



## Colusa County 4-H *Marine Biology & Oceanography*Proficiency Program



LEVEL II – PRODUCER

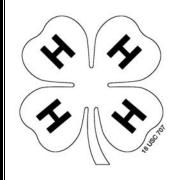
NAME:			
CLUB:			
<b>PROJECT:</b>			

1.		n ways we can help keep our oceans, bea	ches, rivers and land as close to n	atural as
	possible.			
	1.			
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2.	Explain the	importance of estuaries to marine life.		
2	NT 1.1		1 1: 1 4 1 1	
3.		escribe four dangerous marine animals a		
	2			
	2			
	4.			
	т	· · · · · · · · · · · · · · · · · · ·		
4.	Assemble a	beach safety kit.		
•	1 100 0111010 10	outer survey man		
	_	Project leader's signature	date	
		· ·		
5.	Visit an esta	ablished operation or expert in the field (s	such as a commercial fishing vess	el, cannery,
	biologist, et	c.) and learn what they do and how they	do it.	
	What I did.	•		
	-	D		
		Project leader's signature	date	

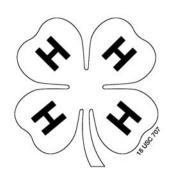
	r local news media, identify a policy issue rece to another person.	lated to your project and ex	plain its
What I di	d:		
	Project leader's signature	date	
Explain El	Nino and describe how it affects the seafood	l industry.	
	Project leader's signature	date	
Participate What I di	e in a project related clean-up activity.		
	Project leader's signature	date	
	auses of boating accidents and explain how t	<u>*</u>	
2			
4.			
5			
l. Explain up	owelling and its effect on climate and marine	life.	

1	<u>Zooplankton</u>		
2 3			
	e a collage of photographs or draway it at a local fair, county 4-H ev		of the marine environment and
	Project leader's si	gnature da	<u>te</u>
-	are one food dish from fresh fish	and one food dish from marir	-
	Project leader's s	gnature da	<u>te</u>
2. 3. 4. 5.	ify and describe three different tyesting gear. Explain which vesse This vessel	pes of fishing vessels and the luses which gear to harvest west week uses this gear	ree different types of fish which fish.  To catch this fish
17. Ident	ify three types of ropes and five where/how each might be used.  Types of Ropes	knots used in the industry. Co	-
1. 2. 3.	Types of Knots	<u>Strengths</u>	<u>Use</u>

18. Determine the age of three fish samples by collecting and analyzing their scales.  1				
3	Project leader's			
Yot	ı have complete		ions! of the Marine Biology & ency Program.	
Name			Age	
Club Project				
Project Leade	er's Printed Name		Signature	
County Coord Date	dinator's Printed	Name	Signature	



## Certificate of Achievement



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I hic	certifies	that
T 1119	CCITITICS	unat

has completed Level II of the Marine Biology & Oceanography Pro	oficiency
Program in the Colusa County 4-H Youth Development Progr	am.

Project Leader's Signature	Date
County Coordinator's Signature	 Date

MAKING THE BEST BETTER!! CA