



## **Undersea Voyager Application Instructions** - Youth Ambassador Student Competition -

**APPLICATION DEADLINE: MONDAY, SEPTEMBER 6, 2010 - 5 P.M.**

The Undersea Voyager Project (UVP) ([www.underseavoyagerproject.org](http://www.underseavoyagerproject.org)) is an exciting expedition that is exploring the depths of the world's oceans. During October of 2010, UVP is scheduled to explore the watery depths around Catalina Island. The expedition team will be using research submarines, remotely operated vehicles (ROV's) and the latest in sonar technologies to assess the marine ecology around the Island down to 900 feet. The team will also be searching for deep-sea creatures, undersea formations and unexplored shipwrecks.

There is an opportunity for as many as 8 students to join the team for part of this deep sea mission by proposing their own research project. Youth who are selected will learn from leading scientists, train with experienced professionals and participate in several facets of this multi-disciplinary "citizen science" expedition. This includes a chance to spend time deep underwater in a research submarine!

The primary mission of the expedition is to:

- Support the field work of leading scientists
- Actively involve "Citizen Scientists" and
- Promote Science, Technology, Math and Engineering for students

**To be considered in this competition, students must submit:**

- 1) A completed UVP Catalina Project Application and Permission form (following).
- 2) Support Letter from Parent/Legal Guardian giving permission to participate, and to take necessary time from school as required by the project.
- 3) Support Letter from teacher or other school official stating why applicant would be an ideal candidate for this opportunity. The letter should also verify permission to participate and authorize necessary time from school as required by the project.

**Students will need permission to be absent from the classroom for a full week in October in order to receive training and participate in the expedition, and will need the written support of a teacher, principal, or other representative of their school, as well as from a parent.**

- 4) **Submit an essay.** Three-page maximum, double-spaced. Include the following components
  - a) Your statement of your primary area of interest, choosing from:  
Ocean Exploration, Marine Science, Environmental Preservation, Other Related Science (include rationale for why this is a good fit)
  - b) Your choice of the discipline(s) which you hope to focus on:  
Physics, Chemistry, Biology, Mathematics, Engineering, Environmental Science, Other: Include rationale for why this is a good fit
  - c) A complete project proposal, detailing:
    - I. Specifics about the issue you hope to explore/the hypothesis you want to test
    - II. Detail the steps you'll take to gather information and the techniques you hope to use to make your discoveries and to reach a scientific conclusion. In addition to your ingenuity and your plan.
    - III. Your plan to take advantage of the resources available to you during the expedition as you conduct research or pursue scientific discovery. The resources you'll have available include:

- **The submarine Antipodes – Operates at depths of up to 900 feet capable of holding four passengers and the pilot**
- **Remotely operated Vehicles (ROV) capable of exploring underwater habitats**
- **Sonar technology**
- **Experienced and knowledgeable marine and environmental scientists**
- **Logistical coordinators to assist in organizing and loading equipment**
- **Surface support vessels**

d) A detailed description of how you'll share what you experience and learn with the public or a specified target audience.

### **Judging Criteria**

Entries will be judged on scientific merit, creative approach, best use of available resources and the viability of completing the project within the available five-day timeframe.

There will be a limit of two Youth Ambassadors per week for a total of 8 students able to participate in this deep ocean adventure. Two of the ambassadors will be residents of Catalina Island. UVP and OceanGate expedition leaders are responsible for all aspects of the mission and are responsible for the final selection of team members. Their selections will be considered final.

### **Special requirements**

Those prone to anxiety attacks, claustrophobia, vertigo, etc... may have significant challenges in the submarine environment. Please consider your comfort level in this type of environment prior to applying. Students must commit to participate for a minimum of 1 week (5 days) and create a PowerPoint Presentation to be delivered at least four times in the 12 months following the expedition. Successful candidates will work with the team to set a specific schedule.

- High school students (minimum of 15 years of age) may apply
- Strong swimming skills a plus
- Mechanical or engineering aptitude a plus, but not required
- Competitors should possess a demonstrable interest in ocean exploration, marine science, and/or environmental preservation.

### **To Submit Your Application**

1. Scan and email completed materials to [youthcontest@catalinaconservancy.org](mailto:youthcontest@catalinaconservancy.org) (preferred method)
2. If scanning is not a viable option, fax your completed materials to 310.510.2594.

**NOTE: You should receive an email verification that your application has been received within three days. If you do not receive an email verification within the allotted time please email an inquiry to [youthcontest@catalinaconservancy.org](mailto:youthcontest@catalinaconservancy.org) to verify that we have received your materials.**

**(Continue on to Application/Permission form)**



Chamber of Commerce & Visitors Bureau

CATALINA ISLAND CONSERVANCY

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### Undersea Voyager Project Application and Permission Form

- Fill out the application completely
- The form is not valid unless signed by applicant and parent/legal guardian

|   |   |
|---|---|
| Participant Name  | Parent/Legal Guardian's Name  |
| Date of Birth   |   |
| ( ) ( )   | ( ) ( )   |
| Home Phone  | Work Phone  |
| Address   | Address   |
| City, ST ZIP Code   | City, ST ZIP Code   |
| Email address (required - PRINT)                              | Name of student to participate in the Undersea Voyager Project        |
| Height / Weight   | X   |
|   | Signature of Parent or Legal Guardian Authorizing Youth Participation |
| Special Health Considerations / Medications (Please list all) |   |
| Primary Emergency Contact                                     |   |
| ( ) ( )   | ( ) ( )   |
| Home Phone  | Work Phone  |
| Address   |   |
| City, ST ZIP Code   | City, ST ZIP Code   |

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