AP Calculus AB: Topics and Assignments
Weeks of 8/1 and 8/8

Monday   8/1   NO SCHOOL!

Tuesday   8/2   NO SCHOOL!

Wednesday   8/3   Start of School
     ⋆ HW: None!

Thursday   8/4   Class Policy and Expectations
Lesson 4: Trigonometry Review
     ⋆ Parent Letter and Student Info
     ⋆ HW: Problem Set 4 #3-6, 11-13
     ⋆ HW: Problem Set 5 #7-9, 13, 16

Friday   8/5   Lesson 6: Functions Review
     ⋆ HW: Problem Set 6 #2, 7-15
     ⋆ HW: Problem Set 7 #3, 11-14, 17, 18

Monday   8/8   Lesson 9: Logarithms Review
     ⋆ HW: Problem Set 9 #3, 7, 10, 11, 14, 16, 23
     ⋆ HW: Problem Set 10 #2, 12-14, 23

Tuesday   8/9   Graphing Calculator Activity
     ⋆ HW: WS 1

Wednesday   8/10   Lesson 11: Continuity and One-Sided Limits
     ⋆ HW: Problem Set 11 #1-25
     Focus Problems: #3-4, 7-9, 11-14, 21-23

Thursday   8/11   Lesson 14: Limit of a Function
     ⋆ HW: WS 2

Friday   8/12   **Quiz #1: Lessons 1-11**
     ⋆ HW: None!

AP Calculus AB: Topics and Assignments
Weeks of 8/15 and 8/22

Monday	8/15	Lesson 15: Intervals and Increasing/Decreasing Functions

⋆ HW: Problem Set 15 #1-25
    Focus Problems: #3, 5-8, 10-15

Tuesday   8/16   Lesson 16: Logarithms Review
⋆ HW: Problem Set 16 #3-18, 20

Wednesday   8/17   Lesson 17: Limits at Infinity
⋆ HW: WS 3

Thursday   8/18   Lesson 19: The Derivative
⋆ HW: Problem Set 19 #1-25
    Focus Problems: #2-7, 9-14, 16, 20, 22-23

Friday   8/19   **Quiz #2: Lessons 11-**17
⋆ HW: None!

Monday   8/22   Lesson 18: Function Composition Review
⋆ HW: Problem Set 18 #1-25
    Focus Problems: #3-8, 10-12, 15, 19, 22

Tuesday   8/23   Lesson 24: The Power Rule
⋆ HW: Problem Set 24 #1-25
    Focus Problems: #2-8, 15-18, 21

Wednesday   8/24   Lesson 25: Rules of Derivatives
⋆ HW: WS 4

Thursday   8/25   Lesson 26: Derivatives of e^x, $\sin(x)$, $\cos(x)$, $\ln(x)$ and
    Exponential Growth and Decay Problems
⋆ HW: WS 5

Friday   8/26   **TEST #1: Lessons 1-24**
⋆ HW: None!

AP Calculus AB: Topics and Assignments
Weeks of 8/28 and 9/5

Monday	8/29	Lesson 27: Tangent Lines and Higher Order Derivatives ★ HW: Problem Set 27 #1-25 Focus Problems: #1-11, 15, 19
Tuesday	8/30	Lesson 28: Graphs of Rational Functions II ★ HW: WS 6
Wednesday	8/31	Lesson 29+31: Differentials and the Product Rule ★ HW: WS 7
Thursday	9/1	Lesson 32: Indefinite Integrals ★ HW: Problem Set 32 #1-25 Focus Problems: #2-11, 13-14, 17, 19
Friday	9/2	**Quiz #3: Lessons 24-28** ★ HW: None!

Monday	9/5	NO SCHOOL!
Tuesday	9/6	Lesson 33: Graphs of Polynomial Functions ★ HW: Problem Set 33 #1-25 Focus Problems: #3, 5-9, 11-13, 15, 21-22
Wednesday	9/7	Lesson 34: Implicit Differentiation ★ HW: WS 8
Thursday	9/8	Lesson 35: More Indefinite Integrals ★ HW: Problem Set 35: #1-25 Focus Problems: #1-10, 12-18
Friday	9/9	**Quiz #4: Lessons 29-33** ★ HW: None!

AP Calculus AB: Topics and Assignments
Weeks of 9/12

Monday   9/12   Lesson 36: Critical Numbers
         ⋆ HW: Problem Set 36 #1-25
             Focus Problems: #2-11, 13, 15, 18, 20-21

Tuesday   9/13   Lesson 37: Differentiation by U-Substitution
         ⋆ HW: Problem Set 37 #1-25
             Focus Problems: #1-13, 15, 19

Wednesday   9/14   Lesson 38: Integrals of Sums
         ⋆ HW: Problem Set 38 #1-25
             Focus Problems: #2-13, 16, 19

Thursday   9/15   Lesson 40: Units for Derivatives and Normal Lines
         ⋆ HW: Problem Set 40 #1-25
             Focus Problems: #1-19, 22

Friday   9/16   **TEST #2: Lessons 1-38**
         ⋆ HW: None!

AP Calculus AB: Topics and Assignments
Weeks of 9/19 and 9/26

Monday   9/19   Lesson 39: Area Under a Curve (Upper and Lower Sums)
                              ⋆ HW: None!

Tuesday   9/20   Lesson 39: Area Under a Curve (Left, Right, and Midpoint Sums)
                              ⋆ HW: WS 9

Wednesday   9/21   Lesson 41: Graphs of Rational Functions III
                              ⋆ HW: Problem Set 41 #1-25
                                   Focus Problems: # 2-11, 13-20

Thursday   9/22   Lesson 42+43: Quotient Rule & Infinite Sums
                              ⋆ HW: Problem Set 43 #1-25
                                   Focus Problems: # 1-7, 9-16

Friday   9/23   Lessons 44: Chain Rule and Alternate Definition of Derivative
                              ⋆ HW: WS 10

Monday   9/26   Lesson 45: Using f to Characterize f'
                              ⋆ HW: Problem Set 45 #1-25
                                   Focus Problems: # 2-8, 12-20

Tuesday   9/27   Lesson 46: Related Rates
                              ⋆ HW: Problem Set 46 #1-25
                                   Focus Problems: #2-8

Wednesday   9/28   Lesson 46 Continued
                              ⋆ HW: WS 11

Thursday   9/29   Lesson 47: Fundamental Theorem of Calculus + Definite Integral
                              ⋆ HW: WS 12

Friday   9/30   **Quiz #5: Lessons 39-47, excluding 46**
                              ⋆ HW: None!

AP Calculus AB: Topics and Assignments
Weeks of 10/3

Monday   10/3   Lesson 49: First and Second Derivative Tests
         ⋆ HW: None!

Tuesday   10/4   Lesson 49 Continued
         ⋆ HW: Problem Set 49 #1-25
            Focus Problems: # 1-9, 11, 14-15, 22

Wednesday   10/5   Lesson 50: Derivatives of Composite Functions
         ⋆ HW: Problem Set 50 #1-25
            Focus Problems: #1-16, 18

Thursday   10/6   Lesson 51: Integration by Guessing
         ⋆ HW: Problem Set 51 #1-25
            Focus Problems: # 1-18

Friday   10/7   **Test # 3: Lessons 1-50**
         ⋆ HW: None!

AP Calculus AB: Topics and Assignments
Weeks of 10/17 and 10/26

Monday   10/17   Lessons 52+53: Optimization Problems
     ⋆ HW: WS 13

Tuesday   10/18   Lesson 54: Velocity and Acceleration
     ⋆ HW: Problem Set 54 #1-25
         Focus Problems: # 2-10, 13, 17, 19

Wednesday   10/19   Lesson 56: More Integration by Guessing
     ⋆ HW: Problem Set 56 #1-25
         Focus Problems: #2-12, 18, 21, 23

Thursday   10/20   Lesson 57: Properties of the Definite Integral
     ⋆ HW: Problem Set 57 #1-25
         Focus Problems: # 4-13, 16-19

Friday   10/21   **Quiz #6 Lessons 46-56**
     ⋆ HW: None!

Monday   10/24   Lesson 59: Computing Areas
     ⋆ HW: Problem Set 59 #1-25
         Focus Problems: # 5-8, 12-16

Tuesday   10/25   Lesson 60: Area between Two Curves
     ⋆ HW: WS 14

Wednesday   10/26   Study for Trimester Final Exam
     ⋆ HW: None!

Thursday   10/27   **Trimester Final Exam Part 1**
     ⋆ HW: None!

Friday   10/28   **Trimester Final Exam Part 2**
     ⋆ HW: None!

AP Calculus AB: Topics and Assignments
Weeks of 10/31 and 11/7

Monday   10/31   Go over Trimester I Final Exam
                       ⋆ HW: None!

Tuesday   11/1   Lesson 61: Playing Games
                       ⋆ HW: Problem Set 61 #1-25
                            Focus Problems: # 5-19

Wednesday   11/2   Lesson 62: Work, Distance, and Rates
                       ⋆ HW: Problem Set 62 #1-25
                            Focus Problems: # 4-11, 14-16, 19, 21, 22

Thursday   11/3   Lesson 63: Critical Number Theorm
                       ⋆ HW: Problem Set 63 #1-25
                            Focus Problems: # 2-4, 6-12, 14-17, 20, 21

Friday   11/4   **Quiz #7: Lessons 56-60**
                       ⋆ HW: None!

Monday   11/7   Lesson 64: Derivatives of Inverse Trig Functions
                       ⋆ HW: Problem Set 64 #1-25
                            Focus Problems: # 1, 4-7, 9, 11-19, 22

Tuesday   11/8   Lesson 65: Falling-Body Problems
                       ⋆ HW: Problem Set 65 #1-25
                            Focus Problems: # 1-3, 5-9, 11-12, 15-19, 23

Wednesday   11/9   Lesson 67: Areas Involving Functions of y
                       ⋆ HW: WS 15

Thursday   11/10   **Quiz #8: Lessons 61-64**
                       ⋆ HW: None!

Friday   11/11   NO SCHOOL!

AP Calculus AB: Topics and Assignments
Weeks of 11/14 and 11/21

Monday   11/14   Lesson 66: Integration Using U-Substitution
                     ⋆ HW: Problem Set 66 #1-25
                            Focus Problems: # 4, 5, 14-19

Tuesday   11/15   Lesson 66 Continued
                     ⋆ HW: Finish WS 16

Wednesday 11/16   Lesson 68: Even and Odd Functions
                     ⋆ HW: Problem Set 68 #1-25
                            Focus Problems: # 2-9, 13, 16, 18

Thursday   11/17   AP Packet Workday (AP Packet Due Wednesday December 2nd)
                     ⋆ HW: Study for Test!

Friday   11/18   **Test #5: Lessons 1-66**
                     ⋆ HW: None!

Monday   11/21   AP Packet Workday
                     ⋆ HW: Work on AP Packet

Tuesday   11/22   Fun Day!
                     ⋆ HW: NONE!

Wednesday 11/23   NO SCHOOL!

Thursday   11/24   NO SCHOOL!

Friday   11/25   NO SCHOOL!

AP Calculus AB: Topics and Assignments
Weeks of 11/28 and 12/5

Monday   11/28   NO SCHOOL!

Tuesday   11/29   AP Packet Work Day
     ⋆ HW: AP Packet #1 due **Friday 12/2**!

Wednesday   11/30   Lesson 70: Properties of Limits
     ⋆ HW: Problem Set 70 #1-25
         Focus Problems: #3, 6-13, 18, 19

Thursday   12/1   Lesson 71: Solids of Revolution I: Disks
     ⋆ HW: Problem Set 71 #1-25
         Focus Problems: #3-5

Friday   12/2   Lesson 71 continued
     ⋆ HW: WS 17

Monday   12/5   Lesson 72: Derivatives of $\log(x)$, a^x and $|f(x)|$
     ⋆ HW: Problem Set 72 #1-25
         Focus Problems: # 2-6, 8, 13-15, 17, 20-23

Tuesday   12/6   Lesson 73: Integrals of a^x and $\log(x)$
     ⋆ HW: Problem Set 73 #1-25
         Focus Problems: # 3-9, 11-13, 17, 20, 24, 25

Wednesday   12/7   Lesson 75: Continuity of Functions
     ⋆ HW: Problem Set 75 #1-25
         Focus Problems: # 2-6, 9-11, 16, 18, 20-23

Thursday   12/8   Lesson 78: Particle Motion I
     ⋆ HW: Problem Set 78 #1-25
         Focus Problems: # 2-3, 6-7, 9-11, 14, 16, 23, 25

Friday   12/9   **Quiz #9: Lessons 66-73**
     ⋆ HW: None!

AP Calculus AB: Topics and Assignments
Weeks of 12/12 and 12/19

Monday   12/12   Lesson 79: L'Hopital's Rule
         ⋆ HW: WS 18

Tuesday   12/13   Lesson 81: Solids of Revolution II (Washer Method)
         ⋆ HW: Ws 19 (Due Thursday)

Wednesday   12/14   Lesson 81: Solids of Revolution II: Washers
         ⋆ HW: WS 19

Thursday   12/15   Lesson 82: Differentiability
         ⋆ HW: Problem Set 84 #1-25
            Focus Problems: #3-4, 6-13

Friday   12/16   **Test #6 : Lessons 1-78**
         ⋆ HW: None!

Monday   12/19   Lesson 84: Logarithmic Differentiation
         ⋆ HW: Problem Set 84 #1-25
            Focus Problems: #3, 5-9, 14, 16, 17, 19-21, 24

Tuesday   12/20   Lesson 86: Rules for Even and Odd Functions
         ⋆ HW: Problem Set 86 #1-25 Due Monday
            Focus Problems: #2-8, 10, 11, 13-15, 18, 20-22, 24

Wednesday   12/21   **Quiz #10 : Lessons 75-81**

Thursday   12/22   Christmas Party!

Friday   12/23   NO SCHOOL!

AP Calculus AB: Topics and Assignments
Weeks of 1/9 and 1/16

Monday   1/9   Lesson 85: Mean Value Theorem and Rolle's Theorem
         ⋆ HW: None!

Tuesday   1/10   Lesson 85 continued
         ⋆ HW: WS 20

Wednesday   1/11   Lesson 88: Separable Differential Equations
         ⋆ HW: Problem Set 88 #1-25
             Focus Problems: #6-8, 17, 22, 25

Thursday   1/12   Lesson 88 continued
         ⋆ HW: WS 21

Friday   1/13   **Test #7: Lessons 1-84**
         ⋆ HW: None!

Monday   1/16   NO SCHOOL!

Tuesday   1/17   Lesson 89: Average Value of a Function
         ⋆ HW: Problem Set 89 #1-25
             Focus Problems: #2,4,6-10, 12-15,24

Wednesday   1/18   Lesson 90: Particle Motion II
         ⋆ HW: Problem Set 90 #1-25
             Focus Problems: #1-9,15

Thursday   1/19   Lesson 92: Derivatives of Inverse Functions
         ⋆ HW: WS 22

Friday   1/20   **Take Home Quiz**
         ⋆ HW: None!

AP Calculus AB: Topics and Assignments
Weeks of 1/23 and 1/30

Monday	1/23	Lesson 94: Solids of Revolution IV: Displaced Axes
		⋆ HW: Problem Set 94 #1-25
		Focus Problems: #2, 6, 11, 12, 15, 18
Tuesday	1/24	Lesson 94 continued
		⋆ HW: WS 23
Wednesday	1/25	Lesson 95: Trapezoidal Riemann Sums
		⋆ HW: Problem Set 95 #1-25
		Focus Problems: #4-5, 6a, 9, 10, 15a, 16, 17, 23, 24
Thursday	1/26	Lesson 96: Derivatives and Integrals of Absolute Value
		⋆ HW: Problem Set 96 #1-25
		Focus Problems: #1, 3-6, 7b, 10, 16, 22, 24
Friday	1/27	**Quiz #11: Lessons 85-94**
		⋆ HW: None!

Monday	1/30	Review for Trimester II Final Exam
		⋆ HW: None!
Tuesday	1/31	Review for Trimester II Final Exam
		⋆ HW: None!
Wednesday	2/1	**TRIMESTER II FINAL (Calculator MC) + review**
		⋆ HW: Study for Final!
Thursday	2/2	**TRIMESTER II FINAL (Non-Calculator MC + FRQ)**
		⋆ HW: Study for Final!
Friday	2/3	**TRIMESTER II FINAL (Free Response)**
		⋆ HW: Relax and Enjoy the weekend!

AP Calculus AB: Topics and Assignments
Weeks of 2/6 and 2/13

Monday   2/6   Lesson 97: Solids Defined by Cross Sections
     ⋆ HW: Problem Set 97 #1-25
         Focus Problems: # 3-9, 13, 20

Tuesday   2/7   Lesson 97 continued
     ⋆ HW: WS 24 (Due Thursday)

Wednesday   2/8   Go Over Trimester Final Exam
     ⋆ HW: None!

Thursday   2/9   Lesson 98+136: Fundamental Theorem of Calculus, Part 2
     ⋆ HW: Problem Set 98 #1-25
         Focus Problems 98: # 3-8, 10-14, 16, 17
         Focus Problems 137: # 6, 7

Friday   2/10   Lesson 104: Slope Fields
     ⋆ HW: WS 25

Monday   2/13   Lesson 124: Implicit Differentiation Part II
     ⋆ HW: Problem Set 124 #1-25
         Focus Problems: # 1-5, 20, 24, 25

Tuesday   2/14   Riemann Sum FRQ
     ⋆ HW: WS 26

Wednesday   2/15   Integration Applications/Rate Problems FRQ
     ⋆ HW: WS 27

Thursday   2/16   Begin work on AP Packet # 2
     ⋆ HW: None!

Friday   2/17   **Quiz # 12: Lessons 96-98, 104, 124, 136**
     ⋆ HW: None!

AP Calculus AB: Topics and Assignments
Weeks of 2/20 and 2/27

Monday   2/20   Continue Working on AP Packet # 2
                          ⋆ HW: None!

Tuesday   2/21   Finish AP Packet # 2
                          ⋆ HW: None!

Wednesday   2/22   NO SCHOOL

Thursday   2/23   NO SCHOOL

Friday   2/24   NO SCHOOL

Monday   2/27   Go Over AP Packet 2
                          ⋆ HW: None!

Tuesday   2/28   Review for Test #9
                          ⋆ HW: None!

Wednesday   3/1   Review for Test #9

Thursday   3/2   **TEST #9**

Friday   3/3   **TEST #9**

AP Calculus AB: Topics and Assignments
Weeks of 3/6 and 3/13

Monday	3/6	Go over Test #9 $\star$ HW: WS 28
Tuesday	3/7	Go over Derivative WS 28 $\star$ HW: WS 29
Wednesday	3/8	Go over Integral WS 29
Thursday	3/9	**Derivative/Integral Quiz**
Friday	3/10	QT Trip

Monday	3/13	Spring Break!
Tuesday	3/14	Spring Break!
Wednesday	3/15	Spring Break!
Thursday	3/16	Spring Break!
Friday	3/17	Spring Break!

AP Calculus AB: Topics and Assignments
Weeks of 3/20 and 3/27

| Monday | 3/20 | MC Packet 1 |
| | | ⋆ HW: MC Packet 1 |

| Tuesday | 3/21 | MC Packet 2 |
| | | ⋆ HW: MC Packet 2 |

| Wednesday | 3/22 | MC Packet 3 |
| | | ⋆ HW: MC Packet 3 (Due Friday) |

| Thursday | 3/23 | OECD/PISA Tests |
| | | ⋆ HW: None! |

| Friday | 3/24 | MC Packet 4 |
| | | ⋆ HW: MC Packet 4 (Due Tuesday) |

| Monday | 3/27 | AIMS Test |
| | | ⋆ HW: None! |

| Tuesday | 3/28 | MC Packet 5 |
| | | ⋆ HW: MC Packet 5 |

| Wednesday | 3/29 | MC Packet 6 |
| | | ⋆ HW: MC Packet 6 |

| Thursday | 3/30 | MC Packet 7 |
| | | ⋆ HW: MC Packet 7 |

| Friday | 3/31 | MC Packet 8 |
| | | ⋆ HW: MC Packet 8 |

AP Calculus AB: Topics and Assignments
Weeks of 4/3 and 4/10

Monday   4/3   FRQ Packet 1
                         ⋆ HW: FRQ Packet 1

Tuesday   4/4   Go Over FRQ Packet 1
                         ⋆ HW: None!

Wednesday   4/5   FRQ Packet 2
                         ⋆ HW: FRQ Packet 2

Thursday   4/6   Go Over FRQ Packet 2
                         ⋆ HW: None!

Friday   4/7   **MC Test Part 1**
                         ⋆ HW: None!

*** Saturday, April 9th, Full Mock AP Calculus AB Exam ***
Afternoon start time is 12:30 PM

Monday   4/10   **MC Test Part 2**
                         ⋆ HW: None!

Tuesday   4/11   FRQ Packet 3
                         ⋆ HW: FRQ Packet 3 (Due Wednesday)

Wednesday   4/12   Go Over FRQ Packet 3
                         ⋆ HW: None!

Thursday   4/13   NO SCHOOL!

Friday   4/14   NO SCHOOL!

AP Calculus AB: Topics and Assignments
Weeks of 4/17 and 4/24

Monday   4/17   NO SCHOOL!

Tuesday   4/18   FRQ Packet 4
                      ⋆ HW: FRQ Packet 4 (Due Wednesday)

Wednesday   4/19   Go Over FRQ Packet 4
                      ⋆ HW: None!

Thursday   4/20   FRQ Packet 5
                      ⋆ HW: FRQ Packet 5 (Due Friday)

Friday   4/21   Go Over FRQ Packet 5
                      ⋆ HW: None!

Monday   4/24   FRQ Packet 6
                      ⋆ HW: FRQ Packet 6 (Due Tuesday)

Tuesday   4/25   Go Over FRQ Packet 6
                      ⋆ HW: None!

Wednesday   4/26   Review Day
                      ⋆ HW: None!

Thursday   4/27   **BIG 6 Test Part 1**

Friday   4/28   **BIG 6 Test Part 2**

*** Thursday, May 4th, AP Calculus AB Exam ***
8 AM