Unit 3: Landscape Ecology

		Skill	Objectives	Cognitive Domain and Learning Cycle Sta
Module 9	Types of Ecosystems			
	List the characteristics of terrestrial, aquatic, and			
Learning Objective 1.4.1	wetland ecosystems	1.4.1A	Describe the characteristics of a terrestrial ecosystem	Remembering, concrete experience
			Describe the characteristics of aquatic ecosystems,	
			including the difference between marine and	
		1.4.1B	freshwater	Remembering, concrete experience
	A .A.	1.4.1C	Define a wetland	Remembering, concrete experience
	01 100	1.4.1D	Define brackish water	Remembering, concrete experience
	2000	1.4.1E	Define marsh, fen, bog, mangrove	Remembering, concrete experience
	Key Jy oko	1	Define marsh, ren, 208, mangrove	nemental grand etc experience
Module 10	World Biomes		, xgl V 0, yg	
(N)	Describe how geography drives the locations of the		Describe the characteristics and typical location of	
	Earth's biomes	1.4.2A	tropical forests	Remembering, concrete experience
Learning Objective 1.4.2	Cultur's biolities	1.4.2/	Describe the characteristics and typical location of	Remembering, concrete experience
1,100	1	1.4.2B	deciduous forests	Remembering, concrete experience
- Or		1.4.ZD	Describe the characteristics and typical location of	nemembering, concrete experience
		1 1 20	V.	B I
		1.4.2C	savannahs	Remembering, concrete experience
			Describe the characteristics and typical location of	
		1.4.2D	temperate grasslands	Remembering, concrete experience
			Describe the characteristics and typical location of	
		1.4.2E	deserts	Remembering, concrete experience
			Describe the characteristics and typical location of	
		1.4.2F	coniferous forests	Remembering, concrete experience
			Describe the characteristics and typical location of	
		1.4.2G	chaparral	Remembering, concrete experience
			Describe the characteristics and typical location of	
		1.4.2H	tundra	Remembering, concrete experience
			Describe the characteristics arctic and high mountain	
		1.4.21	ice	Remembering, concrete experience
		1.4.2J	Describe the characteristics of oceans	Remembering, concrete experience
		1.4.2K	Define ecotone	Remembering, concrete experience
	A 41		Discuss how changes in ecotone dynamics may be	,
	V : W	1.4.2L	indicative in changes in the health of an ecosystem	Understanding, reflective observation
	, 2 nev	1	The second of th	enderstanding, remedit to easter tation
	X8/ 1/ 0 1/0		Charles Ask	
Module 11	Biogeography		Col Maryle	
.01	Analyze the effects of microclimates on organisms		Define microclimate was the ball to the ba	+
earning Objective 1.4.3	living in various biomes	1.4.3A	Define microclimate What Who was a second of the second of	Romamharing concrete avnariones
earning Objective 1.4.5	iving in various biornes	1.4.5A	Analyze the effects changle	Remembering, concrete experience
West,	P .	1 4 20	Analyze the effects changing microclimate may have	Analysis and a second s
		1.4.3B	on terrestrial organisms	Analyze, active experimentation
		1.4.3C	Discuss island biogeography	Understanding, reflective observation
			Discuss the role of changing microclimate on	
		1.4.3D	extinction	Understanding, reflective observation
Module 12	Ecosystem Services	1		

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	Discuss the concept of ecosystem services and how			
	ecosystems may provide certain benefits to			
Learning Objective 1.4.4	humans	1.4.4A	Define the term ecosystem services	Remembering, concrete experience
			Define regulating services, cultural services,	
		1.4.4B	provisioning services, and supportive services	Remembering, concrete experience
		1.4.4C	Discuss how wetlands provide ecosystem servicees	Understanding, reflective observation
		1.4.4D	Analyze the role of bees in agriculture	Analyze, active experimentation
	11. W		Analyze the concept of payments for ecosystem	W
	10,000	1.4.4E	services	Analyze, active experimentation
V0.			Q.7 Va.	, X
2/0	Evaluate how environmental change may affect		1,000	P
Learning Objective 1.4.5	ecosystems	1.4.5A	Define disturbance	Remembering, concrete experience
.00 .10	100° 1	1.4.5B	Discuss the role of fire in nature	
(1, 55), De	1	1.4.5C	Define invasive species	Remembering, concrete experience
7/00,00		1.4.5D	Discuss the wildland-urban interface	Understanding, reflective observation
0,1		1.4.5E	Define ecological succession	Remembering, concrete experience
			Analyze human land use patterns and the effects on	
		1.4.5F	terrestrial ecosystems	Analyze, active experimentation
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	Analyze the role of forests in the global carbon			
Learning Objective 1.4.6	cycle	1.4.6A	Evaluate where forests are located globally	Evaluating, abstract conceptualization
		1.4.6B	Define source and sink	Remembering, concrete experience
			Define net primary productivity and global net primary	
		1.4.6C	productivity	Remembering, concrete experience
		1.4.6D	Discuss the causes of global deforestation	Understanding, reflective observation
			Analyze the effects of deforestation on the global	
		1.4.6E	carbon cycle	Analyze, active experimentation