



St. Johns County School District

Academy of Biotechnology and Medical Research



Florida is ranked as one of the top three most innovative states in the nation and is home to more than 46,000 cutting-edge life sciences establishments. Among those organizations are **400 biotech establishments**.¹ This industry is expected to continue to grow as anticipated spin-offs and other businesses cluster around the new, big bioscience research institutes. The Academy of Biotechnology and Medical Research is a STEM academy that is focused on the use of living organisms to solve problems and making useful products from biological systems. Students receive exciting hands-on training in the cutting-edge fields of medical research and biotechnology. A few topics include the connection between biotechnology and industry, genetic diversity, selection & adaptations, cell molecular structure and function, industry response to emerging pathogens, Bioethics, and CRISPR and PCR techniques. Students have the opportunity to earn industry certification credentials and to participate in dual-enrollment course work through St. Johns River State College and University of North Florida. Academy students are exposed to a multitude of educational and enrichment opportunities including project-based learning, field studies, guest speakers and summer internships.

Academy Partners: Mayo Clinic, Johnson & Johnson, Nemours Children’s Clinic, University of Florida, Anastasia Mosquito Control, University of North Florida, Florida State College Jacksonville, among others.

¹ www.enterprise-florida.com



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