



SeaVibe Science & Art Enrichment Program

An experiential education program that opens classroom doors to community action projects and dynamic art exhibits that communicate solutions for healthier water sources

EDUCATIONAL APPROACH & BENEFITS

The SeaVibe Science & Art Enrichment Program is an interdisciplinary approach to education that communicates scientific topics through the arts. Participants conduct hands-on water quality research that incorporates science, math, physics, ecology, social studies, and language arts. They create art exhibits including murals, photography, and music to translate scientific findings for public understanding. Exhibits highlight connections between a healthy environment and economy and solutions that lead to positive improvements.

Students, families, and community members are invited to participate in real-life scientific research that emphasizes short and long-term environmental planning, academic mentoring, and volunteering as stepping stones to career opportunities. The Program prepares students for the 21st century job market by developing analytic ability, critical thinking, teamwork skills and professional etiquette. Students develop skills for understanding and communicating the complexities of the environment, including the importance of protecting natural resources, biodiversity, watersheds, and marine ecosystems that sustain life on Earth.

WHY IS THIS IMPORTANT? Over 80% of the world's population lives along coastal areas. Waterways provide food, air, recreation, transportation, and many other economic and ecological benefits. This Program educates students about the importance of a healthy watershed, global impacts of local water quality issues, and how smart choices on land improve the health of Earth's water and all life that depends on it.

A positive relationship with nature starts from experiencing natural wonders first-hand. Love, admiration, and respect for land and water come from understanding our interdependency to nature. When people understand and are connected to their environment, they are more likely to make choices that protect and restore it. Experiential education creates knowledgeable, passionate stewards and increases the capacity for environmental problem solving that takes into account a holistic view of the cultural and economic value of natural resources.

OUR GOAL is to engage students, community members, and professionals to increase understanding about water issues from the mountains to the sea, using an interdisciplinary scientific and artistic approach to drive improvements. Connecting people to real-life projects creates a sense of belonging to the community, better understanding of nature's true value, and a stronger desire to act responsibly to protect natural resources for future generations.

COURSE OBJECTIVES:

- ✓ Define watershed and how it impacts an ecosystem
- ✓ Identify and discuss how choices on land impact watersheds and ecosystems
- ✓ Identify local water quality issues and concerns
- ✓ Train participants to conduct bacteriological and water chemistry monitoring
- ✓ Collect, analyze, and report scientific data
- ✓ Identify connections between local watersheds and global ecosystems
- ✓ Use creative expression to raise awareness and communicate solutions
- ✓ Experience the magic in and around our waterways!

CURRICULUM CONTENT:

- Week 1: Watershed and Ecosystem Impacts
- Week 2: Local Water Quality
- Week 3: Living Down Stream
- Week 4: Water Quality Art Assignment
- Week 5: Bacteriological and Water Chemistry Monitoring Training
- Week 6: Fieldwork: Water Quality Testing & Art Project
- Week 7: Fieldwork: Water Quality Testing & Art Project
- Week 8: Fieldwork: Water Quality Testing & Art Project
- Week 9: Global Connections & Art Exhibit

SeaVibe Foundation's MISSION is to increase educational and employment opportunities that strengthen the connection between people and nature... beyond our backyards, into communities, and across the globe. We are a 501(c)3 non-profit organization that translates science through the arts and empowers community leaders of all ages. Through project-based internships, outdoor education, and art exhibits, participants discover how collective conservation actions on land improve water quality in the rivers, lakes, wetlands, and ocean that we depend on for healthy lives.

*Courses are approximately 9 weeks long and modules build on each other. Starting January 18, 2017, classes meet 2 hours a week on **Wednesdays 9:30-11:30 am** or **Thurs 3:30-5:30pm (a third option TBD)** at **Onyx Cheer & Gymnastics, 14640 Cambridge Lane, Athens, AL 35613**. You will be required to collect water samples outside of class meeting time and must provide your own transportation to and from field sites. A 9-week session costs \$100 per student (\$11.11 per class). This program is primarily for high school and university students, with motivated 7th and 8th graders, families, and community members invited to participate.*

REGISTRATION & CONTACT:

Register at www.seavibe.org
For questions or more information contact:
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