

# GHS Mathematics Course Sequence Guide

| 9 <sup>th</sup> Grade  | 10 <sup>th</sup> Grade  | 11 <sup>th</sup> Grade  | 12 <sup>th</sup> Grade   |  |
|--|---|---|--|--|
| <b>Algebra 1/ Geometry Course 1</b><br>(C- or below <i>Test &amp; Quiz Average</i> in 8 <sup>th</sup> grade Pre-Algebra) | <b>Algebra 1/ Geometry Course 2</b>   | <b>Algebra 1/ Geometry Course 3</b>                                 | <b>Algebra 2B</b><br>(with teacher recommendation)                     |  |
|  |   |   | <b>Topics in Mathematics</b>   |  |
| <b>Extended Algebra</b><br>(Between C and B- <i>Test &amp; Quiz Average</i> in 8 <sup>th</sup> grade Pre-Algebra)        | <b>Geometry B</b>   | <b>Algebra 2B</b>   | <b>College Algebra and Trigonometry</b><br>(C or better in Algebra 2B) |  |
|  |   |   | <b>Statistics 1</b><br>(C+ or better in Alg 2B <u>and</u> teacher rec) | <b>Statistics 2</b><br>(C+ or better in Stats 1) |
| <b>Algebra 1</b><br>(B or better <i>Test &amp; Quiz Average</i> in 8 <sup>th</sup> grade Pre-Algebra)                    | <b>Geometry A</b><br>(C or better in Algebra 1)<br><br>-or-<br>(A- or better in Extended Algebra <u>with</u> teacher recommendation <u>and</u> summer work from Math Program Administrator) | <b>Algebra 2A</b><br>(C or better in both Geometry A and Algebra 1) | <b>College Algebra and Trigonometry</b>                                |  |
|  |   |   | <b>Statistics 1</b>  | <b>Statistics 2</b><br>(C+ or better in Stats 1) |
|  |   |   | <b>Precalculus 1</b><br>(C+ or better in Alg 2A)                       | <b>Precalculus 2</b><br>(C or better in PC 1)    |

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|--|---|--|---|--|---|--|
| <b>Geometry A</b><br>(C+ or below <i>Test &amp; Quiz Average</i> in 8 <sup>th</sup> grade Algebra)         | <b>Algebra 2A</b><br>(C or better in Geometry A and a C or better in Algebra 1)   |  | College Algebra and Trigonometry  |  | Precalculus 1   |  |
|  |   |  | Precalculus 1   | Precalculus 2                          | Precalculus 2   |  |
| <b>Honors Geometry</b><br>(B- or better <i>Test &amp; Quiz Average</i> in 8 <sup>th</sup> grade Algebra)   | <b>Honors Algebra 2</b><br>(B- or better in Honors Geometry)<br>-or-<br>(A- or better in Geometry A <u>with</u> teacher recommendation <u>and</u> B- or better in Algebra 1)                  |  | <b>Honors Precalculus</b><br>(B- or better in Honors Algebra 2)<br>-or-<br>(A- or better in Algebra 2A <u>with</u> teacher recommendation <u>and</u> summer work from Math Program Administrator) |  | Calculus, Stats, or AP Stats (teacher rec)  |  |
|  |   |  |   |  | Calculus  |  |
|  |   |  |   |  | <b>AP Statistics</b><br>(teacher recommendation)                                      |  |
|  |   |  |   |  | <b>AP Calculus AB</b><br>(B or better in Honors Precalculus <u>with</u> teacher rec.) |  |
| <b>Algebra 2A</b><br>(C+ or below <i>Test &amp; Quiz Average</i> in 8 <sup>th</sup> grade Geometry)        | <b>Precalculus 1</b><br>(C+ or better in Algebra 2A)  | <b>Precalculus 2</b><br>(C or better in Precalculus 1) | <b>Calculus</b><br>(C or better in Precalculus 1 and 2)   |  | <b>AP Calculus BC</b><br>(B+ or better in Honors Precalculus)                         |  |
|  |   |  |   |  | <b>AP Statistics</b><br>(teacher recommendation)                                      |  |
| <b>Honors Algebra 2</b><br>(B- or better <i>Test &amp; Quiz Average</i> in 8 <sup>th</sup> grade Geometry) | <b>Honors Precalculus</b><br>(B- or better in Honors Algebra 2)<br>-or-<br>(A- or better in Alg 2A <u>with</u> teacher recommendation <u>and</u> summer work from Math Program Administrator) |  | <b>AP Calculus BC</b><br>(B+ or better in Honors Precalculus)   |  | <b>AP Calculus AB</b><br>(B or better in Honors Precalculus)                          |  |
|  |   |  |   |  | <b>Honors Advanced Calculus</b><br>(BC Calculus <u>and</u> teacher rec.)              |  |
|  |   |  |   | <b>AP Statistics</b><br>(teacher rec.) |   |  |