Save Our Seas: NAMEPA's Parent Survival Series - Week 7

When I was growing up, Art Linkletter had a show called "Kids Say the Darndest Things" with Art Linkletter (yes, I am dating myself). The program was remarkable in an age when children were to be seen and not heard. The fact that a grown up (Art Linkletter) cared about what a child said seemed fantastical and made me wish desperately that I, too, could be heard in that way.

Children today are more fortunate in how they are regarded, but even so we can miss some real gems!! Listen to the words they use or make up themselves! (One of my son's favorite words was "misappear". I never corrected him as he wasn't wrong). As you work with your learners, try to capture some of the work they are doing in a video or in a photo and send it to us. We would love to feature their work—in any medium they choose to use! Please share with us the "darndest things" THEY do and say!

Have a good week!

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North American Marine Environment Protection Association

NAMEPA

Parent Survival Series

Lesson Plan Week 7

Ocean Literacy Principle 7 – *The ocean is largely unexplored.*

Specific Learning Outcome

After Week 7, your child will have now gone through the ocean literacy principles. They have learned, with your help, the fundamentals to understanding the marine environment. We welcome them to conclude our ocean literacy lesson with a submission for our annual K-12 art contest. This year's theme, "Sustainable Shipping for a Sustainable Planet" incorporates the ways humans interact with the ocean and ways to protect it. Visit www.namepa.net/art-contest to learn more and submit your child's artwork.

Day 1:

Read to your child:

Throughout history people have been curious about the oceans and what lies beneath, however the ocean is still the largest unexplored place on Earth with less than 5% of it has been explored! Part of the reason is our lungs are not designed to breathe water or withstand the pressure that increases with ocean depth nor are we capable of handling the extreme temperatures at the bottom of the ocean. With the help of new technologies, sensors and tools we can dive deeper and expand our ability to explore the ocean ecosystem and discover new species. Submersibles, both manned and unmanned, are just one of the many new technologies capable of withstanding the challenges of the deep. Most of the submersibles have video cameras to record life in the deep, manipulative arms to collect samples, lights to illuminate the dark and various sensor to measure salinity, water temperature, dissolved oxygen and more!

Ask your child what they know about:

1) **Pressure in ocean**
   At any depth, the weight of the water above pushes down on objects. The deeper you go the more pressure is exerted on you.

2) **Hydrodynamic**
   Designed to be able to move through water quickly and efficiently without much resistance

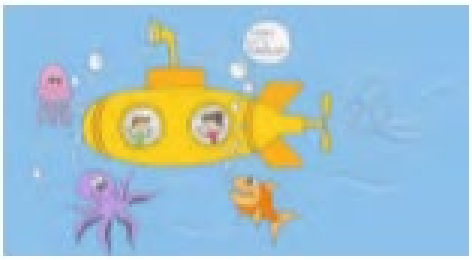
3) **Remotely Operated Vehicle (ROV)**
   Vehicle used by scientists to study the ocean. An ROV is typically attached by a cable to a boat floating on the surface and is controlled from there.

Activity: Build Your Own Underwater Exploration Vehicle

Principle 7: *The ocean is largely unexplored*

Time to get creative! You're going to design and build an underwater exploration vehicle using recycled materials! Send us images of your designs and we'll share your creativity on our social media! #SaveOurSeas

Visit http://www.NAMEPA.net/education to build your own exploration vehicle! In our *Educator's Guide to the Marine Environment,* Lesson 8: Build Your Own Underwater Exploration Vehicle.



Day 2:

Read to your child:

There are over one hundred different types of ships and exploration vehicles and building them requires input from many different experts such as biologists, chemists, engineers, geologists, illustrators and many more. Ocean exploration is truly a group effort! Can you name all the people needed to build a ship? Do you know how many different types of ships there are?

Visit http://www.NAMEPA.net/educationto learn all about the different types of ships! In our *Marine Industry Learning Guide,* Lesson 2: Types of Ships

Activity: K-12 Annual Art Calendar Contest

Have you submitted your original creative poster illustrating actions the shipping industry is undertaking for the future of our planet?! The NAMEPA annual art calendar contest is open and accepting submissions! Kids (K-12) are challenged to come up with a creative image(s) depicting ***sustainable actions the shipping industry is undertaking or what it can do for the sustainable future of our planet***. 12 finalists (6 from each age group) will be selected and 2 grand prize winners will be awarded. Don't wait! The contest is open through May 31, 2020

For complete "Sustainable Shipping for a Sustainable Future" art contest guidelines, submission instructions, prize details, and more information about the maritime shipping industry, visit www.namepa.net/art-contest.

If you have additional questions about the contest, please contact contesthelp@namepa.net