

SOARR, Inc.

SOARR, Inc began as part of the Hammond Park Flyers Club in 2015 in an effort to inspire young aviators and engineers through Fixed wing, rotary wing aircraft and drone instruction as well as model rocketry.

SOARR became a 501c-3 in 2018 which allowed its generous sponsors to continue support in providing STEM education throughout the North Shore youth programs.

SOARR has served over 4500 K-12 students with services listed below.

SOARR does not charge or accept compensation for any of its services to date, with exception of being the director of the Hammond Dept. of Recreation Summer AstroCamp in 2019 due to legal constraints set forth by the city HR Dept.

SeaPerch Underwater Robot Programs SOARR now offers: Through venues including NASA Stennis Space Center AstroCamp program, Jet Propulsion Laboratory.

Seaperch is a national program sponsored by the U S Dept. of Defense to forward educational opportunities to 6-12 grade students and encourage careers in design, engineering and operation of sub-sea unmanned and remotely operated vehicles including U S Navy and U S Oceanographic studies.

AMA Flight Instruction

The Academy of Model Aeronautics is a national organization which certifies, trains and insures model aviation programs, clubs and education.

Archery

NASP is the National Archery in Schools program promoting the sport in communities. SOARR is a qualified instructional partner, providing archery in summer camps to underserved youth.

La. Wildlife and Fisheries Instruction

Under LWF, SOARR provides training in Fish identification, invasive species, basic fishing skills and resource preservation. This includes Hammond Dept of Recreation and Zumarry Park Lake.

National Assoc of Rocketry

SOARR is a member of NAR, promoting model rocketry as part of its NASA outreach program, with students designing and building solid fuel model rockets (up to 6 feet in height) including ignition systems, use of altimeters and trigonometry in predicting flight trajectory and landing areas.

NASA AstroCamp and Assoc. Programs

NASA Dept of Education provides over 60 programs and activities pursuant to engineering, technology, aviation, aerospace, environmental responsibility, earth sciences and fun. These programs are developed in house by NASA engineers and educational specialist .

SOARR is an active ACCP for NASA , having over 120 hours of training and continuing education, most through Texas A&M University as well as BASA Stennis Space Center.

JPL Solar System Ambassador Program

The SSA program is administered by California Institute of Technology and NASA Jet Propulsion Laboratory providing education in astronomy, aerospace related robotics, Underwater ROV for future use on ICY celestial bodies such as Europa and Enceladus right here in our solar system.

Active in K-12 education providing books, Videos and materials to both formal and informal educators.

SOARR has been a member for 5 years with outreach programs to our community.

Astronomy

SOARR owns and operates 8 large aperture telescopes for public use. Partnering with BREC Highland Road Observatory to provide training and open viewing of the Cosmos, with upcoming events including the April 2024 total eclipse event.

Flight and Space Shuttle Simulators

SOARR provides RC flight training, a critical part of learning aerodynamics, flight systems and four principles of flight physics as well as Space Shuttle simulators in zero atmosphere/microgravity environments, and it's a blast to do !!

Armed Forces Recruit Support

SOARR actively promotes and assist in recruiting efforts with all armed forces here in Hammond. This relationship is mutually beneficial as having the support/resources is invaluable to SOARR's efforts in the community.

U S Coast Guard Auxilliary Recruiting

President and CEO of SOARR is an active member in USCG Aux as a educational specialist in Vessel Safety Inspection, Boating and Paddle Craft Safety, USCG Aviation Support Group and Public Relations, These programs extend into youth training in our very active waterway activities.

Northshore STEM Coalition/ LaSTEM La. Board of Regions

SOARR provides , through the District 9 Anministrator, Wendy Connaro, most of the above services to underserved communities, public schools, church organizations, public libraries and science based informal education providers across the northshore region from Baton Rouge to Slidell, la.

Air Force Aux/Civil Air Patrol

SOARR is a member of the Civil Air Patrol Aerospace Program. The Aerospace division supports a STEM Grant from U S D.O.D. providing formal and informal educators with materials and STEM kits, training, support and classroom assistance for K-12 to underserved communities.