

**KwaZulu-Natal National Botanical Garden  
Environmental Education Centre**

**Programme Details**

Please select one programme suitable for your class, bearing in mind their grade, language and possible links to the curriculum. Bookings are essential. Feel free to discuss any specific needs with our Education Staff.

<i><b>Biodiversity Learning Programme</b></i>			
Programme	Description	Grade	When
<b><i>Grade R-3</i></b>			
1. A sensory introduction to the seasons (CAPS)	Know different seasons, feel contrasting plants, uses 5 senses in exploring the garden. Recognise different types of animals and plants.	1	All Year
2. Trees I Touched	Get to know trees using your senses! Trees are the central theme on which a range of activities are based.	1-3	All Year
3. Animals and Creatures that live in water (CAPS)	Different uses of water, wetland and marine life. Animals and plants that are found in a wetland in or around a wetland. Life cycle of a frog.	2	All Year
4. Sustainable use of resources (CAPS)	Understanding the difference between alien and indigenous, threats to biodiversity, litter audit, sorting of waste.	3	All Year
<b><i>Grade 4-6</i></b>			
5. Biodiversity Investigation	Identification, recording and classification of living and non-living components in a sample plot.	4	All Year
6. Forest Ecosystem	Understanding the importance of trees/forests within the environment, the threats to forests as well as the benefits and man's dependence on them.	4	All Year
7. Water Studies	A look at the diversity of life in a pond, the importance of water and the sustainable use of water.	4-6	All Year
8. Wetlands Ecosystem	What is a wetland? This programme explores the different types of wetlands, biodiversity in wetlands, their importance, and threats to wetlands.	4-6	All Year
9. Biodiversity: Benefits and Dangers	What does 'biodiversity' mean? This programme explores the dangers facing the diversity of life, benefits of biodiversity and ways to sustain it.	5-6	All Year
10. Traditional Plants Uses	The medicinal garden provides an ideal place to identify medicinal plants and their traditional and cultural uses.	5-6	Oct-May
11. Invasive Alien Plants	Indigenous versus alien plants. Identification of alien invasive and their dangers to biodiversity.	5-6	All Year
12. Recycling	Understanding the concept, benefits and impact of recycling. Knowing and differentiating recyclable waste. Dangers of waste to biodiversity.	4-6	All Year
13. Forest Ecosystem	Understand the importance of trees/forests within the environment, the threats to forests as well as the benefits and man's dependence on them.	5-6	All Year
14. Plant Adaptations	Understand the structure of plants and how they adapt to different climates as well as their importance to the environment and people.	5-6	All Year
<b><i>Grade 7-9</i></b>			
15. Recycling	Understanding the concept, benefits and impact of recycling. Knowing and differentiating recyclable waste. Dangers of waste to biodiversity.	7	All Year

16. Traditional Plants Uses	The medicinal garden provides an ideal place to identify medicinal plants and their traditional and cultural uses.	7	Oct-May
17. Invasive Alien Plants	Indigenous versus alien plants. Identification of alien invasive and their dangers to biodiversity.	7	All Year
18. Forest Ecosystem	Understanding the importance of trees/forests within the environment, the threats to forests as well as the benefits and man`s dependence on them.	7-9	All Year
19. Water Studies	A look at the diversity of life in a pond and river, the importance of water and the sustainable use of water. Understanding of the water cycle.	7-9	All Year
20. Biodiversity Benefits and Dangers	What does `biodiversity` mean? This programme explores the dangers facing the diversity of life, benefits of biodiversity and ways to sustain it.	7-9	All Year
21. Plant Adaptations	Understand the structure of plants and how they adapt to different climates as well as their importance to the environment and people.	8-9	All year
<b><i>FET Phase</i></b>			
22. Grassland Ecology	Understanding the grassland as a habitat, ecosystem and biome. Discusses the biodiversity of grassland and explores the benefits and threats to grassland.	10	Oct-May
23. Forest Ecosystem	Understanding the importance of trees/forests within the environment, the threats to forests as well as the benefits and man`s dependence on them.	10-11	All Year
24. Biodiversity and climate change	What does `biodiversity` mean? This programme explores the dangers facing the diversity of life, benefits of biodiversity and ways to sustain it. It also discusses different careers in biodiversity.	10-11	All Year
25. South African Biomes and Plant Adaptations	This programme explores the different types of biomes in South Africa, their climate, geology and population. It also discusses and compares the structure of plants in these biomes and how they adapt to different climatic conditions.	10-11	All Year