CTE Approved Career Pathways at Middletown High School
Computer Science and Pre-Engineering in the Defense Industry

130 VALLEY ROAD, MIDDLETOWN, RHODE ISLAND  02842

Middletown High School has two RIDE approved Career Technical Education (CTE) pathways in Computer Science and Pre-Engineering. Both of the career pathways will provide learning experiences connected to the Defense Industry.

By participating in these two pathways students will build a solid 21st Century Skills foundation through:

- PLTW courses that are nationally renowned for their rigor and relevancy.
- Participation in newly renovated STEM facilities.
- Partnerships with industry professionals through our work with SENEDIA.
- Learning opportunities that include; job shadowing, internships and work-based learning.
- College credits and preferential admissions through agreements that PLTW and specific secondary education institutions have made together.
- Attainment of soft skills and industry certifications that insure that students are on paths to high growth, high wage careers.

Graduating seniors will have the RIDE Career Pathway Endorsement on their diplomas.

Middletown High School……..

Forward Thinking and Future Ready

Middletown Public Schools announces our partnership with SENEDIA!

Work-based learning experiences pair industry professionals with MHS students focused on:

- Design thinking
- Project Management
- Collaborative work environment

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Applications are available
www.mpsri.net/islanderssuccess

Application Deadline
February 15, 2019
Why should I pursue career pathways at Middletown High School?

- Rigorous coursework
- PLTW courses that are rigorous and nationally known
- Opportunity to take OSHA10 and Essential Skills course
- Work-based learning experiences with Defense Industry Partners
- 17 AP courses in the Program of Studies
- Virtual High School course offerings
- Anchor Academy (Freshman transition into HS)
- Extracurricular opportunities
- High caliber athletic program
- Access to dual and concurrent enrollment opportunities
- Pathway Endorsement on Graduation Diploma

**PLTW Pathways-Coursework**

<table>
<thead>
<tr>
<th>Computer Science/Cybersecurity</th>
<th>Pre-Engineering</th>
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<tbody>
<tr>
<td>Computer Science Essentials (CSE)</td>
<td>Introduction to Engineering Design (IED)</td>
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<tr>
<td>Computer Science Principles (CSP)</td>
<td>Computer Integrated Manufacturing (CIM)</td>
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<td></td>
<td>or Civil Engineering &amp; Architecture (CEA)</td>
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<tr>
<td>Computer Science A (CSA)</td>
<td>Principles of Engineering (POE)</td>
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<tr>
<td>Digital Electronics (DE) or Cybersecurity (SEC)</td>
<td>Engineering Design &amp; Development (EDD)</td>
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*Forward Thinking and Future Ready........Become an Islander!*

For more information about MHS career pathways visit the school website:

http://www.mpsri.net/islandersuccess