

HELDERBERG NATURE RESERVE RESOURCE CENTRE

SUBJECT SCHEDULE

Index

GENERAL

PLANTS

ANIMALS

LIFE FORCES

ENVIRONMENT

POLLUTION

CONSERVATION

WEATHER

RECYCLING/ WASTE MANAGEMENT

PEOPLE

USING NATURAL RESOURCES

NATIONAL MONUMENTS

FARMING

TOURISM

RECREATION

INTERNATIONAL WILDLIFE

HELDERBERG NATURE RESERVE

SPECIAL DAYS

SUBJECT	SUBDIVISION	TOPIC
General		
	Astronomy / sun	
	Light/sound/radiation/energy/electricity/time	
	Mineralogy/geology/soil / (Erosion, structure, etc) / Desertification	
	Geography/ Islands	
	Fossils (general works)	
		Archaeology
		Animal fossils
		Plant fossils
	Biology	
		Microbiology
		Bacteriology
	Maps	
		Conservation Area Map/ Peace Park Boundaries
		Eco Maps of Southern Africa
		Topographical Maps 1: 50 000
		Meteorological Map
		Tourism Maps: The Flora Route
		The Cape Peninsula Map
		The Lourensford Map 1: 10 000
		Topographical Overlay Map: Knorhoek
Plants		
	Regional	
		Fynbos/ W. cape
		Conservation
		What is fynbos?
		Specific areas: (Renosterveld, Strandveld (Cape Dune Thicket), Coastal fynbos (Sandplain or Lowlands fynbos) Mountain fynbos
		Ericoids
		Proteoids
		Restioids
		Subordinate genera
		Plant-animal relationship
		Fire and fynbos
		Grassland/veld
		Namaqualand/Richtersveld Knersvlakte
		Desert
		West Coast
		Karoo
		Other areas:(not fynbos areas) Bushmanland/sandveld/bokkeveld/ ridges/valley/thicket
		Other areas outside South Africa

SUBJECT	SUBDIVISION	TOPIC
	Specific types	Flowers
		Flowers
		Specific types of flowers
		Pollination
		Trees/Forests
		Specific trees
		Forest
		Cycads /Gymnosperms (pines)
		Ferns/moss
		Succulents/geophytes
		Fungi/lichens/algae
		Aquatic/seaweed/kelp
		Grasses/lawns
		Indigenous gardens/ water wise gardening
	Invader species/ Aliens / Weeds	
		Biological control
		Hacking
	Medicinal plants/ Edible plants/ veldkos/ Herbs	
	Endangered species	
	Pests (threatening plants)	
	Fruits and seeds	
	Poisonous plants	
	Carnivorous/ parasitic plants	
	New species	
	Plant diseases	
	Wood destroying organisms	
Animals		
	Regional (e.g. climatic zone)	
		Desert
	Reptiles	
		Snakes
		Crocodiles
		Turtles & tortoises
		Lizards/skinks/geckos/leguaan /chameleon

SUBJECT	SUBDIVISION	TOPIC
Animals	Birds	
		Migration
		Raptors: Vultures, eagles, buzzards, goshawks, sparrow hawks, harriers, osprey, falcons & kestrels
		Water birds: Grebes, pelicans, cormorants (except bank & crowned cormorants), darters, herons, egrets & bitterns, hamerkop, stork, Ibis & spoonbills, Flamingoes, ducks & geese, Rail, crakes, flufftails, gallinules, moorhens & coots, cranes, finfoots, jacanas, skimmers, kingfishers (except pygmy, woodland, brownhooded & greyhooded)
		Seabirds: Penguins, Albatrosses, Shearwaters & petrels, Storm petrels, tropic birds, Gannets & boobies, Bank & crowned cormorants, Frigate birds, sheathbills, Skuas, gulls & terns
		Rare birds / endangered species
		Waders: Painted snipes, oystercatchers, plovers, snipes, godwits, sandpipers, stints, curlews, phalaropes, avocets & stilts, crab plover & dikkops
		Garden birds / seed eaters: Pigeons & doves, mousebirds, bulbuls, sugarbirds, sunbirds, white-eyes, sparrows, weavers, bishops, gueleas, widows & cuckoofinch, twinspots, seedcrackers, firefinches, waxbills, canaries, siskins & finches
		Game birds/ Savannah birds: Secretary bird, francolins, & guineafowl
		Terrestrial birds/Flightless Ratites: Ostrich, buttonquail, bustards, korhaans, larks, finchlarks, Wagtails, pipits & longclaws
		Nocturnal birds: Owls, nightjars
		Other wild birds/Forest birds: Parrots, louries, cuckoos, coucals, swifts, trogons, woodland, brownhooded & greyhooded kingfishers, bee-eaters, rollers, hoopoe, woodhoopoes & scimitarbills, hornbills, barbets, honeyguides, woodpeckers & wrynecks, broadbills, pitas, swallows & martins, cuckooshrikes, drongos, crows & ravens, tits, penduline tits, spotted creeper, babblers, thrushes, chats, robins, rockjumpers, warblers, apalises, eremomelas, grassbird, rockrunner, cisticolas & prinias, flycatchers, batises, shrikes, puffbacks & whitetailed shrike
		Alien/invader/exotic birds

SUBJECT	SUBDIVISION	TOPIC
	Mammals	
		Insectivores: Golden moles, hedgehog, elephant shrews, shrews, bats – except fruitbats
		Primates: Monkeys & baboons, bushbabies
		Pangolin
		Hares & rabbits
		Rodents: Squirrels, dormice, springhare, molerats, porcupine, cane-rats, dassie-rats, rats and mice
		Carnivores: Wild dog, jackals, foxes, otters, badger weasel, polecat, mongoose, suricates, civets, genets, hyenas, aardwolf, cats
		Aardvark
		Elephants
		Dassies
		Odd toed ungulates: Zebra, rhinoceros
		Even toed ungulates: Pigs, hippopotamus, giraffe, fallow deer, antelope, buffalo, wildebeest
		Whales & dolphins
		Dugong
		Seals
	Fish	
		Specific types
	Amphibians	
	Insects	
		Parasites
		Bees/wasps
		Scorpions/millipedes/centipedes
		Moths/butterflies/caterpillars
		Grasshoppers/crickets/locusts
		Spiders
		Dragonflies/caddis flies/damsels /mayflies/ fish moths
		Beetles/bugs/fireflies
		Ants/termites
		Flies/mosquitoes
		Worms
		Stick insects/mantids/cockroaches
		Other – earwigs, weevils /peripatus

SUBJECT	SUBDIVISION	TOPIC
	Other (shellfish, plankton etc.)	Marine
		Jellyfish/bluebottles/hydra
		Snails, whelks, mussels, perlemoen, shells
		Decapods, crabs, rock lobsters, prawns, shrimps
		Sponges/Corals
		Sea horses
		Plankton
		Nudibranchs (seaslugs – without shells)
		Starfish/anemone/sea urchins
		Octopus
	Endangered species / Extinct species	
		Mammals
		Butterflies
		Amphibians & reptiles
		Birds
		Fish
		Other (e.g. pangolin)
	Alien/invader species	
	Diseases (threatening animals)	
	Biological control /pest management/ pesticides / Insecticides	
Life forces		
	Evolution	
	Genetics/cloning/ Biodiversity	
	Ecology, fire/foodweb/symbiosis	
	Research/science /inventions	
Environment		
	Rivers	
		Unused number
		Specific rivers
	Deserts	
	Sea/oceans/coral reefs	
	Mountains / gorges / caves /craters/ catchment areas/ heuweltjies	
		Mountains / heuweltjies
		Gorges
		Caves
		Craters/geysers
		Catchment areas
	Wetland/mangroves / swamps / bogs / pans / dams	
		Estuaries
		Specific areas
		Threats to wetland
		Mangroves/swamps/bogs/ /marshes//pans/dams
		Conservation & RAMSAR sites
		Wetlands-plant-animal relationships

SUBJECT	SUBDIVISION	TOPIC
	Coastal/lagoons/dunes	
	National parks / sanctuaries / biospheres/ natural heritage sites /peace parks / Transfrontier parks/Game reserves/Marine reserves / Sanctuaries / Nature reserves/ African Park / Wilderness areas / World Heritage Sites / Botanical Gardens	
		National parks/ game reserves
		Nature reserves/ Peace parks/ Transfrontier Parks/ Marine reserves
		African parks
		Wilderness areas/ biospheres/ natural heritage sites/ conservancies / sanctuaries / World Heritage Sites
		Botanical gardens
		West Coast
	Place names/countries/cities	
Pollution		
	Land/landfills & rubbish dumps	
	Water / sea / rivers / lakes /dams	
	Air	
	Types	
	Animals (and other)	
Conservation		
	Conservation management-places	
	Conservation-plants	
	Conservation-animals	
	Conservation-people	
Weather		
Recycling / Waste management		
People		
	History/art/ethnic groups/culture/myths	
	Population/influence/ land claims/political/policies/cites/ laws	
	Action groups	
	Conservationists	
	Traditional healers/ muti/witch doctors/ sangoma	
	Diseases of man/medicine	
	Nutrition of man/human body	

SUBJECT	SUBDIVISION	TOPIC
Using natural resources		
	Hunting	
	Culling	
	Trafficking: animals and plants	
	Sustainable utilization (approved 'green' usage e.g. solar energy)	
		Urbanisation/development
		Managing urban & cultural environment
	Water usage	
	Problematic practices (war/industry/etc)	
		War
		Industry
		Other specific problematic practices/ fences / poaching / roads / long line fishing
	Environmental Education	
National Monuments		
Farming		
	Permaculture / aquaculture / hydroculture	
	Organic farming/crops	
	Problematic practices (snares, gintraps poisoning, spraying, etc)	
	Domesticated animals/ Animal husbandry	
Tourism		
Recreation		
	Trails / 4X4 trails / hiking / camping / cycling/horse riding	
	Birding /wildlife observation/ringing	
	Canoeing/safari	
	Diving/ballooning /caving	
	Whale watching	
International wildlife		
Helderberg Nature reserve		
	Curators	
	Management plan	
	Fauna and Flora	
	News articles	
	History, rainfall, maps,etc	
Special days		
	Arbor Day	
	Marine week	
	World Environmental Week	
	National Water week	
	World Meteorological Day	