach	No dogs during 09:00-18:00 in November-March, free-running at all other times; No dogs at all times in the Tidal Pool and Blue Flag areas.	No horses
Cayman Beach	No dogs	No horses
Clifton 1 <sup>st</sup>	Dogs free running	No horses
Clifton 2 <sup>nd</sup>	No dogs November - March,	No horses

### BEACHES (K - W)



**DOG  
ZONE**



**HORSE  
ZONE**

Kogel Bay Resort	No dogs	No horses
Kreeftebaai	No dogs	No horses
Lagoon Beach, Milnerton	Dogs free running	No horses
Llandudno	No dogs during 09:00-18:00 in November-March, and free running at all other times.	No horses
Long Beach, Kommetjie	Dogs free running	No horses
Long Beach, Simon's Town	Dogs free running	No horses
Macassar Resort	No dogs	No horses
Maiden's Cove	No dogs	No horses
Melkbosstrand 1 <sup>st</sup> to 5 <sup>th</sup> Avenues	1 <sup>st</sup> Ave to 5 <sup>th</sup> Ave dogs on a leash between 07:00 and 17:00; dogs free running between 17:00 and 07:00.	No horses
Melkbosstrand Main Beach from 5 <sup>th</sup> Avenue to Slabbert se Klippe	1 December - 31 March: no dogs between 09:00 and 19:00; dogs on a leash between	No horses

### Problems:

1. Hygiene
2. Hazard
3. Nuisance
4. Ecological

**Awareness  
&  
Information  
is the first  
step!**

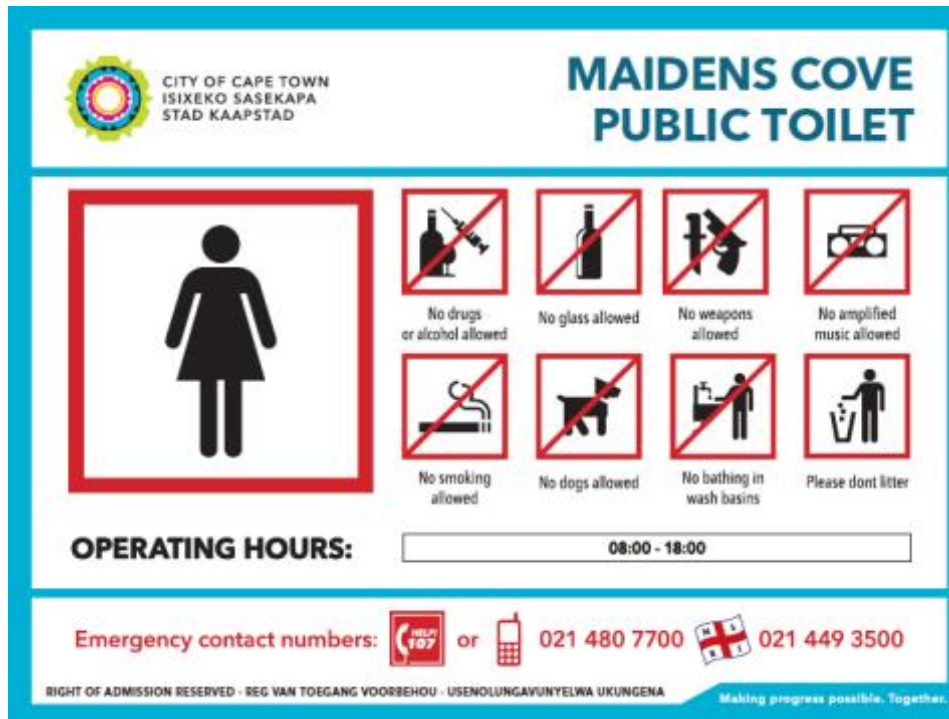


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# Awareness or Enforcement?

- Transversal Approach
- Develop uniform standard
- Consider Target Group for Content



# Draft Version of Dog Signage



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**CLIFTON 1ST  
BEACH**

This a poop scoop area



Free running dogs allowed. No lead needed.  
Honde mag los rondhardloop. Leibande nie vereis nie.  
Zivumelekile izinja ezingabotshelelwanga. Akukho  
mfuneko yakuzibophelela.

Emergency contact numbers:  or  021 480 7700

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# This is a Poop Scoop Area



**PLEASE  
KEEP  
OUR  
BEACH  
CLEAN**

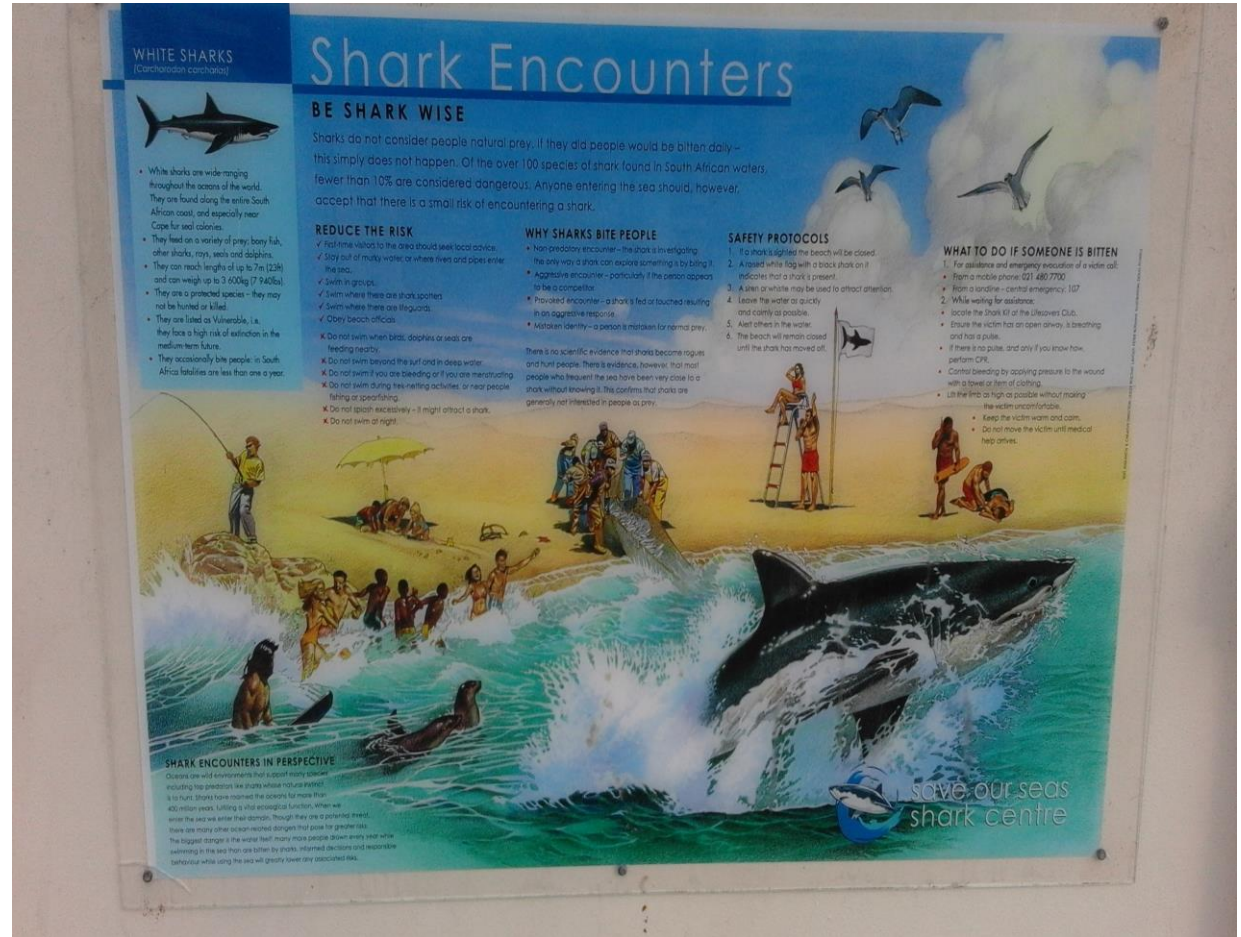


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# Signs for Education



# Education & Awareness: 'Owning the Space'

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- Departmental Newsletter
- Exhibition @ Civic
- Organisational Newsletter (CONTACT)
- Staff IPM's
- Events
- Drowning Prevention
- Blue Flag Committee
- Numerous EE Programmes
- Media Enquiries
- Contribution to City's Smart Living Handbook







# The Reflexive/Reflective Process: Review & Improve

## Environmental Education Programmes:

Feedback Template: 2019 - 2020



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### Name of Programme

Biodiversity and Blue Flag awareness

### Date

4 July 2019

### Locality (beach/school etc)

Harmony Park – Gordon's Bay.

### Description (target audience, method of delivery, resources used)

The Programme was a Youth Holiday Transversal Programme that was actioned by Social Development – Early Childhood Development and Recreation and Parks – Mobile Unit. The ages of the 57 youth participants ranged from 12 – 14 years and they came from a number of informal settlements from Area 1, namely Bloekombos, Joe Slovo, Du Noon Recreation Hall, Scottsdene, Scottsville and Fisantekraal.

The aim was to expose the participants to a natural environment, nature, sea life and Blue Flag awareness in general.

### Notable Highlights

This was the first time most of the learners visited this piece of coast. They really enjoyed the exercise where they could pick up and safely handle a sea urchin and star fish.

### Challenges & lessons learnt

The Two Oceans exercise could have been even more effective if there were more buckets to share amongst the learners and if each group had a play leader from the beginning assisting them.

### Networking analyses (external partners, contacts made)

Two Oceans aquarium mobile unit: Thabo

### Pictures (Annotations to be included)



Left: Participants partaking in an exploration exercise where they were given a sea urchin and star fish to touch.



Top: Participants enjoying ice-breakers and games by the Recreation and Parks mobile unit.



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# OPPORTUNITIES FOR EDUCATION

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## Filming

- Sharp increase in film applications
- Compliance Checks & Non-compliance Meetings
- Will need to run a Workshop with the Film Office regarding environmental parameters
- Hereafter, will need to run a similar workshop with the industry – already discussed this with the Film Office
- Continuous process of Education & Awareness for Industry, in various forms.





# Environmental Control

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- Infrastructure Projects:
  - Tidal Pool Reconstruction
  - Table View Upgrade
  - Demolition of Derelict Structures
  - Dune Rehab (Kogel Bay; Hendon Park)
- Film Shoots
- Events
- Continuous EE process, but with an enforcement angle.



# Pollution Control

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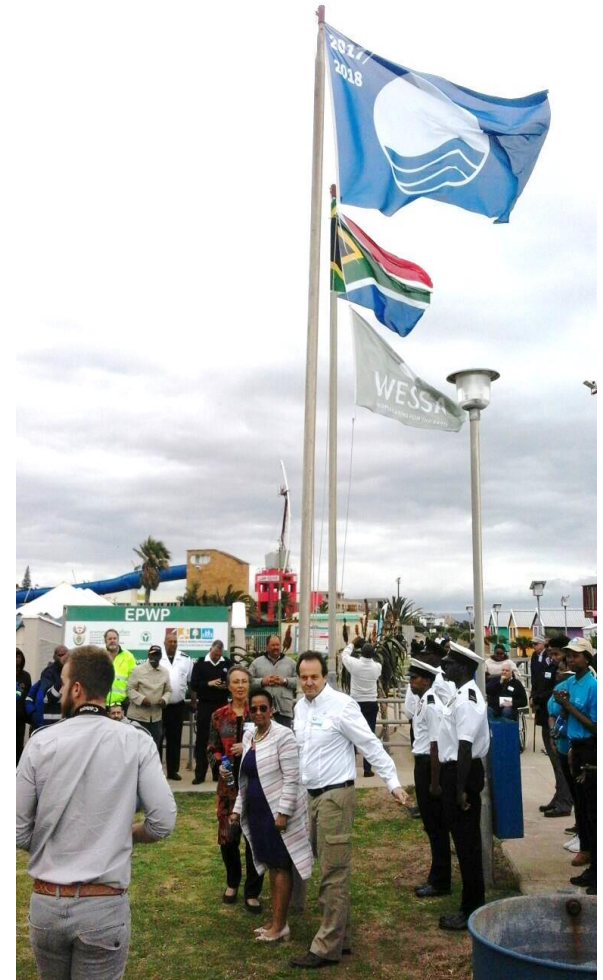
- EE & Awareness, but with a dominant undertone of enforcement.
- Part of co-ordinated response to incidents
- Investigation & Monitoring hereof
- Tracking & logging incidents
- Appointed as member of proposed Coastal Water Quality Committee



# Blue Flag

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- Water Analysis
- Constant Monitoring
- BF Committee Meetings: Feb, Mar, Apr
- BF Provincial Workshop: 22<sup>nd</sup> Feb
- EE Programme Development & Implementation



# Universal Access for the Coast

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## Objectives:

- Internal audit of facilities in progress
- Shortlist of Possibilities
- External audit of shortlist
- Engagement with industry (LOFOB etc)
- Aim for low-hanging fruit & easy-fixes
- Establish New Project Sites
- EE engagement of a different nature.





# EE for the Differently-abled

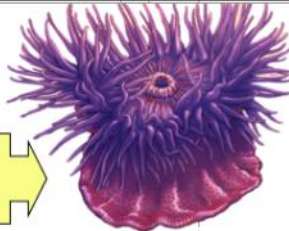
- BF awareness with differently-abled groups
- Scavenger hunt exercise for both visually impaired & hearing impaired

**Zonation and feeding methods**

\* Identify the following creatures found on the rocky seashore.


\* Tick which feeding method they use.

\* Tick in which zone they are found.




**1**

Anemone	
Type of feeder	Filtering
	Grazing
	Photosynth.
	Carnivorous
Zone	Pool
	Splash
	High
	Mid
	Low




**2**

Fan worm	
Type of feeder	Filtering
	Grazing
	Photosynth.
	Carnivorous
Zone	Pool
	Splash
	High
	Mid
	Low




**3**

Volcano barnacle	
Type of feeder	Filtering
	Grazing
	Photosynth.
	Carnivorous
Zone	Pool
	Splash
	High
	Mid
	Low




**4**

Rock crab	
Type of feeder	Filtering
	Grazing
	Photosynth.
	Carnivorous
Zone	Pool
	Splash
	High
	Mid
	Low




**5**

Black mussel	
Type of feeder	Filtering
	Grazing
	Photosynth.
	Carnivorous
Zone	Pool
	Splash
	High
	Mid
	Low



**6**

Chiton	
Type of feeder	Filtering
	Grazing
	Photosynth.
	Carnivorous
Zone	Pool
	Splash
	High
	Mid
	Low



**7**

Abalone/perlemoen	
Type of feeder	Filtering
	Grazing
	Photosynth.
	Carnivorous
Zone	Pool
	Splash
	High
	Mid
	Low



# WHY ENVIRONMENTAL EDUCATION?

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- Both aspects of our environment – the natural & the man-made – are essential to our well-being and to the enjoyment of basic human rights.
- The protection & the improvement of the human environment is a major issue which affects the well-being of people & global economic development.
- We must constantly experience, discover, invent, create and advance. Our capability to transform our environment - if used wisely – can benefit both people & the environment. Yet we see around us much evidence to the contrary.
- The natural growth of populations continuously present problems for the preservation of the environment. Of all the things in the world, people are the most precious.
- And it is people that propel social progress.
- It is people that create social wealth; develop science & technology; & continuously transform the human environment.
- Our capability to improve our natural environment increases with each passing day.

# A Challenge for Parks & Beaches

**#5 This Park Has A Swing For Wheelchair Users**



**#125 This Playground Has A Swing For Wheelchairs**



**#68 This Park Bench Has An Overhang For Wheelchair Users**





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# EE is for EVERYONE!

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