

# AP Calculus AB






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<https://sites.google.com/site/blackwellsbutterflyworld/home>

## Unit 1 – Limits & Continuity







Sanderson High – Raleigh, NC - Fall Semester – 2018 – Unit 1 – Chapters 1 & 2 – Limits, Continuity, & Prerequisites  
Textbook: *Calculus – Graphical, Numerical, Algebraic - 2007 by Prentice Hall*

(August is National  Catfish,  Back to School,  Goat Cheese,  Peach, &  Sandwich Month)




“[Mathematics] is an independent world – Created out of pure intelligence.” – William Wordsworth











Day	Date	Topic	Homework
1	8/27 Mon	1.1-1.2 <i>(Due Dates are on the Website.)</i> Graphical Limits & Continuity	Read 1.1 - 1.3 & HW 1 
2	8/28 Tues	2.1 Algebraic Limit Techniques  <i>(August 28<sup>th</sup> – National Bow Tie &amp; Cherry Turnover Day)</i> 	HW 2 & Read 1.4 - 1.6
3	8/29 Wed	2.1 Difference Quotient & Definition of Derivative – Part 1 = Forward <i>(August 29<sup>th</sup> – National CHOP SUEY Day)</i> 	HW 3 & Graded HW # 1 <i>(PS #1 due 9/11 = Delta Math)</i>
4	8/30 Thurs	2.4 Average Rates of Change, Instantaneous Rates of Change, Speed, Tangent, & Normal Lines  <i>(August 30<sup>th</sup> – National Toasted Marshmallow Day)</i>	4, 10, 16, 28, QQ 2, QQ4, & On - line Assignment - Day 4
5	8/31 Fri	2.2 Limits Involving Infinite, End Behavior, & Limit Composites <i>(August 31<sup>st</sup> – National Trail Mix Day)</i> 	HW 5 = Online Assignments & Juice Box











(September is National Whole Grain, Classical Music, & Chicken  Month)



6	9/3 Mon	<b>Holiday</b>		
7	9/4 Tues	2.1 – 2.3	<b>Sandwich Theorem &amp; Intermediate Value Theorem</b>  <i>World Wildlife Day</i> <i>(September 4<sup>th</sup> – National Wildlife Day)</i>	HW 6
8	9/5 Wed	1.2 – 2.4	<b>Battle Ship &amp; Bingo Game Day</b> <i>(September 5<sup>th</sup> – National Cheese Pizza Day)</i> 	4, 16, 20, 22, 30, 54, 56, 64, QQ2, PS 1, & Prj
9	9/6 Thurs		<b>Limit Game</b> <i>(September 6<sup>th</sup> – National Coffee Ice Cream Day)</i>	Study
10	9/7 Fri	 <i>(September 7<sup>th</sup> – National Acorn Squash &amp; Day)</i>  <i>Salami</i>  <i>(September 8<sup>th</sup> – National Ampersand Day ) (September 9<sup>th</sup> – National Teddy Bear Day)</i>	<b>Quiz</b> 	<b>Graded HW # 2</b> = Hand Review & HW 9 = On - line Assignment = Mon

(September is also National  Mushroom,  Potato,  Honey,  
 & Self Improvement Month)

Day	Date	Topic		Homework
11	9/10 <b>Mon</b>	Project Plan Day <i>(September 10<sup>th</sup> – National TV Dinner Day)</i>		HW 10 = On - line Assignment & PS 1
12	9/11 <b>Tues</b>	Project Plan Day  <i>(September 11<sup>th</sup> – National Remembrance Day)</i>		Project, HW 11, & Graded HW # 3 due Fri
1	9/12 <b>Wed</b>	Project Presentation Day <i>(September 12<sup>th</sup> – National Encouragement</i>  <i>&amp; Chocolate Milkshake Day)</i>		Study & Tues HW 
2	9/13 <b>Thurs</b>	 <b>Unit Test 1</b>  <i>(September 13<sup>th</sup> – National Peanut Day)</i> <b>Meet the Teacher Night</b>		Say Something Nice to 3 People!!
3	9/14 <b>Fri</b>	3.1	Exploring Derivatives  <i>(September 14<sup>th</sup> – National Cream Filled Donut Day)</i>  <i>(September 15<sup>th</sup> – National Cheese Toast Day)</i>  <i>(September 16<sup>th</sup> – National Cinnamon Raisin Bread Day)</i>	2, 4, 6, 20, 26, & WS D by D

Assignments are due the day before or the morning of a pre-planned Absence / Field Trip. Anyone checking into school after math class, will need to turn in assignments by the end of the school day.


Thank You!

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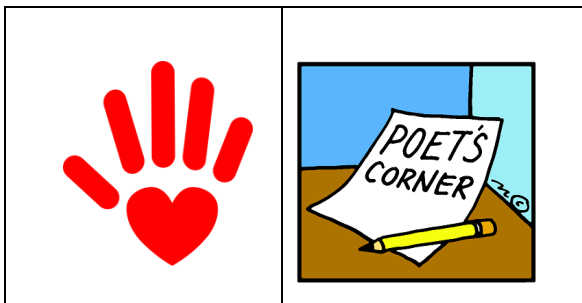


**Unit Reflection:**  
(Specific items to review)

Project & Assignment Due Dates	
Aug 30 <sup>th</sup> – Student Info = Google Doc  Aug 31 <sup>st</sup> – Graded HW # 1  Sept 12 <sup>th</sup> – Emaze Template Approval  Sept 10 <sup>th</sup> – Hand Review = Graded HW # 2	Sept 11 <sup>th</sup> – Problem Set # 1 = Delta Math.com  Sept 11 <sup>th</sup> – Emaze Upload = Google Doc  Sept 12 <sup>th</sup> – Emaze Technology Project  Sept 14 <sup>th</sup> – Graded HW # 3
<i>Extra Help Days = Tuesday After School</i>	
<b>Grading Scale</b>	
Unit Tests 70% Quizzes, Labs, Projects, & Problem Sets 20% Homework 10%	

Hand Review	1. Trace your hand on a pastel colored sheet of 8 ½ x 11 inch paper.	2. List the top 5 topics/concept s/vocabulary words and/or phrases for Unit 1	3. Write 1 topic in each finger.	4. Draw a picture in your palm that represents all 5 topics. Be CREATIVE!	5. Give your palm picture a title, 1 – sentence of explanation, & your 1 <sup>st</sup> name.
					

**Graded HW # 2 Hand Review & Limerick Page Layout**



or

