

Grade R-3			
8. Sensory Activities*	Games and activities to encourage the use of the senses. A variety of themes can be explored, e.g. seasons, colours, plants, textures.	R-3	All Year
9. Biodiversity Investigation*	Identification, recording and classification of living and non-living components in a sample plot.	2-3	All Year
10. Water is life*	A look at life in a pond and other water-related activities	R-3	Sept-May
11. Trees I Touched*	Get to know trees using your senses! Trees are the central theme on which a range of activities are based.	2-3	All Year
Grade 4-8			
Programme	Description	Grade	When
12. Biodiversity Investigation*	Identify, record and classify the living and non-living components within a sample plot	4-5	All Year
13. Water is life*	A look at the diversity of life in a pond, the importance of water and the sustainable use of water.	4-6	All Year
14. 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.	5-7	All Year
15. Traditional Plants Uses*	The medicinal garden provides an ideal place to identify medicinal plants and their traditional and cultural uses.	5-7	Oct-May
16. Life in the leaves*	A study of leaf litter and the ecology of the organisms that live in it.	5-7	Sept-May
17. Vegetation Types*	An elementary comparison of vegetation (biomes) of the forest, desert, fynbos and grassland areas.	5-6	All Year
18. Alien Invasive Plants*	Indigenous versus alien plants. Identification of alien invasives and their dangers to biodiversity.	7-8 6-8	All Year
19. Food Chains and Food Webs*	A practical look at food chains and food webs. Classification of herbivores, carnivores and omnivores.	6-8	Sept-May
20. Plant Adaptations	A practical look at plants adaptations, comparing the forest and semi-desert areas.	6-8	All Year
21. Grassland Life*	Explore the biodiversity in the grassland.	6-8	Oct-May
22. Weird and Wonderful*	Learners are taxonomists exploring and classifying a variety of plants with the focus on algae, mosses, ferns and fungi.	6-8	All Year
23. Trees I Touched	Trees are the central theme on which a range of activities are based.	4-5	All Year
24. Seeds	A game introduces germination and seed adaptations. Learners explore the importance of seeds to people through cultural activities	4-5	All Year
Grade 8-12			
Programme	Description	Grade	When
1. Plant Adaptations*	A comparison of the adaptations of plants in the mountain forest and semi-desert areas.	8-12	All Year
2. Cycads Alive*	An introduction to gymnosperms and looking at cycads as 'living fossils'. It compares different adaptations to different habitats, the importance of cycads and the impact of people on their survival.	10-12	All Year
3. Grassland Ecology*	Sample plots and line transects are used to identify, record and classify the biotic and abiotic components of the grassland.	9-11	Oct – May
4. Diversity of Plants*	The garden becomes a walk through time and space as learners review the plant kingdom and the way in which plants have evolved.	11-12	All Year
5. Traditional Plant Uses*	The Traditional Plant Garden grows a wide range of indigenous plants for learners to compare traditional medicinal plants with 'modern' medicines. They will apply concepts such as 'benefit-sharing' and 'sustainable use' of resources.	8-11	Oct-May
6. Population Dynamics*	A practical field application of comparing different sampling methods in the grassland.	10-12	All Year
7. Ecotourism	Explore the Pretoria National Botanical Garden as a destination for tourists.	8-12	All Year
<i>Optional consolidation activities: These activities can be combined with a programme above.</i>	+ <i>Plant Tissues: Practical identification of tissues, based on morphology. (Prog. 1)</i>	8-12	All Year
	+ <i>Garden design: Apply knowledge of plant adaptations to plan a garden. (Prog. 1)</i>	8-12	
	+ <i>Why sustainability?: Making decisions for sustainable development. (All programmes)</i>	8-12	