BC Calculus January 2024 Class Calendar

Monday	Tuesday	Wednesday	Thursday	Friday
1 **Winter Break**	2 **Teacher Workday (No School)**	3 6.6 – Integration by Parts HW: pg. 471-473 #3, 5 ,13,17, 37, AP Practice problems (1-6 all)	4 6.10 – Using Linear Partial Fractions HW: pg. 502-504 #3,5,7,21,31,49, AP Practice (1-4 all)	5 6.12 – Evaluating Improper Integrals HW: Pg. 523-526 #7,11,15,19,23,27,31, 35,45, AP Practice (1-7 all) Revisit 4.4 L'Hopital's Rule & Indeterminate Form
8 7.4– Euler's Method Pg. 559 #3-9 odds and AP Practice (1-2)	9 7.5 - Logistic Models with Differential Equations Pg. 565-566 #5, 9, 11,15,17,19,21 ,~~25, 27~~,29,33, AP (1-9 all)	10 8.5 – Arc Length of Curve and Distance Traveled Pg. 618-620 #9, 17, 23, 26,29, 31, 36, 42, 47, AP (#1-5 all)	11 Ch. 6-8 BC Topics Quiz Review	12 Ch. 6-8 BC Topics Quiz Review
15 **MLK Day** **No School**	16 **Teacher Workday** *(No School)*	17 Ch. 6-8 BC Topics Quiz Review	18 **Ch. 6-8 BC Topics Quiz**	19 9.1 – Defining and Differentiating Parametric Equations Pg. 648-651 #7, 11, 13,17, 19, 21, 35, 41, 43, 51, 53, 55, 59, 63, 69, 73, AP (1-4)
22 9.2 – Equation of tangent line on curve, arc length & 2nd Derivative of Parametric Equations HW: Pg. 658-660 #5, 7, 13, 19, 21, 23, 27, 31, 33, 39, 47, 51, AP (1-7 all)	23 9.3 – Graph Polar Equation & Polar Arc Length HW: pg. 667-668 #5, 11, 13, 19, 27, 29, 54, 57, AP (1-5 all)	24 9.5a – Derivatives of Vector Functions (arc length) Pg. 681-683 #11, 17, 23-37 odds, 34, 36, 45, 51	25 9.5b – Derivatives of Vector Functions (arc length) HW: pg. 681-683 #57, 63, 67, 73, 77, 79, AP (1-7 all)	26 9.6 – Motion along a Curve HW: pg. 687-689 #7-27 odd, 35, 37, AP (1-6 all) 9.7 – Integrals of Vector Functions and Projectile Motion HW: pg. 694-696 #1,2, 3-29 odd
29 9.4 – Area in Polar Coordinates HW: Pg. 673 1-25 odds	30 9.4b – Polar Area HW: Pg. 673-674 #29, 31, 35, 37, 41, 46, AP (1-5 all)	31 9.4 Polar Area Review	Feb 1 9.1-9.7 Test Review HW: pg. 694-696 #31-43 odds, AP (1-6 all)	Feb 2 9.1-9.7 Test Review