



K-12 EDUCATION PROGRAMS

LUMCON inspires students through fostering and supporting collaboration, communication, problem solving, teamwork, and the use of technology.

LUMCON Marine Education Mission Statement

Our purpose is to enable the next generation of marine scientist and ocean literate citizen. We will reach this goal by providing meaningful and relevant place-based and skill-based experiences for all visitors, while aiming to have significant impacts on Louisiana's diverse citizenry including those populations underrepresented and underserved in marine science.

Providing people, especially students, access to marine science is a core value of LUMCON. At the foundation of the LUMCON Marine Education is the mission to inspire and have significant impacts on Louisiana's diverse citizenry.

Within K-12 Marine Education programs, LUMCON offers place-based experiences in four distinct areas:

- Field Trip Programs and School Visit Opportunities
- Summer Camps
- Mentorship Opportunities
- Teacher Professional Development

LUMCON educates an average of 4000-4800 students per year through our place-based programs at the DeFelice Marine Center. LUMCON provides K-12 students with opportunities to spend time in observation and active inquiry, focused on topics in Louisiana coastal and marine environments. Activities emphasize the scientific process, skill-building, processes controlling coastal development and change, teamwork, the value of the environment to Louisiana's natural resources, and threats to these resources from natural and anthropogenic factors.

The LUMCON Summer camp program amplifies experiential learning. At camp, students participate in activities that encourage skill-building, data-driven results, and evidence-based conclusions. Campers also learn how to work as part of a team, what life is like at a research institution, the fact that science does not operate in an anticipated timeframe, and that science is about finding the answers (not being given the answers). LUMCON strongly believes in the power of mentorship. For students that demonstrate a passion for science, dedication to their own future success, and a good work ethic, LUMCON provides opportunities for them to have access to other programs at the marine center.

Teacher Professional Development workshops allow the core values of the program to extend into classrooms. These events include a balance of field activities and discussions or lectures to introduce teachers to both Louisiana's coast and the LUMCON programs. They learn practical ways to incorporate coastal examples into science classrooms to help incorporate Louisiana-specific content into their classes.

