

Secondary II Mathematics – Scope & Sequence/Curriculum Map 2015 - 2016

Year-At-A-Glance *Draft*

Quarter	Big Ideas and Standards List	Testing Dates and Information
1 st Quarter	<p>Number Systems</p> <ul style="list-style-type: none"> N.RN.1, 2, 3 (rational/irrational, real/imaginary) G.GMD.1, 3 (modeling, use of formulas) A.CED.4 (rearrange formulas) N.CN.1 (complex numbers) <p>Expressions (those not requiring factoring or quadratic formula)</p> <ul style="list-style-type: none"> A.SSE.1 a (identify parts of an expression) A.APR.1 (add/subtract/multiply polynomial expressions) N.CN.2 (add/subtract/multiply complex numbers) <p>Rewrite Expressions/Factoring</p> <ul style="list-style-type: none"> A.SSE.2, 3a (rewrite expressions in equivalent forms), 3b (complete the square in a quadratic expression) N.CN.8 (factor sum of squares using complex numbers) 	<p>District Benchmark</p> <ul style="list-style-type: none"> October 15-23 ¹⁶ 10th - 21st (Three A and B Days) October 23 ¹⁷ return tests Data to District office by 10/21 5:00 PM to district office October 19 ^{14th} Harvest Holiday October 23rd end of 1st Term
2 nd Quarter	<p>Equations/Inequalities</p> <ul style="list-style-type: none"> A.REI.4 (solving using completing square/quadratic formula) N.CN.7 S (solving those with complex solutions), 9 (Fundamental Theorem of Algebra) <p>Functions/Graphing</p> <ul style="list-style-type: none"> F.IF.4, 5, 7b (key features/table, domain, range, piecewise-defined functions and absolute value functions) <p>Graphing Quadratics</p> <ul style="list-style-type: none"> F.IF.8a (x- and y-intercepts, vertex, complex zeros, use factoring/completing the square to show zeros) A.SSE.3b (complete the square to find max/min values) <p>Graphing Exponential Functions</p> <ul style="list-style-type: none"> A.SSE.3c (transformations) F.IF.8b (interpret expressions for exponential functions) 	<p>SAGE Interim Test</p> <ul style="list-style-type: none"> January 4-15 ^{Dec 12 - Jan 6} (Five A and B days) Christmas Break ^{12/22 - 1/2} December 21 - January 3 January 15th end of 2nd Term ^{Dec 21}
3 rd Quarter	<p>Comparing Functions</p> <ul style="list-style-type: none"> F.IF.9 (compare function properties), F.IF.6 (average rate of change over a specified interval) F.LE.3 (compare rates of increase for linear, quadratic, and exponential functions) <p>Building Functions</p> <ul style="list-style-type: none"> F.BF.3 (transformations for all function types consider absolute value functions), 1 (write functions to describe relationships – all types) A.SSE.1b (write functions to describe relationships – all types) 	<p>District Benchmark</p> <ul style="list-style-type: none"> March 18-25 ^{Feb. 28 - March 17} (Three A and B days) March 25 ^{17th} return tests to district office 5:00 PM March 7 – 11 Spring Break March 25th end of 3rd Term ^{8th}
4 th Quarter	<p>Similarities</p> <ul style="list-style-type: none"> G.SRT.1, 2, 3, 4, 5 (dilations, define similarity, similar triangles) <p>Trigonometry</p>	<p>SAGE Summative Test</p> <ul style="list-style-type: none"> March 28 - May 20 ^{Spring Break 4/17-4/21} (Strive to have math tested April 25 – May 13th, so that make up can be completed)