OCEAN LITERACY FRAMEWORK

Developed in Ohio for all

		1. Earth: One big ocean, many features								2. Ocean shapes earth					3. Influence on weather & climate							4. Habitable		5. Ocean supports diversity of life & ecosystems									6. Interconnectedness						7. Ocean is unexplored					
Activity	**Grades**	a	b	c	d	e	f	g	h	a	b	c	d	e	a	b	c	d	e	f	g	a	b	a	b	c	d	e	f	g	h	i	a	b	c	d	e	f	g	a	b	c	d	e	f
Great Lakes Overview																																														
How big is a crowd?	6-10																																	*		*	*		*			*			
How well do you know the GL?	6-10																																	*		*	*		*			*			
Where should I relocate in the GL region?	6-10	*						*																									*	*	*			*	*						
200 Years of Change	4-8																																	*	*		* (-)	*	*				*		
Ojibway-Early Immigrants to the Great Lakes Region	4-8							*																										*	*										
Great Lakes, Great Careers	4-8																																		*	*	*		*			*		*	*	*
Life in the Water																																													
Don't Stop for Hitchhikers!	4-8							*																			*					*				*			*			*			
Where Have all the Lake Trout Gone?	6-10																										*									*			*			*			
Who can harvest a walleye?	6-10																		*								*		*	*		*			*				*				*		
What are the characteristics of some GL fish?	6-10																								* (-)		*																		
Habitats																																													
What is the ecological role of an estuary?	6-10							*																			*	*	*		*	*				*	*			*	*					
Seeing Purple: A Population Explosion	4-8																										*					*							*			*			
Hydropoly: A Decision-Making Game	4-8											* (-)																						*	*		*		*			*			
Wetland in a Pan	4-8																																												
Climate & Weather																																													
How do the Great Lakes Modify the Growing Season	6-10														*																			*												
Snowmaking- Great Lakes Style	6-10														*																			*						*						
How does the temperature of the GL change over time?	6-10																			*																						*				
Great Lakes Triangle set of 3 activities.	6-10																																												*
What happens to heat energy reaching the Great Lakes?	6-10														*	*				*																										
Hydrology																																													
Your Great Lake	4-8					*																																							
More than Just a Lake	4-8																																												
How does stratification affect water quality?	6-10																																												
Making Great (Lakes) Connections	4-8							*																																					
Water Quantity	4-8					*																																							
Coastal Processes																																													
How did rocks and rivers shape the Great Lakes?	6-10				*						*	*	*																																
What evidence of glaciation exists in the GL?	6-10										*	*	*																																
How fast can a shoreline change? How much land is lost?	6-10				*						*		*												*						*		*											
Indoor Dunes	4-10																																												
Issues																									*			*							*			*			*			
Rival for Survival	4-8							*																		*		*					*		*			*			*			
Beach Mysteries	4-10							*																	*			*						*					*					
Exotic Puzzle - Title: What are the Characteristics of the Great Lakes Exotic Species?	6-8							*																	*			*						*					*			*		
Invader Species of the Great Lakes (From GLEP)	4-8							*																	*			*						*					*					
Where do the toxins go [internal, external]	6-10																			*	*																							*	
Is the globe warming? Is there evidence in the Great Lakes region?	6-10																								*			*						*					*					
Which Fish Can We Eat?	6-10							*	*																									*	*	*		*		*		*			
Whose Water?	6-10				*						*	*	*																																

Note: The symbol (-) indicates that the principle is present in an activity, but not emphasized.