



Nevada County 4-H *Marine Biology & Oceanography* Proficiency Program



LEVEL IV – LEADER

NAME: _____

CLUB: _____

PROJECT: _____

PRIMARY MEMBERS ARE NOT ELIBIGLE TO PARTICIPATE IN PROFICIENCY PROGRAMS.

1. Explore and sample one recreational use of the marine land such as sailing, scuba diving, sand castle building, wind surfing, boating, fishing, etc.

What I did: _____

Project leader's signature *date*

2. Select one species of marine life such as whale, shark, crab, etc. Name and describe ten varieties of that species and describe habitat, eating habits, migratory habits and reproductive habits of the species. Attach the list.

Project leader's signature *date*

3. Serve as a Junior or Teen leader in this project for one year.

Project leader's signature *date*

4. Assist young members in designing and constructing needed equipment.

Project leader's signature *date*

5. Prepare teaching materials for use at a project meeting.

Project leader's signature *date*

6. Develop and put on a demonstration or judging event or train a junior team for an event.

What I did: _____

Project leader's signature *date*

7. Speak on a project-based subject before an organization other than your 4-H group.

What I did: _____

Project leader's signature *date*

8. Assist younger members in actually learning a specific topic in the project.

What I did: _____

Project leader's signature *date*

9. Develop your own special project related activity. Chart your progress, plan the activities, analyze successes and problems, and report on findings.

What I did: _____

Project leader's signature *date*

10. Organize or participate in a public forum discussion/debate on a local, state, national or global issue related to your project.

What I did: _____

Project leader's signature *date*

11. Assist a local organization with a marine research project.

What I did: _____

Project leader's signature *date*

12. Report on the results of a demonstration comparing measurable difference in some aspect of your project.

What I did: _____

Project leader's signature *date*



13. Prepare a paper of 300 words or more on one of the following topics:

- _____ Commercial markets and methods of marketing
- _____ Global fishing policies and problems
- _____ The effects of temperature and light on marine organisms
- _____ Ocean currents
- _____ Marine mammals
- _____ Aquaculture
- _____ History of the whaling industry
- _____ Endangered marine species
- _____ Wetland species
- _____ Local marine land pollution
- _____ Other _____

Project leader's signature

date

14. Prepare a speech or illustrated talk to orally summarize your findings and present at a club, project meeting or other educational event.

What I did: _____

Project leader's signature

date

Congratulations!

You have completed Level IV of the Marine Biology & Oceanography Proficiency Program.

Name _____ Age _____

Club _____

Project _____

Project Leader's _____

Printed Name Signature

Date _____

County Coordinator's _____

Printed Name Signature

Date _____