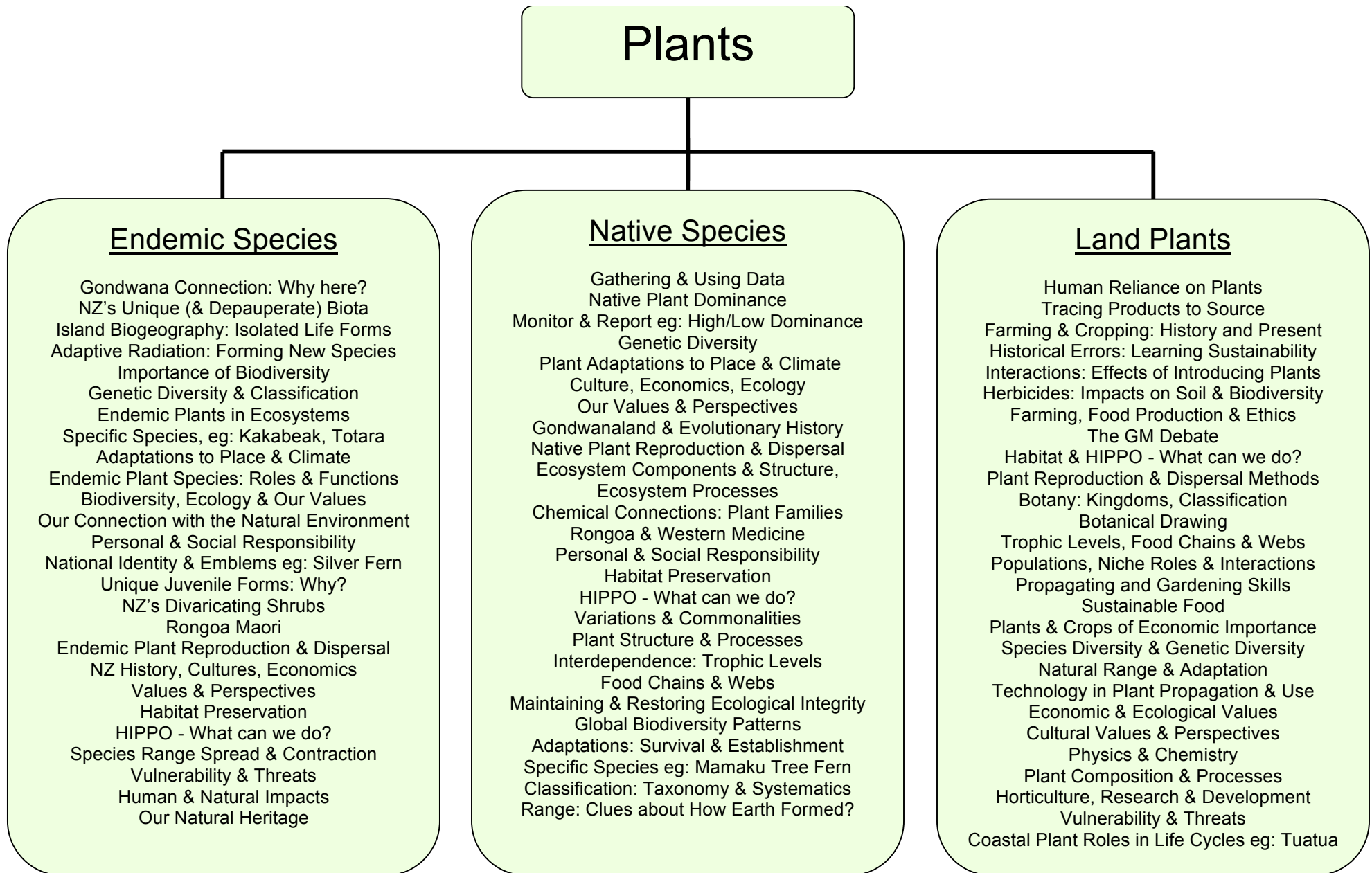


# **APPENDIX 1g: SOME LEARNING LINKS WITHIN THE PHYSICAL CONTEXT: PLANTS**

## **Pan Pac Kiwi Crèche and Wilderness Education Base**



# Plants

(continued)

## Glossary of Acronyms

**HIPPO** – Habitat Destruction  
Invasive Species  
Pollution  
Population  
Over-Harvesting

### Aquatic Plants

Ecological Roles of Aquatic Plants  
Native, Endemic & Introduced  
Economic & Cultural Values & Perspectives  
Human Reliance on Plants  
Tracing our Products to Source  
Marine, Freshwater, Estuarine Species  
Human Action: Informed vs Uninformed  
Social & Personal Responsibility  
Trophic Levels, Food Chains & Webs  
Marine Processes  
Physical, Chemical & Biological Processes  
Aquatic Plant Reproduction & Dispersal  
Botany: Kingdoms, Classification,  
Populations, Niche Roles & Interactions  
Healthy Aquatic Environments  
Pollutants & Threats: HIPPO  
Wetland Plants: The Filter Effect  
Plant Technology eg: Sewerage Treatment  
Problem Solving  
Sustainable Aquatic Weed Control  
Marine Threats: Introduced Aquatic Plants  
Algal Blooms: What? Why?  
Growth eg: Submerged, Floating  
Aquatic Plants, Seaweeds & Algae  
Specific Aquatic Plants eg: Milfoils

### Pest Species

What is a Weed? Plant Pests & Threats  
History: How did weeds arrive in NZ?  
NZ's Biosecurity  
Legislation for the Environment  
Roles of Environmental Protection Authority  
Specific Noxious Weeds eg: Pinus Contorta  
Eradication vs Control: What's Possible?  
Gathering & Interpreting Data  
Evaluations of Success for Weed Control  
Weed Control Methods & Ethical Debate  
Problem Solving  
Sustainable Weed Control  
Plant Reproduction & Dispersal Methods  
Culture, Economics, Ecology  
Values & Perspectives  
Environmental & Economic Impacts  
Landowner Responsibility  
Soil Conditions & Plant Growth  
Attitudes eg: Settlers' Nostalgia for "Home"  
Human Action: Informed vs Uninformed  
Social & Personal Responsibility  
Aquatic Weeds: "Check Clean & Dry"  
Impacts of Chemical & Biological Controls  
Impacts of Land Clearance  
Ecological Integrity

### Fossils

Fossil Fuels: the Vegetation Connection  
Coal: Tracing Products to Source  
Earth Detectives: What Fossils Teach Us  
Time Capsules of NZ's Formative History  
Species Range Clues: How NZ Formed  
Time Detectives: Extinct Species  
Evidence of Global Weather Patterns  
Technology, eg: DNA Sampling  
Geology  
Land Composition, Structure, Processes  
Impacts of Climate Change  
Sea Levels & Life Forms  
Minerals & Soil Nutrients  
Decomposition & Preservation  
Geothermal & Volcanic Activity  
Seismological Activity in NZ  
Geography: Changing Land Forms  
Evolutionary Adaptations; How & Why?  
Discovery & Analysis  
Hypothesis & Critical Evaluation  
Scientific Advances & Ethical Debate  
Ecological & Economic Values  
Cultural Perspectives  
Museums: Preserving the Past  
Mining & Related Industries