

# Ms. VanLandingham's AP Calculus Semester Planner Spring 2020

\*\*These dates are tentative and subject to change.\*\*

	<u>Monday</u>	<u>Tuesday</u>	<u>Wednesday</u>	<u>Thursday</u>	<u>Friday</u>
<b>Week 1</b> 1/20 – 1/24	<b>ML King Holiday</b> No School	<b>Teacher Workday</b> No School	<b>Teacher Workday</b> No School	<b>Prerequisite Review</b>	1-1 Understanding & Finding Limits
<b>Week 2</b> 1/27 – 1/31	1-2 Properties of Limits	1-3 Limits of Transcendental Functions	Unit 1 Quiz 1 Practice	1-4 Limits of Transcendental Functions	1-5 Limits & Continuity
<b>Week 3</b> 2/3 – 2/7	1-6 Intermediate Value Theorem	Unit 1 Quiz 2 Practice	1-7 Infinite Limits & Limits at Infinity	Test Review	Unit 1 Test
<b>Week 4</b> 2/10 – 2/14	2-1 Rates of Change & Derivatives	2-2 Tangent Lines & Local Linearity	2-3 Slope Graphs	2-4 The Derivative	2-5 Differentiability
<b>Week 5</b> 2/17 – 2/21	<b>Teacher Workday</b>	Unit 2 Quiz 1	2-6 Basic Differentiation Rules	2-7 Product & Quotient Rule	Practice Day
<b>Week 6</b> 2/24 – 2/28	2-8 Chain Rule	2-9 Differentiation from Tables, Graphs, and Symbolically	Unit 2 Quiz 2	2-10 Derivatives of Inverse Functions	2-11 Bases Other Than e
<b>Week 7</b> 3/2 – 3/6	2-12 Equations of Tangent Lines	2-13 Implicit Differentiation	<b>Test Review</b>	<b>Test</b>	3-1 Related Rates
<b>Week 8</b> 3/9 – 3/13	3-2 Position, Velocity, & Acceleration	3-3 Extrema on an Interval	<b>Practice Day</b>	3-4 Mean Value Theorem	3-5 First Derivative Test
<b>Week 9</b> 3/16 – 3/20	3-6 Second Derivative Test	<b>Unit 3 Quiz 1</b>	3-7 Curve Sketching	<b>Practice Day</b>	3-8 L'Hopital's Rule
<b>Week 10</b> 3/23 – 3/27	3-9 Optimization	<b>Test Review</b>	<b>Unit 3 Test</b>	4-1 Area Under a Curve	4-2 Properties of Definite Integrals
<b>Week 11</b> 3/30 – 4/3	4-3 Antiderivatives & Indefinite Integrals	4-4 Sigma Notation & Writing Area as a Limit	<b>Unit 4 Quiz 1</b>	4-5 Fundamental Theorem of Calculus	4-6 Mean Value Theorem for Integrals
<b>Week 12</b> 4/6 – 4/10	4-7 Integration by Substitution	4-8 Accumulation Functions	4-9 Integration of Transcendental Functions	4-10 Particle Motion	<b>Holiday No School</b>

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<b>Spring Break</b> 4/13 - 4/17					
<b>Week 13</b> 4/20 – 4/24	Unit 4 Test	5-1 Slope Fields	5-2 Separation of Variables	5-3 Growth & Decay	6-1 Area Between Curves
<b>Week 14</b> 4/27 – 5/1	6-2 Volumes by Cross Sections	6-3 Volume by Disk & Washer Methods	6-4 Volume About a Line	6-5 Volumes by Shell Method	Exam Review
<b>Week 15</b> 5/4 – 5/8	Exam Review	<b>AP EXAM</b>	Enrichment	Enrichment	Enrichment
<b>Week 16</b> 5/11 – 5/15	Enrichment	Enrichment	Enrichment	Enrichment	Enrichment
<b>Week 17</b> 5/18 – 5/22	Enrichment	Enrichment	Enrichment	Enrichment	Enrichment
<b>Week 18</b> 5/25– 5/29	<b>Memorial Day Holiday No School</b>	Enrichment	Enrichment	Enrichment	Enrichment
<b>Week 19</b> 6/1 – 6/5	Enrichment	EXAMS	EXAMS	EXAMS	EXAMS
<b>Week 20</b> 6/8-6/12	EXAMS	<b>Last Day of Spring Semester Graduation</b>			