·						
7s3 7s2	3. Demonstrate an understanding of interactions between and among biotic and abiotic elements in the environment.2. Investigate interactions within the environment, and identify factors that affect the balance between different components of an ecosystem.					
	2. Investigate interactions within the crivite			L 4		
	Shows little understanding of interactions	Shows some understanding of interactions	Shows considerable understanding of	Shows a high degree of understanding of		
	between biotic and abiotic elements and factors	between biotic and abiotic elements and factors	interactions between biotic and abiotic elements	interactions between biotic and abiotic elements		
	that affect the balance between different	that affect the balance between different	and factors that affect the balance between	and factors that affect the balance between		
	components of an ecosystem	components of an ecosystem	different components of an ecosystem	different components of an ecosystem		
Knowl	1 ,		comprehension of its meaning and significance (· · · · · · · · · · · · · · · · · · ·		
7s11	demonstrates a limited understanding of an	demonstrates some understanding of an	demonstrates a considerable understanding of	demonstrates a high degree of understanding		
	ecosystem as a system of interactions between	ecosystem as a system of interactions between	an ecosystem as a system of interactions	of an ecosystem as a system of interactions		
	living organisms and their environment	living organisms and their environment	between living organisms and their environment	between living organisms and their environment		
	 identifies with many errors the biotic and 	• identifies with some errors the biotic and	• identifies with few errors the biotic and abiotic	• identifies with no errors the biotic and abiotic		
7s12	abiotic elements in an ecosystem	abiotic elements in an ecosystem	elements in an ecosystem	elements in an ecosystem		
7:12	 identifies with many errors interactions 	 identifies with some errors interactions 	• identifies with few errors interactions between	• identifies with no errors interactions between		
7s12	between biotic and abiotic elements	between biotic and abiotic elements	biotic and abiotic elements	biotic and abiotic elements		
	abiotic-abiotic, abiotic-biotic , biotic-biotic	abiotic-abiotic, abiotic-biotic , biotic-biotic	abiotic-abiotic, abiotic-biotic , biotic-biotic	abiotic-abiotic, abiotic-biotic , biotic-biotic		
7s13	• identifies and explains with many errors the	• identifies and explains with some errors the	• identifies and explains with few errors the	• identifies and explains with no errors the roles		
	roles and interactions of producers, consumers	roles and interactions of producers, consumers	roles and interactions of producers, consumers	and interactions of producers, consumers and		
	and decomposers	and decomposers	and decomposers	decomposers		
7s8	• identifies with many errors the factors that	• identifies with some errors the factors that	• identifies with few errors the factors that	• identifies with no errors the factors that affects		
	affects the balance in an ecosystem	affects the balance in an ecosystem	affects the balance in an ecosystem	the balance in an ecosystem		
This	(fire, drought, invasive)	(fire, drought, invasive)	(fire, drought, invasive)	(fire, drought, invasive)		
1 ninki	ing and investigation (Use of critical/creative th	nnking processes, skins, and strategies: Creativity	y, Application of prior knowledge/skills) i.e. webs			
	• uses critical/creative thinking processes, skills,	• uses critical/creative thinking processes, skills,	• uses critical/creative thinking processes, skills,	• uses critical/creative thinking processes, skills, and strategies with a high degree of		
	and strategies with limited effectiveness	and strategies with some effectiveness	and strategies with considerable effectiveness	effectiveness		
7s6	 with much assistance follows established 	with some assistance follows established safety	with no assistance follows established safety	• with no assistance follows established safety		
	safety procedures for investigating ecosystems	procedures for investigating ecosystems	procedures for investigating ecosystems	procedures for investigating ecosystems		
Comm	nunication (Expression and organization of ideas	and information in oral, visual, and/or written fo	rms)	procedures for investigating ecosystems		
	Student expresses and organizes ideas and	Student expresses and organizes ideas and	Student expresses and organizes ideas and	Student expresses and organizes ideas and		
7s10	information using a variety of forms with	information using a variety of forms with some	information using a variety of forms with	information using a variety of forms with a high		
	limited effectiveness	effectiveness	considerable effectiveness	degree of effectiveness		
	Student uses vocabulary and terminology of the	Student uses vocabulary and terminology of the	Student uses vocabulary and terminology of the	Student uses vocabulary and terminology of the		
7s9	discipline with limited effectiveness in oral and	discipline with some effectiveness in oral and	discipline with considerable effectiveness in oral	discipline with a high degree of effectiveness in		
	written communication	written communication	and written communication	oral and written communication		
Applic	cation (Transfer of knowledge and skills to unfan	niliar contexts: Creativity, Application of prior kr	nowledge and skills)			
7s7	designs, constructs and interprets with many	designs, constructs and interprets with some	designs, constructs and interprets with few	designs, constructs and interprets with no		
	errors a model ecosystem to illustrate	errors a model ecosystem to illustrate	errors a model ecosystem to illustrate	errors a model ecosystem to illustrate		
	interactions and factors that affect the balance	interactions and factors that affect the balance	interactions and factors that affect the balance	interactions and factors that affect the balance		
	between different components of an ecosystem	between different components of an ecosystem	between different components of an ecosystem	between different components of an ecosystem		
7 12	abiotic-abiotic, abiotic-biotic , biotic-biotic	abiotic-abiotic, abiotic-biotic , biotic-biotic	abiotic-abiotic, abiotic-biotic , biotic-biotic	abiotic-abiotic, abiotic-biotic , biotic-biotic		
7s13	 draws and interprets with many errors food 	draws and interprets with some errors food	draws and interprets with few errors food webs	• draws and interprets with no errors food webs		
7s14	webs in an ecosystem	webs in an ecosystem	in an ecosystem	in an ecosystem		
/314	• describes with many errors the transfer of	• describes with some errors the transfer of	• describes with few errors the transfer of energy	• describes with no errors the transfer of energy		
	energy in a food chain and explains the effects	energy in a food chain and explains the effects	in a food chain and explains the effects of	in a food chain and explains the effects of		
7s15	of elimination of any part of the chain	of elimination of any part of the chain	elimination of any part of the chain	elimination of any part of the chain		
	• describe with many errors how matter is cycled	• describe with some errors how matter is cycled	describe with few errors how matter is cycled	describe with no errors how matter is cycled		
	within the environment and explain how it	within the environment and explain how it	within the environment and explain how it	within the environment and explain how it		
7s17	promotes sustainability	promotes sustainability	promotes sustainability	promotes sustainability		
	• explains with many errors why an ecosystem is limited in the number of living things that it can	• explains with some errors why an ecosystem is limited in the number of living things that it can	• explains with few errors why an ecosystem is	• explains with no errors why an ecosystem is		
	umited in the number of living things that it can	i ilmited in the number of living things that it can	limited in the number of living things that it can	limited in the number of living things that it can		
	support	support	support	support		

7s1	1. Assess the impacts of human activities and technologies on the environment, and evaluate ways of controlling these impacts					
	1	2	3	4		
	Shows little understanding of impacts of	Shows some understanding of impacts of	Shows considerable understanding of impacts	Shows a high degree of understanding of		
	human activities and technologies on the	human activities and technologies on the	of human activities and technologies on the	impacts of human activities and technologies		
	environment and evaluates ways of	environment and evaluates ways of	environment and evaluates ways of	on the environment and evaluates ways of		
	controlling these impacts.	controlling these impacts.	controlling these impacts.	controlling these impacts		
Know	ledge and Understanding (Subject - specific cor					
7s18	• identifies with many errors human activities	• identifies with some errors human activities	• identifies with few errors human activities	• identifies with no errors human activities		
	and technologies that alter the balance within	and technologies that alter the balance within	and technologies that alter the balance within	and technologies that alter the balance within		
	a local ecosystem (fire, drought, invasive)	a local ecosystem (fire, drought, invasive)	a local ecosystem (fire, drought, invasive)	a local ecosystem (fire, drought, invasive)		
7s 18	• identifies with many errors several impacts	• identifies with some errors several impacts	• identifies with few errors several impacts of	• identifies with no errors several impacts of		
	of human activities and technologies on the	of human activities and technologies on the	human activities and technologies on the	human activities and technologies on the		
	environment	environment	environment	environment		
7s1	• identifies with many errors several ways to	• identifies with some errors several ways to	• identifies with few errors several ways to	• identifies with no errors several ways to		
,51	control impacts of human activities and	control impacts of human activities and	control impacts of human activities and	control impacts of human activities and		
	technologies on the environment	technologies on the environment	technologies on the environment	technologies on the environment		
7s 16	• distinguish with many errors between	• distinguish with some errors between	• distinguish with few errors between primary	• distinguish with no errors between primary		
	primary succession and secondary succession	primary succession and secondary succession	succession and secondary succession	succession and secondary succession		
- 40	• describe with many errors Aboriginal	• describe with some errors Aboriginal	• describe with few errors Aboriginal	describe with no errors Aboriginal		
7s 19	perspectives on sustainability and describe	perspectives on sustainability and describe	perspectives on sustainability and describe	perspectives on sustainability and describe		
	ways in which they can be used in habitat and	ways in which they can be used in habitat and	ways in which they can be used in habitat and	ways in which they can be used in habitat and		
	wildlife management	wildlife management	wildlife management	wildlife management		
This	_	=	_	_		
1 nink	ing and Investigation (Use of critical/creative th	inking processes, skins, and strategies: Creativity	, Application of prior knowledge/skills) i.e. webs	• uses critical/creative thinking processes, skills,		
	• uses critical/creative thinking processes, skills,	• uses critical/creative thinking processes, skills,	• uses critical/creative thinking processes, skills,	and strategies with a high degree of		
	and strategies with limited effectiveness	and strategies with some effectiveness	and strategies with considerable effectiveness	effectiveness		
	with much assistance follows established	with some assistance follows established	with no assistance follows established safety	• with no assistance follows established safety		
7s6	safety procedures for investigating ecosystems	safety procedures for investigating ecosystems	procedures for investigating ecosystems	procedures for investigating ecosystems		
Comn	nunication (Expression and organization of ideas	and information in oral, visual, and/or written for	rms)	1 1		
	Student expresses and organizes ideas and	Student expresses and organizes ideas and	Student expresses and organizes ideas and	Student expresses and organizes ideas and		
7s10	information using a variety of forms with	information using a variety of forms with some	information using a variety of forms with	information using a variety of forms with a high		
	limited effectiveness	effectiveness	considerable effectiveness	degree of effectiveness		
	Student uses vocabulary and terminology of the	Student uses vocabulary and terminology of the	Student uses vocabulary and terminology of the	Student uses vocabulary and terminology of the		
7s9	discipline with limited effectiveness in oral and	discipline with some effectiveness in oral and	discipline with considerable effectiveness in oral	discipline with a high degree of effectiveness in		
	written communication	written communication	and written communication	oral and written communication		
Applio	cation (Transfer of knowledge and skills to unfan	niliar contexts: Creativity, Application of prior kn	owledge and skills)			
7s4	assess with many errors the impact of	• assess with some errors the impact of	• assess with few errors the impact of selected	• assess with no errors the impact of selected		
	selected technologies on the environment	selected technologies on the environment	technologies on the environment	technologies on the environment		
7.5	• analyse with many errors the costs and	• analyse with some errors the costs and	• analyse with few errors the costs and	• analyse with no errors the costs and benefits		
7s5	benefits of selected strategies for protecting	benefits of selected strategies for protecting	benefits of selected strategies for protecting	of selected strategies for protecting the		
	the environment	the environment	the environment	environment		
7s18	• examines and interprets with many errors	• examines and interprets with some errors	• examines and interprets with few errors	• examines and interprets with no errors		
7510	personal Ecological Footprint (Carbon)	personal Ecological Footprint (Carbon)	personal Ecological Footprint (Carbon)	personal Ecological Footprint (Carbon)		
	• designs, constructs and interprets with many	• designs, constructs and interprets with some	• designs, constructs and interprets with few	• designs, constructs and interprets with no		
	errors a table and graph with many errors to	errors a table and graph with some errors to	errors a table and graph with few errors to	errors a table and graph with no errors to		
	display data of Carbon Footprint	display data of Carbon Footprint	display data of Carbon Footprint	display data of Carbon Footprint		
7s1	• creates a list of ways with many errors to	• creates a list of ways with some errors to	• creates a list of ways with few errors to	• creates a list of ways with no errors to		
	reduce personal Carbon Footprint	reduce personal Carbon Footprint	reduce personal Carbon Footprint	reduce personal Carbon Footprint		
	reduce personal Carbon Pootprint	reduce personal Carbon Footprint	reduce personal Carbon Pootprint	reduce personal Carbon Footprint		