Unit 1:	The Scientific Process

		Skill	Objectives	Cognitive Domain and Learning Cycle Stage
Module 1:	Theories and Hypotheses	<u> </u>		
Learning Objective 1.1.1	Discuss the difference between hypothesis and theory	1.1.1A	Define hypothesis	Remembering, concrete experience
		1.1.1B	Define theory	Remembering, concrete experience
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Module 2:	The Scientific Method			,0° ,iv
	Discuss the importance of using a set method in			10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Learning Objective 1.1.2	scientific înquiry	1.1.2A	List the steps of the scientific method	Remembering, concrete experience
	01/0, X/20, / 0/A,	1.1.2B	Summarize the peer review process	Understanding, reflective observation
	WW over		(1 <sup>(1)</sup> ), (1)	V-070
O, A.M.	Design a simple experiment that follows the scientific		Use the steps of the scientific method to develop a	100
Learning Objective 1.1.3		1.1.3A	simple experiment	Applying, active experimentation
	V-			
***************************************	Analyze an article published in popular media for		Read a short peer-reviewed article with the steps of	
Learning Objective 1.1.4	scientific accuracy	1.1.4A	the scientific method in mind	Remembering, concrete experience
			Determine if the authors followed the scientific	
		1.1.4B	method	Evaluating, abstract conceptualization
Module 3:	Presenting Scientific Information			
••••••••••••	Discuss the fluidity of the scientific process and discuss			
	why the processes of scientific inquiry are not always		Describe why the scientific process does not stop with	
Learning Objective 1.2.1	linear	1.2.1A	the proving or disproving of a hypothesis	Understanding, reflective observation
			Describe how new technologies, new ideas influence	
		1.2.1B	how the scientific method functions	Understanding, reflective observation
		1.2.1C	Apply the scientific method to common issue	Applying, abstract conceptualization
	Explain the importance of peer review process and			
	funding sources in high quality research and solutions			4
Learning Objective 1.2.3	to environmental issues N	1.2.1A	Define peer review	Remembering, concrete experience
	· 70 - 1800)		Discuss what the National Science Foundation is and	12 Des. 5
	100 V 102	1.2.1B	the grant process	Understanding, reflective observation
	Cartina prima		Discuss the pros and cons of industry sponsored	Contraction
		1.2.1C	research	Understanding, reflective observation
	Why Khy Delly			(1/2/1/00)
	Analyze the issues in public understanding of the			Maria
	scientific process as it relates to current environmental		Discuss how scientific research is presented to the	Ore
Learning Objective 1.2.3	issues	1.2.3A	general public	Understanding, reflective observation
			Discuss biases in presentation of information based on	
		1.2.3B	economic and political concerns	Understanding, reflective observation
			Analyze the role of education in public understand of	
		1.2.3C	science and environmental issues	Analyze, active experimentation

		Evaluate the way environmental issues are presented	.A .W
~1. W	1.2.3D	relative to solutions	Mi 1/00
J. 2827)			1 1 0 1 X
Analyze the importance of continued review and re-		Evaluate the role of emrging technologies in solving	CAROLINA MON
Learning Objective 1.2.3 evaluation of environmental issues and solutions	1.2.3A	environmental issues	Evaluating, abstract conceptualization
۷۵ (۵۷۵) کی ۔		Analyze the public conception of "scientists are always	
(MacKIN De))		changing their mind", what drives this perception, and	(\$c,\'\O_{a_0}
(M, M)	1.2.3B	how to combat it	Analyze, active experimentation
0)/0		Propose a method of better communication of	V.
	1.2.3C	environmental issues and solutions	Create, active experiementation