Name: Woods	Grading Quarter: 3	Week Beginning: 1/22/24
School Year: 23-24	Subject: AP Calc BC	

	Notes:		
Monday	Notes:	Objective: Students will be able to use Integration by Parts appropriately. Lesson Overview: Introduce the need for IBP when u-substitution fails. Model how incorrectly choosing u leads to an unsuccessful attempt. Notes together then practice problems with a partner.	Academic Standards: 6.11 Integrating Using Integration by Parts 1.E Apply appropriate mathematical rules or procedures, with and without technology.
Tuesday	Notes:	Objective: Students will be able to use Integration by Parts appropriately. Lesson Overview: Introduce the need for IBP when u-substitution fails. Model how incorrectly choosing u leads to an unsuccessful attempt. Notes together then practice problems with a partner.	Academic Standards: 6.11 Integrating Using Integration by Parts 1.E Apply appropriate mathematical rules or procedures, with and without technology.
Wednesday	Notes:	Objective: Students will be able to integrate power trig integrals using trig substitution. Lesson Overview: Show the difference between even and odd powers on trig integrals. Study unit circle and let students know there will be a timed trig quiz next week!	Academic Standards: 6.9 Integrating Using Substitution 1.E Apply appropriate mathematical rules or procedures, with and without technology.
Thursday	Notes:	Objective: Students will be able to use partial fraction decomposition to integrate. Lesson Overview: Continuation of previous lesson AP examples of arc length With and without calculator Practice independently on Khan Academy	Academic Standards: 6.12 Integrating Using Linear Partial Fractions 1.E Apply appropriate mathematical rules or procedures, with and without technology
Friday	Notes:	Objective: Students will be able to use partial fraction decomposition to integrate. Lesson Overview: Continuation of previous day's lesson. Finish examples that we didn't have time for.	Academic Standards: 6.12 Integrating Using Linear Partial Fractions 1.E Apply appropriate mathematical rules or procedures, with and without technology