

DAY 1 - Monday, June 28, 2021 – Chattanooga, Tennessee

Time	Agenda Item	Materials
8:00-9:15	• Introductions • Housekeeping information • Review the agenda for the week • Review of the materials • Familiarize/Re-familiarize all with AP Central; AP Teacher Community	• College Board Workshop Handbook and Resources • PowerPoint File • Agenda for the Day
9:15-9:30	Course • Equity and Access • Big Ideas & Enduring Understandings & their interconnectedness • Recommended contexts • Essential Questions	• MPAC Posters • “AP Equity and Access Policy”, “Connecting Instruction Across Grade Levels” (Handbook) • College Board Workshop Handbook (Curriculum Frameworks or Course & Exam Descriptions), etc.
9:30-9:45	Brief Introduction to my DropBox and my Personal Materials	• Personal DropBox of my Curriculum, Assessments & Activities
9:45-11:00	Specific Topics: I-IV • Limits Effective Activities – 1 • Stations Activity: Limits • Calculus Clue: Limits	• APSI Binder page 4 • APSI Binder page 13 • APSI Binder page 18
10:00-10:15	<i>BREAK</i>	
11:00-12:30	Specific Topics: IV-VI • Limits at Infinity • Continuity • Intermediate Value Theorem Effective Activities – 2 5 for 5: Limits	• APSI Binder page 20 • APSI Binder page 20 • APSI Binder page 21 • APSI Binder page 227
12:00-12:45	<i>Lunch</i>	

12:45-3:00	Specific Topics: I-IV • Tangent Lines • Definition of Derivative • Derivative Rules - Product Rule - Quotient Rule - Chain Rule Effective Activities – 3 Stations Activity: Chain Rule X-Factor Game: Derivatives	• APSI Binder page 33 • APSI Binder page 34 • APSI Binder page 37 • APSI Binder page 41 • APSI Binder page 47
2:30-2:40	Break	
3:00-4:45	Specific Topics: V+Appendix • Implicit Differentiation • Derivative of An Inverse • Linear Approximation Course Planning • Pacing Guides • Sample Syllabi	• APSI Binder page 51 • APSI Binder page 241 • APSI Binder page 249 • Sample Syllabi, Course Planning and Pacing Guides, Syllabus Development Guide • AHS Timeline

DAY 2 - Tuesday, June 29, 2021 – Chattanooga, Tennessee

Time	Agenda Item	Materials
8:00-11:00	Specific Topics: VI-VIII • Related Rates • Mean Value Theorem • Applications of the Derivative Effective Activities – 4 Theorems Foldable Quiz-Quiz-Trade Activity: Analyzing f, f', f'' Mark Renaut's Applets: f' Analysis Big 10 Activity: Derivative Analysis	• APSI Binder page 57 • APSI Binder page 72 • APSI Binder page 83 • Handout • APSI Binder page 95 • webspace.ship.edu https://webspace.ship.edu/msrenault/GeoGebraCalculus/derivative_app_1_graph_A_D.html
10:00-10:15	<i>BREAK</i>	
11:10-1:30	Effective Activities – 4 cont'd • Optimizing a Soda Can • Calculus Vocabulary: Charades	• TI-Nspire/Navigator • Mobile Phone App
12:00-12:45	<i>Lunch</i>	
1:30-2:30	Building a Successful AP Calculus Program • Establishing a Culture of Success • Appealing to the Affective Domain • Math Contests (CML)	• Wristbands, T-Shirts, from AHS, "The Monster at the End of the Book," AP Calculus Wheel of Fun, The "IT" Jar
2:30-4:45	Specific Topics: IX-X • Indeterminate Forms & L'Hôpital's Rule • Particle Motion	• APSI Binder page 108 • APSI Binder page 114

DAY 3 - Wednesday, June 30, 2021 – Chattanooga, Tennessee

Time	Agenda Item	Materials
8:00-9:15	Specific Topics: I-II • Area Under a Curve: Riemann Sums • Antidifferentiation	• APSI Binder page 120 • APSI Binder page 133
9:15-12:00	Specific Topics: III-V • Notation for Antiderivatives • Integration Rules • Techniques of Integration Effective Activities – 5 • Integration Techniques Card Sort	• APSI Binder page 134 • APSI Binder page 135 • APSI Binder page 136
10:00-10:15	<i>BREAK</i>	
12:00-12:45	<i>Lunch</i>	
12:45-1:30	Building Effective Assessments for your AP Calculus AB Classroom	• APSI Binder page 216
1:30-4:00	Specific Topics: VI-XI • The Definite Integral • Exploring Properties of the Definite Integral • FTC, MVT for Integrals, Average Value Theorem	• APSI Binder page 140 • APSI Binder page 140 • APSI Binder page 143
4:00-4:45	Effective Activities – 6 • QR Code Activity: Riemann Sums	• Activity is found in Workshop DropBox

DAY 4 - Thursday, July 1, 2021 – Chattanooga, Tennessee

Time	Agenda Item	Materials
8:00-10:00	Specific Topics: XII-XIV • Functions Defined by Definite Integrals • 2nd FTC • Interpreting Derivatives and Definite Integrals	• APSI Binder page 147 • APSI Binder page 148 • APSI Binder page 150
10:00-10:15	Break	
10:15-11:00	Effective Activities – 7 • Interpret This...	• APSI Binder page 155
11:00-12:00	Specific Topics: XV • Integrals as Accumulators	• APSI Binder page 165
12:00-12:45	<i>Lunch</i>	
12:45-2:00	Specific Topics: XVI • Differential Equations and Slope Fields Effective Activities – 9 • Slope Field Wiki Stik Activity	• APSI Binder page 182
2:00-2:15	Break	
2:15-2:40	Specific Topics: XVII • Area Between Curves and Volume of Solids Effective Activities – 10 Sidewalk Chalk Activity: Area and Volume	• APSI Binder page 225 • APSI Binder page 259

2:40-3:30	A Trip to Woolsthorpe Manor – <i>The Birthplace of Calculus</i>	PowerPoint with Photos/Video of Newton's Home
3:30-4:30	The Month of April - "Planning an Effective AP Review Cycle" The AP Exam Review Process • Effective Activities • Resources Mock Exams	Personal Materials and Notes / Non-Secured Mock Exams
4:30-4:45	Wrap-Up / Door Prizes	