

8/9 – 8/13	Standards: <ul style="list-style-type: none"> - <i>Staff Development Day</i> (no students) - <i>Staff Development Day</i> (no students) - <i>Administrative Day</i> (no students) - introduction / syllabus - intersection / lines / rates of change
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* Administrative Day on 8/6

9/13 – 9/17	Standards: <ul style="list-style-type: none"> - definition of numerical derivative / tangent lines - <i>Conferences</i> (1/2 day) function derivatives - differentiability v. continuity - basic differentiation rules - enrichment (limit test analysis)
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8/16 – 8/20	Standards: <ul style="list-style-type: none"> - common parent functions - transformations - transformations - piecewise functions - absolute value as piecewise functions
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9/20 – 9/24	Standards: <ul style="list-style-type: none"> - average v. instantaneous rates of change - <i>Conferences</i> (1/2 day) rates for motion - review - quiz on derivatives - product and quotient rules
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8/23 – 8/27	Standards: <ul style="list-style-type: none"> - review - quiz on prerequisites / preview of calculus - graphical and numerical limits - analytical limits (factoring, rationalizing) - analytical limits (trig, $\sin(x)/x$)
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9/27 – 10/1	Standards: <ul style="list-style-type: none"> - trigonometric and higher-order derivatives - mixed practice - 1st Quarter review - 1st Quarter test - chain rule
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8/30 – 9/3	Standards: <ul style="list-style-type: none"> - analytical limits (squeeze) - mixed practice - quiz on limits / one-sided limits - continuity - discontinuities / Intermediate Value Theorem
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10/4 – 10/8	Standards: <ul style="list-style-type: none"> - chain rule - chain rule - mixed practice - review - <i>Homecoming</i> (no classes)
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9/6 – 9/10	Standards: <ul style="list-style-type: none"> - <i>Labor Day</i> (no school) - infinite limits / vertical asymptotes - mixed practice - review - test on limits and continuity
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10/11 – 10/15	Standards: <ul style="list-style-type: none"> - test on differentiation, part 1 - test on differentiation, part 2 - <i>2nd Quarter</i> - <i>2nd Quarter</i> - <i>2nd Quarter</i>
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Notes:

10/11 – 10/15	Standards: <ul style="list-style-type: none"> - <i>1st Quarter</i> - <i>1st Quarter</i> - <i>State Testing</i> (no classes) - implicit differentiation - implicit differentiation
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* PSAT on 10/13

11/15 – 11/19	Standards: <ul style="list-style-type: none"> - concavity / points of inflection - 2nd derivative test / practice - quiz on concavity & points of inflection - limits at infinity - l'Hôpital's rule
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10/18 – 10/22	Standards: <ul style="list-style-type: none"> - <i>Fall Break</i> (no school) - <i>Fall Break</i> (no school) - implicit differentiation - related rates - related rates
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11/22 – 11/26	Standards: <ul style="list-style-type: none"> - graph analysis / practice / project - graph analysis / practice / project - <i>Thanksgiving Holiday</i> (no school) - <i>Thanksgiving Holiday</i> (no school) - <i>Thanksgiving Holiday</i> (no school)
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10/25 – 10/29	Standards: <ul style="list-style-type: none"> - related rates - mixed practice / review - quiz on implicit differentiation & related rates - linearization - differentials
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11/29 – 12/3	Standards: <ul style="list-style-type: none"> - optimization - optimization - optimization - quiz on optimization - mixed practice
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11/1 – 11/5	Standards: <ul style="list-style-type: none"> - differentials - <i>Staff Development Day</i> (no students) - review - test on applications - absolute and relative extrema
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12/6 – 12/10	Standards: <ul style="list-style-type: none"> - review - test on graph behavior - semester review - semester review - semester review
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11/8 – 11/12	Standards: <ul style="list-style-type: none"> - Mean Value and Rolle's Theorems - increasing/decreasing behavior - 1st derivative test - mixed practice / review - quiz on extrema
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12/13 – 12/17	Standards: <ul style="list-style-type: none"> - semester review - <i>Semester Exams</i> - <i>Semester Exams</i> - <i>Semester Exams</i> - <i>Semester Exams</i>
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Notes:

1/3 – 1/7	Standards: <ul style="list-style-type: none"> - <i>Administrative Day</i> (no students) - midterm review - antiderivatives / indefinite integration - solutions to basic differential equations - review sigma notation (calculator/spreadsheets)
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2/7 – 2/11	Standards: <ul style="list-style-type: none"> - review - test on integration - definition and derivative of natural logarithm - integration involving natural logarithms - integration involving natural logarithms
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1/10 – 1/14	Standards: <ul style="list-style-type: none"> - approximating area w/ rectangles - approximating area w/ technology - approximating area w/ trapezoids - Riemann sums - Riemann sums v. area
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2/14 – 2/18	Standards: <ul style="list-style-type: none"> - mixed practice - integration of trigonometric functions - review - quiz on calculus of natural logarithms - derivative of inverse functions
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1/17 – 1/21	Standards: <ul style="list-style-type: none"> - <i>Martin Luther King, Jr. Day</i> (no school) - practice / review - quiz on area and Riemann sums - definition of definite integral / properties - practice
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2/21 – 2/25	Standards: <ul style="list-style-type: none"> - <i>Staff Development Day</i> (no students) - derivative and integral of e^x - bases other than e - mixed practice / review - quiz on exponential functions
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1/24 – 1/28	Standards: <ul style="list-style-type: none"> - Fundamental Theorem of Calculus - average value / practice - mixed practice / review - quiz on definite integrals / integral functions - integral functions
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2/28 – 3/4	Standards: <ul style="list-style-type: none"> - derivative of inverse trigonometric functions - integration w/ inverse trigonometric functions - mixed practice - review - test on transcendental functions
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1/31 – 2/4	Standards: <ul style="list-style-type: none"> - Fundamental Theorem of Calculus - substitution - substitution - change of variables - practice
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3/7 – 3/11	Standards: <ul style="list-style-type: none"> - enrichment - 3rd Quarter review - 3rd Quarter test - separable differential equations - <i>4th Quarter</i>
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Notes:

3/7 – 3/11	Standards: <ul style="list-style-type: none"> - 3rd Quarter - 3rd Quarter - 3rd Quarter - 3rd Quarter - separable differential equations
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4/25 – 4/29	Standards: <ul style="list-style-type: none"> - review - quiz on volume - arc length - practice / review - test on integral applications
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3/14 – 3/18	Standards: <ul style="list-style-type: none"> - exponential growth/decay - ACT - exponential growth/decay - practice - <i>Staff Development Day</i> (no students)
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* Spring Break: 3/21 – 3/25

5/2 – 5/6	Standards: <ul style="list-style-type: none"> - enrichment / portfolio - <i>EOC Exams</i> enrichment / portfolio - <i>EOC Exams</i> enrichment / portfolio - <i>EOC Exams</i> enrichment / portfolio - enrichment / portfolio
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* AP Exams all week

3/28 – 4/1	Standards: <ul style="list-style-type: none"> - practice - quiz on differential equations - enrichment - enrichment - integration by parts
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5/9 – 5/13	Standards: <ul style="list-style-type: none"> - enrichment / portfolio - enrichment / portfolio - enrichment / portfolio - enrichment / portfolio - enrichment / portfolio
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* AP Exams all week

4/4 – 4/8	Standards: <ul style="list-style-type: none"> - integration by parts - practice - review - test on diff. eq. & integration by parts - area between curves
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5/16 – 5/20	Standards: <ul style="list-style-type: none"> - review - review - review - <i>Second Semester Exams</i> - <i>Second Semester Exams</i>
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4/11 – 4/15	Standards: <ul style="list-style-type: none"> - area between curves - practice - quiz on area - volume by cross sections - volume by cross sections
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5/23 – 5/27	Standards: <ul style="list-style-type: none"> - <i>Second Semester Exams</i> - <i>Second Semester Exams</i> (1/2 day for students) - <i>Administrative Day</i> (no students) - -
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* Graduation on 5/28?

4/18 – 4/22	Standards: <ul style="list-style-type: none"> - practice - volume by washers - volume by washers - practice - <i>Good Friday</i> (no school)
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