Calculus AB Schedule--Unit 3/Chapter 3 Derivatives (cont'd)

	Monday	Tuesday	Wednesday	Thursday	Friday
Week 7					*6-Oct*
Lesson					3.1 Chain Rule
HMWK					**HW1**--p.231 #15, 21,23,39,41,51,73, p.235 AP Practice #10

Week 8	*9-Oct*	*10-Oct*	*11-Oct*	*12-Oct*	*13-Oct*
Lesson	**NO SCHOOL** -- Indigineous People's Day & Columbus Day	3.1 Chain Rule	***1/2 DAY*** PSAT for Some Juniors	3.1 Chain Rule ***Hispanic Heritage Assembly?***	3.2 Implicit Differentiation
HMWK	**No Additional Homework**	**HW2**--p.231 #47, 49, p.235 AP Practice #3,4,5,6,11	**No Additional Homework**	**HW3**--p.231 #35, 65,69,79,83, 96abcd, p.235 AP Practice #8	**HW4**--p.242 #7, 15,21,p.245 AP Practice #1,3,6,9

Week 9	*16-Oct*	*17-Oct*	*18-Oct*	*19-Oct*	*20-Oct*
Lesson	3.2 Implicit Differentiation	***LATE START*** 3.2 Implicit Differentiation	3.2 Implicit Differentiation **Quiz 3.1 & 3.2**	**NO SCHOOL** -- Parent / Teacher / Student Conferences	**NO SCHOOL**
HMWK	**HW5**--p.242 #25, 35,39,49, p.245 AP Practice #5,8	**HW6**--p.242 #47, 71b,77ab, p.245 AP Practice #2,10 **Study for Quiz 3.1 & 3.2** *October IML Math Contest after school*	**HW7**--p.242 #22,27,49,55	**No Additional Homework**	**No Additional Homework**

Week 10	*23-Oct*	*24-Oct*	*25-Oct*	*26-Oct*	*27-Oct*
Lesson	3.3 Derivative of Inverse Trig Functions	3.3 Derivative of Inverse Trig Functions	3.4 Derivatives of Logarithmic Functions	3.4 Derivatives of Logarithmic Functions	*Unit 3 REVIEW*
HMWK	**HW8--**p.250 #17, 21,31,35,39, p.251 AP Practice #1,2,6	**HW9**--p.250 #5, 6,47, p.251 AP Practice #3,7,8	**HW10**--p.259 #9, 17,25,27,45, p.261 AP Practice #2,5	**HW11**--p.259 #21,26, p.261 AP Practice #4,6,11, 12	**HW12**--p.263 #3, 13,14,26,35,37,41, 45, p.264 AP Review #1,7, p.265 AP Cumulative Review #6

Calculus AB Schedule--Unit 3/Chapter 3 Derivatives (cont'd)

	Monday	Tuesday	Wednesday	Thursday	Friday
Week 11	*30-Oct*	*31-Oct*	*1-Nov*		
Lesson	*Unit 3 REVIEW*	***LATE START*** **Unit 3 TEST**	AP Activity: Unit 3		
HMWK	**STUDY for TEST!!!**	**No Additional Homework**	*AP Activity: Unit 3 due Nov 8*		

Calculus AB Schedule--Unit 3/Chapter 3 Derivatives (cont'd)

	Monday	Tuesday	Wednesday	Thursday	Friday

UNIT 3: Differentiation (cont'd)

FUN-3
Recognizing opportunities to apply derivative rules can simplify differentiation.

LEARNING OBJECTIVE	ESSENTIAL KNOWLEDGE
FUN-3.C Calculate derivatives of compositions of differentiable functions.	**FUN-3.C.1** The chain rule provides a way to differentiate composite functions.
FUN-3.D Calculate derivatives of implicitly defined functions.	**FUN-3.D.1** The chain rule is the basis for implicit differentiation.
FUN-3.E Calculate derivatives of inverse and inverse trigonometric functions.	**FUN-3.E.1** The chain rule and definition of an inverse function can be used to find the derivative of an inverse function, provided the derivative exists.
FUN-3.E Calculate derivatives of inverse and inverse trigonometric functions.	**FUN-3.E.2** The chain rule applied with the definition of an inverse function, or the formula for the derivative of an inverse function, can be used to find the derivatives of inverse trigonometric functions.

FUN-3
Recognizing opportunities to apply derivative rules can simplify differentiation.

LEARNING OBJECTIVE	ESSENTIAL KNOWLEDGE
FUN-3.A Calculate derivatives of familiar functions.	**FUN-3.A.4** Specific rules can be used to find the derivatives for sine, cosine, exponential, and logarithmic functions.
FUN-3.F Determine higher order derivatives of a function.	**FUN-3.F.1** Differentiating f' produces the second derivative f'', provided the derivative of f' exists; repeating this process produces higher-order derivatives of f.
	FUN-3.F.2 Higher-order derivatives are represented with a variety of notations. For $y = f(x)$, notations for the second derivative include $\frac{d^2y}{dx^2}$, $f''(x)$, and y''. Higher-order derivatives can be denoted $\frac{d^n y}{dx^n}$ or $f^{(n)}(x)$.