

Angela Boynton Dixon

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EDUCATION

BLS CPR and Heartsaver CPR Instructor Certification, American Heart Assoc.	2015 to present
MS University of Texas, Arlington Master of Science, Biology with an emphasis in Physiology	August 1994
BS Auburn University Bachelor of Science, Marine Science	August 1991

PROFESSIONAL EXPERIENCE

Dauphin Island Sea Lab , Dauphin Island, AL Marine Educator , Discover Hall Programs	June 2021 to Present
St. Luke's Episcopal School , Mobile, AL Educator	August 2004 to August 2021
<ul style="list-style-type: none">• Science Department Chair, 2017 - 2021• Instructed AP biology, Anatomy and Physiology, Comparative Body Systems, Biomedical Foundations, Robotics, Middle School Science Camp Instructor, Summer Camp Science Instructor for Elementary Students, General Biology, Marine Science, Middle School Earth Science, 6th grade Math, 2009 – 2021• Curriculum Development for Biomedical Health Science program, 2009 through 2021. This was a four-year program developed by a team of educators which provided a series of science elective classes that introduced students to careers in medicine, provided job shadowing opportunities and culminated in a mentorship and in-depth study of each student's career of interest.• Coached St. Luke's Robotics Team 2009 – 2021, won awards at local and regional level.• Prekindergarten for 3-year-olds 2004 – 2009	
Dauphin Island Sea Lab , Dauphin Island, AL Marine Educator , Discover Hall Programs	June 1995 to August 2000
University of South Alabama , Dauphin Island, AL Research Technician , Principal Investigator: Dr. Lenard Aldes	September 1994 to May 1995
<ul style="list-style-type: none">• Assisted in laboratory experiments mapping the role of the rat brain in control of the tongue.	
Dauphin Island Sea Lab , Dauphin Island, AL Marine Technician , Marine Technical Methods Lab	Summer 1994
<ul style="list-style-type: none">• Prepped field equipment for research and teaching faculty.	
University of Texas, Arlington , Arlington, TX Teaching Assistant , Biology Department	August 1991 to May 1994
<ul style="list-style-type: none">• Taught laboratory classes for Animal Physiology, Human Anatomy and Physiology, Invertebrate Zoology, Biology, Microbiology. Assisted with summer science camps for 3rd through 8th grade students.	
Auburn University , Auburn, AL Teaching Assistant , Invertebrate Zoology, Lead Instructor: Dr. Debbie Folkerts	August 1990 to May 1991
<ul style="list-style-type: none">• Research Assistant, Osmoregulatory behavior in the coconut crab, <i>Birgus latro</i>. Principal Investigator: Dr. Raymond Henry.	

PROFESSIONAL TRAINING

The following are highlights from numerous years of over 1000 continuing education credits.

COVID-19 and other lethal new & emerging diseases: Where did they come from? How can we fight them?

- ♦ Pearson Virtual Workshop. Conducted by Joseph Levine. 1hr. March 2020.

AP Annual Conference Workshops

- ♦ Description: participated in 14.8 contact hours and 1.5 CEUs for attending sessions to analyze results from the 2018 exam, discuss instructional approaches in AP biology, investigate biomass, productivity and food webs, connect science practices to AP biology content, strand laboratory experiences in AP biology, data analysis for pre-ap biology classrooms with HHMI Biointeractive. July 2019

BLS CPR and Heartsaver Instructor Certification

- ♦ Summer 2015 to present
Participated in 40 hours of instruction and continuing education of over 30 hours.

B.E.S.T. Robotics training

- ♦ Attended Summer training for CAD design, 3D printing, CNC operation, competition training. Approximately 290 hrs total. Summer 2009 through Summer 2019.

Advance Placement Summer Institute Workshop for Biology

- ♦ APSI Summer workshop for AP Biology instruction, 40 contact hours, Woodward Academy, Atlanta, GA. Conducted by Pat Mote, June 2018

Exploring the Future: Attracting a new Generation to Mathematics and Science

- ♦ The University of Alabama at Huntsville Division of Continuing Education conducted an intense curriculum incorporating aerospace technology, recent findings from space exploration and innovative pedagogies for enhancing classroom teaching effectiveness to improve student understanding and retention. 4 CEUs, 40 hours. 2008.

37th Annual Teachers Conservation Workshop

- ♦ Alabama Forestry Association conducted workshop including Alabama Project Learning Tree training. 6 CEU. 40 hrs. 2007

GRANTS, AWARDS, and HONORS

National Life Changer of the Year Certificate of Excellence

- ♦ Awarded in recognition for exemplifying excellence, positive influence, and leadership. 2021.

Teacher of the Year, Jubilee BEST Robotics

- ♦ Teacher of the year, 2015.

Volunteer Experience

Share the Beach, Sea Turtle Monitoring Program

- ♦ Mark, monitor and record data for Share the Beach Dauphin Island through the Alabama Coastal Foundation. 2012 to present.

Internship, Mote Marine Laboratory, Sarasota, FL

- ♦ Intern for Chemical Fate and Effects, Sea Turtle Monitoring, and Fisheries Departments. Summer 1991

Clearwater Marine Science Center, Clearwater, FL

- ♦ Volunteered to clean aquaria, feed animals and give tours. 1985 to 1986.