



## APPLY TO ATTEND PONAGANSET HIGH SCHOOL

### Biomedical Science Pathway

**Ponaganset High School** offers a full array of academic and Advanced Placement courses with a deep commitment to developing the whole child. The school sits on 100+ acres and features cutting-edge facilities and equipment. We provide a collaborative, relevant and personalized education supported by 1:1 technology that purposefully prepares students for college and careers. Ponaganset is fully accredited by NEASC and is a member of the League of Innovative Schools.



#### PATHWAY COURSES:

- Principles of Biomedical Science\*
- Human Body Systems\*
- Medical Interventions\*
- Biomedical Innovation\*

\* These courses are affiliated with Project Lead The Way (PLTW), the leading provider of STEM education in the U.S.

#### OPTIONAL COURSES:

- Orientation to Medical Imaging and Patient Care Interventions\*\*
- Bioinformatics and Data Science Strategies
- AP Biology and/or Microbiology

\*\*College credit available

## Seeking Highly Motivated Students who Want to Pursue Their Interests and Passions

Are you interested in a high-quality academic education combined with a meaningful career pathway that provides each student a laptop to enhance learning?

**The Biomedical Science Pathway** allows students to investigate careers in the biomedical industry as they study the concepts of human medicine, physiology, genetics, microbiology and public health. Students engage in activities that emphasize course content in the context of real-world case situations, such as investigating the death of a fictional person.

**Students in this pathway** examine the structures and interactions of the human body systems. Students explore the prevention, diagnosis and treatment of various diseases, while collaborating with classmates to better understand and design solutions to offset the most pressing health challenges.

Apply to attend Ponaganset by visiting our website at [www.fg.k12.ri.us/apply](http://www.fg.k12.ri.us/apply). You may also email [admissions@fgschools.com](mailto:admissions@fgschools.com).

Tuition is provided by sending districts for accepted students. Transportation is also provided to students from Coventry, East Greenwich, Scituate, Warwick and West Warwick.

#### Cutting-Edge Equipment:

- Logger Pro
- Anatomy in Clay MANIKEN®
- Electronic Probeware
- DNA Analysis
- Digital Engineering/Imaging Lab

#### Major Projects/Activities:

- The "Mysterious Death of Anna Garcia" and produce an Evidence Board
- Relevant careers in the healthcare profession
- Skeletal, muscular and anatomical clay models (MANIKEN®)
- Data acquisition software to monitor body functions
- Dissection of cow eyes and knee joints, sheep brains and kidneys
- Design an Emergency Room and a medical innovation
- Complete a capstone project on a topic of interest to the student



Start here. Go big!® Apply online: [www.fg.k12.ri.us/apply](http://www.fg.k12.ri.us/apply)

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