



APPLY TO ATTEND PONAGANSET HIGH SCHOOL

Pre-Engineering 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:

- Intro to Engineering Design (Honors)*
- Principles of Engineering (Honors)*
- Digital Electronics (Honors)*
- Computer Science Principles (AP)*
- Engineering Design & Development (Honors)*

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

College Credit:

Available for 5 courses

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? Do you want the opportunity to earn college credit and/or industry certifications?

The Pre-Engineering Pathway promotes critical thinking, creativity, innovation and real-world problem-finding and solving skills through hands-on, project-based assignments that engage students on multiple levels. Students enrolled in this pathway have the chance to obtain credit at participating PLTW colleges and universities.

Students in this pathway begin with a foundational course, Introduction to Engineering Design, then move on to Principles of Engineering in their second year. Students can then choose between Digital Electronics or Computer Science Principles for year three, allowing them to cultivate an interest or explore a potential direction of career interest.

A Competitive FIRST Robotics Team (FRC), with more than 40 students and mentors from the private industry, is an integral part of this pathway. The FRC team participates in multi-day events around New England with the goal of participating in the FRC World Championships. The team has also been awarded two of FIRST's three most prestigious awards; the Rookie All-Star Award and the Engineering Inspiration Award.

Apply to attend Ponaganset by visiting our website at www.fg.k12.ri.us/apply. You may also email 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:

- Digital Engineering/Imaging Lab
- Z150 Rapid Prototype Printer
- Multiple 3D Printers
- Intelitek CNC Mill
- Intelitek CNC Lathe
- Forest Scientific Plasma Cutter
- Tensile Strength Tester
- Trotec Laser Engraver

Major Projects/Activities:

- EDD Capstone Project
- POE Tensile Strength
- Puzzle Cube Project
- Digital Logic Devices
- Renewable Insulation Project



Start here. Go big!® Apply online: www.fg.k12.ri.us/apply

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