8th Grade Parent Night

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Topics

● Graduation Requirements
● Sequence
● Placement Decisions
● Summer Opportunities
● Instruction - Math and Science at SBHS
Graduation Requirements

• Standardized Test (under review)
• 15 Math Credits
  – Algebra 1
  – Geometry
  – 3rd Course that builds on Alg & Geom
• 15 Science Credits
  – Biology
  – Physical Science (PES, Chemistry, Physics)
  – Third Lab Science
• 21st Century Elective
  – Includes Computer Science in the 21st Century
Sequence

**Mathematics**
- Algebra 1
- Geometry
- Algebra 2
- Pre-Calculus
- Calculus/Statistics
- Electives

**Science**
- PES/Physics
- Chemistry
- Biology
- Electives
Physics is more fundamental than chemistry and biology, and less abstract than mathematics. As such it provides the foundation for science while revealing the power and usefulness of mathematics.
Placement Decisions

• Current Math Course and Grades
• Current Teacher Recommendation
<table>
<thead>
<tr>
<th>8th Grade Placement</th>
<th>9th Grade Placement</th>
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<tbody>
<tr>
<td>Math 8</td>
<td>Elements of Algebra I</td>
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<tr>
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<td>Physical and Earth Science</td>
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<tr>
<td>Math 8 &lt; 87 %</td>
<td>Algebra I Academic PES</td>
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<td>Math 8 ≥ 87%</td>
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<td>8th Grade Placement</td>
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<tr>
<td>Algebra I</td>
<td>Algebra I</td>
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<tr>
<td>Acad PES</td>
<td>Geometry</td>
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<td>A &lt; 80%</td>
<td>Academic PES</td>
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<td>80 ≤ A &lt; 83%</td>
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<td>Geometry Physics</td>
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<td>83% ≤ A &lt; 95%</td>
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<td>Adv Geometry Physics</td>
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<td>8th Grade Placement</td>
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<td>Geometry</td>
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<td>Adv Alg 2 Physics</td>
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<td>Adv Alg 2 Hon Physics</td>
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<td>G &lt; 80%</td>
<td>80 ≤ A/G &lt; 87</td>
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<td>87 ≤ A/G &lt; 93</td>
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<td>93 ≤ A/G &lt; 95</td>
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<td>A/G ≥ 95%</td>
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<td>Honors Alg 2</td>
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<td>AP Physics 1</td>
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<td>A/G ≥ 95%</td>
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Courses for Credit:

- Advanced Geometry
- Advanced Chemistry
- Advanced Biology

Courses for Enrichment

- Robotics
- Jump Start Algebra
- Prep for AP Physics
Summer courses

- Option II application needs to be approved before deadline (3/1) for outside coursework to count for graduation credit
- Will not count toward GPA
- Placement exam required for outside coursework
- Serves as a prerequisite to move into the next course
- Concerns about taking summer course –
  - long term retention
  - lab skills and
  - student growth over 6 weeks versus a whole year
Clubs

XStem
Robotics
Computer Science
Math League

Science Olympiad
Medical Futures
Red Cross
Science League
Support

- Math Resource Center available for help during HAP periods and lunch
- Homework Help Center (T W Th)
Questions???

Please email

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