



## Ocean Guardian Classroom Presentation

Please begin the Ocean Guardian Diver lesson with a classroom presentation that teaches students about their connection to the ocean, national marine sanctuaries, and how they can become ocean guardians. This will include a brainstorming session where students will write their own Ocean Guardian Pledge. Please see the lesson plan for additional information. You have two options for this classroom section:

- Show students the “Becoming and Ocean Guardian” video. This video is 6:42 minutes. This option is more appropriate if you have less time or students with shorter attention spans. You can access the video here:  
<https://www.youtube.com/watch?v=daucPi8S8FQ>

**OR**

- Present the Ocean Guardian Prezi presentation to students and read the accompanying script below. This presentation includes the “Becoming and Ocean Guardian” video and will take about 15-20 minutes. It is appropriate if you would like to provide a more in depth introduction and your students have a longer attention span. You can access the Prezi here:  
[http://prezi.com/xngrbxjemfkn/?utm\\_campaign=share&utm\\_medium=copy&rc=ex0share](http://prezi.com/xngrbxjemfkn/?utm_campaign=share&utm_medium=copy&rc=ex0share)

### **Ocean Guardian Presentation Script**

*We recommend that the italicized text be presented to students as written.* Additional facts and information to consider is inserted in regular text and you may chose if you would like to include these in your presentation.

1. *Earth is blue.*
2. *71%, or 2/3, of our planet is covered by our one large ocean.*
  - a. This slide begins to introduce students to the Ocean Literacy principle 1: “The Earth has one big ocean with many features.”
3. *What is under the surface of the ocean?*
4. Watch video: “Earth Is Blue.” *Under the surface of our ocean, we find an incredible diversity of life. Coral reefs that are the rainforests of our ocean. Shipwrecks that tell the stories of our past. What do you think you would find if you went exploring under the waves?*
  - a. This is a time to get students excited about the ocean and all the amazing things that can be found there. Try to ask them questions to find out why they are passionate about the ocean.
5. *Ocean creatures live together in ecosystems.*
  - a. This slide introduces the Ocean Literacy principle 5: “The ocean supports a great diversity of life and ecosystems.”
6. *An ecosystem is made up of the plants and animals that are found it one place. These plants and animals depend on each other to survive.*
7. *Kelp forests can be seen on much of the west coast of the United States of America. They are found in many of our sanctuaries from Channel Islands National Marine Sanctuary (in California) up to Olympic Coast National Marine Sanctuary (in Washington). Kelp is a type of large brown algae that lives in cool shallow water close to the shore. They grow closely together*

- just like trees grow in a forest on land. These underwater towers of kelp help many animals find food and shelter.*
8. *A coral reef is made up of tiny animals, called coral polyps, which grow closely together with a hard outer shell and form coral reefs. Many different animals and plants live in coral reefs—they are some of the most diverse ecosystems in the world! One of every four marine creatures lives in a coral reef at some point in its life. NOAA’s Office of National Marine Sanctuaries protects coral reefs in Florida Keys National Marine Sanctuary, National Marine Sanctuary of American Samoa, Flower Garden Banks National Marine Sanctuary, Cordell Bank National Marine Sanctuary, and Papahānaumokuākea Marine National Monument.*
  9. *A rocky shore is an area on the shoreline with rocky ledges and pools of seawater, large rocks, and pebbles. Hardy plants and animals live in this ecosystem. Each species is specially adapted to deal with the harsh surrounding environment, which includes strong waves, changes in tides, sun exposure, etc.*
  10. *We all live in a county, city or town. No matter where you live, you are connected to the ocean through your watershed.*
  11. *What is a watershed? An area of land where all the water that is under it, or drains off it, collects into the same place (like a river or the ocean). Your watershed is everything that you see when you walk outside and it leads to the ocean.*
  12. Watch video: “What is a watershed?”
  13. *Our blue planet is special. Humans, animals and plants depend on the ocean to survive.*
    - a. This slide introduces the Ocean Literacy principle 6: “The ocean and humans are inextricably connected.”
  14. *The ocean is still largely unexplored—there is so much left to discover!*
    - a. This slide introduces the Ocean Literacy principle 7: “The ocean is largely unexplored.”
  15. *The National Oceanic and Atmospheric Administration, NOAA for short, is a part of the government that conducts science to learn more about the planet we live on. NOAA studies everything from the surface of the sun to the depths of the ocean floor and works to help people learn about the changing environment around them. The Office of National Marine Sanctuaries is a part of NOAA that protects special places, like underwater parks, in the ocean and Great Lakes so that we can all enjoy and explore the wonders of the sea. Sanctuaries cover more than 600,000 square miles of ocean and Great Lakes waters (that is more than two times the size of Texas).*
    - a. For more information on NOAA Office of National Marine Sanctuaries visit:  
<http://sanctuaries.noaa.gov/>
  16. *Within these protected waters, majestic whales feed and migrate, coral reefs flourish, and shipwrecks reveal secrets of our maritime history. Sanctuaries are places where scientists explore and discover. They are also places where you can explore and enjoy the ocean.*
  17. *You have the power to protect the ocean. Your local watershed leads to the ocean. By taking care of your local environment, you are helping to keep the ocean healthy. Share what you learn about the ocean, and how to protect it, with your friends and family and create a community of ocean guardians.*
  18. Watch video: “Becoming an Ocean Guardian”

**After completing the classroom presentation, please conduct the classroom activities as outlined in the Ocean Guardian Diver lesson plan.**