

# NEVADA COUNTY 4-H PROFICIENCY PROGRAM

## *Marine Biology & Oceanography - Overview*

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The **4-H Marine Biology and Oceanography program** helps you learn what you need to know about your 4-H Marine Biology and Oceanography project. Through this project you will learn the basic concepts of oceanography – dealing with tides and current, ocean biology, ocean food webs and transfer of energy. You will explore the identity of marine plants and animals and their habits. You will practice principles for beach and water safety.

There are many resources to help you learn more about your project:

- The **4-H Publications Catalog** lists a variety of project materials and resources recommended for use in your project.
- The **4-H Educational Resources and Lending Library** at your county 4-H office includes other books, videos and reference materials that can be checked out by members and leaders.
- Local junior college and universities may offer classes in marine biology or oceanography and experts who may be able to come speak to your group. Don't hesitate to visit or telephone them for more information.

There are four levels in the Project Proficiency Program. You may choose how many levels you wish to complete:

- **Level I – “Explorer”**, you begin to learn about many different aspects of Marine Biology and Oceanography.
- **Level II – “Producer”**, you learn more about marine life, ecosystems and the ocean..
- **Level III – “Consumer”**, you become experienced in many aspects of Marine Biology and Oceanography.
- **Level IV – “Leader”**, allows you to show your own leadership potential.

As you work through the Marine Biology and Oceanography proficiency program, have your leader initial and date each skill item when you have completed it. When you have finished all items in a proficiency level, have your leader and county coordinator sign the Certificate of Achievement and order a medal for you from the 4-H office.

