

CONTENT STANDARD	PROJECT OCEANOLOGY – LIFE SCIENCE CURRICULUM																				
	ADAPTATIONS	ALGAE PRESSING	BLUEFISHING STUDY	CAPTURE/RECAPTURE	CHLOROPHYLL ANALYSIS	CLASSIFICATION	COLIFORM BACTERIA	CRAB HABITAT STUDY	DISSECTIONS	DIVING ADAPTATIONS	FISH RESPIRATION	GULL ROOKERY STUDY	INFAUNA ANALYSIS	LIGHT/DARK BOTTLES	LOBSTER POPULATIONS	NEAR SHORE FISH POP	OSMO-REGULATION	PINNIPED LAB	PLANKTON	SEAL POPULATIONS	URCHIN EMBRYOLOGY
Scientific Inquiry	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Scientific Literacy	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Scientific Numeracy	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
K.1 – Objects can be observed and described	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
K.2 – Different living things inhabit Earth	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
K. 3 – Weather changes																					
K.4 – There are natural & man-made objects																					
1.1 – The Sun moves across sky daily																					
1.2 – Living things meet their needs	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1.3 – Organisms change in form & behavior	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
1.4 – Use of standard measuring units			X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X
2.1 – Solids, liquids, gases																					
2.2 – Plants change forms																					
2.3 – Earth materials vary by properties																					
2.4 – Human nutrition			X												X	X				X	

CONTENT STANDARD	PROJECT OCEANOLOGY – PHYSICAL SCIENCE CURRICULUM																
	COLOR/CLARITY OF WATER	CURRENTS	LAYERED OCEAN	LIGHT	LIGHTHOUSE TECHNOLOGY	NAVIGATION & METEOROLOGY	NUTRIENT ANALYSIS	POROSITY & PERMEABILITY	PROPERTIES OF WATER	SEDIMENT ANALYSIS	SUBMARINES	THERMAL POLLUTION	TITRATIONS	TOPOGRAPHY	WASTE WATER TREATMENT	WATER CHEMISTRY	WAVE FORMATIONS
3.1 – Materials can be identified using tests	X		X						X	X	X						
3.2 – Organisms need specific environments	X																
3.3 – Earth materials differ in properties	X							X		X							
3.4 – Earth provides limited resources																	
4.1 – Position & Motion of objects can be changed											X						
4.2 – Organisms depend on environment to live	X	X	X	X		X	X			X		X		X		X	
4.3 – Water has major role in shaping Earth	X	X	X			X	X	X	X	X		X		X	X		X
4.4 – Energy can be transferred/transformed																	
5.1 – Sound & Light are forms of energy			X	X	X					X							X
5.2 – Responding to environment is critical				X												X	
5.3 – Motion of solar system is predictable																	
5.4 – Humans build & use technology	X			X	X						X	X		X	X		X

PROJECT OCEANOLOGY – MULTIDISCIPLINARY SCIENCE CURRICULUM

CONTENT STANDARD	PROJECT OCEANOLOGY – MULTIDISCIPLINARY SCIENCE CURRICULUM																
	BARRIER BEACH	COMPUTER DATA ANALYSIS	DREDGE DUMP SITE STUDY	FISH PRINTING	INTRO TO OCEANOGRAPHY	LAND & RESOURCES USE	MARSH HABITATS	OVERVIEW OF BLUFF POINT	ROCKY INTERTIDAL	SEAFOOD	WATERSHEDS						
Scientific Inquiry	X	X	X	X	X	X	X	X	X	X	X						
Scientific Literacy	X	X	X	X	X	X	X	X	X	X	X						
Scientific Numeracy	X	X	X	X	X	X	X	X	X	X	X						
K.1 – Objects can be observed and described	X	*	X	X	X		X	X	X	X							
K.2 – Different living things inhabit Earth	X	*	X	X	X		X	X	X	X							
K. 3 – Weather changes		*			X												
K.4 – There are natural & man-made objects		*			X												
1.1 – The Sun moves across sky daily		*			X												
1.2 – Living things meet their needs	X	*	X	X	X		X	X	X	X							
1.3 – Organisms change in form & behavior	X	*	X	X	X		X	X	X	X							
1.4 – Use of standard measuring units	X	*	X	X	X		X	X	X								
2.1 – Solids, liquids, gases		*			X												
2.2 – Plants change forms	X	*					X										
2.3 – Earth materials vary by properties	X	*	X		X			X									
2.4 – Human nutrition		*			X					X							

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	BARRIER BEACH	COMPUTER DATA ANALYSIS	DREDGE DUMP SITE STUDY	FISH PRINTING	INTRO TO OCEANOGRAPHY	LAND & RESOURCES USE	MARSH HABITATS	OVERVIEW OF BLUFF POINT	ROCKY INTERTIDAL	SEAFOOD	WATERSHEDS						
3.1 – Materials can be identified using tests		*	X		X			X									
3.2 – Organisms need specific environments	X	*	X		X		X	X	X								
3.3 – Earth materials differ in properties	X	*	X		X			X									
3.4 – Earth provides limited resources		*	X		X			X		X							
4.1 – Position & Motion of objects can be changed		*			X												
4.2 – Organisms depend on environment to live	X	*	X	X	X	X	X	X	X		X						
4.3 – Water has major role in shaping Earth	X	*			X	X	X	X	X		X						
4.4 – Energy can be transferred/transformed		*															
5.1 – Sound & Light are forms of energy		*			X												
5.2 – Responding to environment is critical	X	*	X	X	X		X	X	X								
5.3 – Motion of solar system is predictable		*			X												
5.4 – Humans build & use technology		*	X		X	X				X							