AP Calculus AB/BC
Chapter 4 Syllabus*

Day	Date	Description	Homework
1		4.1 - Antiderivatives and Indefinite Integration *4.1/4.3 Extra Practice (1-7)* *FR 2*	• p. 287 (11 – 31 odd, 37 – 43 odd)
2		4.3 - Definite Integrals - *Geometric Interpretations, Properties and Transformations* *Geometric Interpretations WKST* *4.1/4.3 Extra Practice (8-12)*	• p. 312 (15 – 45 odd, 49, 85, 87, 110, 113b)
3		**4.1 & 4.3 Quiz** 4.3 Riemann Approximations	• Riemann Approximation WKST 1
4		4.3 Riemann Approximations *FR 14, 20 a&b* *4.2/4.6 Extra Practice WKST*	• Riemann Approximation WKST 2
5		**Quiz Riemann Approximations** 4.4 - The Fundamental Theorem of Calculus *Chocolate Studded Dream Cookies WKST*	• p. 328 (5 – 37 eoo, 55 – 59 odd(Average value only), 68, 115) FR 3
6		4.4 - The Fundamental Theorem of Calculus *4.4 WKST* *FR 16, 20 c&d*	• 2nd Fundamental Theorem WKST • FR 5, 13, 15
7		4.5 - Integration by Substitution *FR 1*	• p. 341 (9 – 23 odd, 31 – 51 odd, 57, 117)
8		4.5 - Integration by Substitution *FR 17, 18*	• p. 341 (59, 63, 71- 81 odd, 85, 95, 113, 114, 118)
9		**4.4-4.5 Quiz** 4.6 - The Natural Logarithmic Function: Integration *FR 7*	• p. 351 (1– 21 eoo, 31 – 41 odd, 49, 51, 57, 65, 85. 106)
10		4.7 - Inverse Trigonometric Functions: Integration	• p. 359 (1 – 29 eoo, 31-41 odd)
11		**Motion/MC Calculator**	MC Calculator WKST FR 11, 12
12		**4.6-4.7 Quiz** Review	FR 4, 8, 16, 21, 22
13		Review	Ch 4 Review
14		**Ch 4 Test**	

*Assignments Subject to Change

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