In Computer Science students learn about the creative aspects of coding, abstractions, algorithms, large data sets, the Internet, and cybersecurity.

<table>
<thead>
<tr>
<th>Year</th>
<th>Pathway Course</th>
<th>English</th>
<th>Math</th>
<th>Social Studies</th>
<th>World Language</th>
<th>Science</th>
<th>PE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1</td>
<td>AP Comp Science Principles</td>
<td>English 1 or English 1H</td>
<td>Alg 1 or Geometry</td>
<td>Elective</td>
<td>Spanish 1 or French 1 or Latin 1</td>
<td>Biology</td>
<td>PE 1</td>
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<tr>
<td>Year 2</td>
<td>PLTW Computer Science Software &amp; Engineering</td>
<td>English 2 or English 2H</td>
<td>Geometry or Alg 2</td>
<td>World History</td>
<td>Spanish 2 or French 2 or Latin 2</td>
<td>Chemistry</td>
<td>PE 2</td>
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<tr>
<td>Year 3</td>
<td>AP Comp Science A</td>
<td>English 3 or AP English Language</td>
<td>Alg 2 or Pre-Calc</td>
<td>US History</td>
<td>Elective</td>
<td>Physics</td>
<td>Elective</td>
</tr>
<tr>
<td>Year 4</td>
<td>Engineering Design and Development</td>
<td>English 4 or AP English Literature</td>
<td>Pre-Calc or Calculus</td>
<td>Government and Economics</td>
<td>Elective</td>
<td>Elective</td>
<td>Elective</td>
</tr>
</tbody>
</table>

External Activities & Experiences
- Coding Club
- Dave Wittry Programming Contest
- CyberPatriot Competition

Possible College Majors
- Artificial Intelligence
- Computer Science
- Information Technology
- Database Management

Certifications / College Credit
- Two AP Courses
- Introduction to Computing (CSP)
- Computer Science 101 (CSA)

Careers
- Application Developer
- Systems Analyst
- Network Administrator
- Computer Programmer

*Please see your counselor for details about Honors and Advanced Placement courses available*