Name: Mrs. Woods			Grading Quarter: 3	Week Beginning: 2/24/25	
School Year: 24-25			Subject: AP Calculus AB		
Monday	Notes:	Objective: Student the shell method. Lesson Overview: Notes – how to fin points of intersect Partition both x- an	s will be able to find the d the area between curv ion, identify limits of inte nd γ-axis.	volume using es, locate gration	Academic Standards: 8.11 Volume with Washer Method: Revolving Around the x- or y-Axis 4.E Apply appropriate rounding procedures. 8.12 Volume with Washer Method: Revolving Around Other Axes 2.D Identify how mathematical characteristics or properties of functions are related in different representations.
Tuesday	Notes:	Objective: Student the shell method. Lesson Overview: <i>This is a continuati</i>	ion of the previous day's i	volume using Vesson.	Academic Standards: 8.7 Volumes with Cross Sections: Squares and Rectangles 3.D Apply an appropriate mathematical definition, theorem, or test. 8.8 Volumes with Cross Sections: Triangles and Semicircles 3.D Apply an appropriate mathematical definition, theorem, or test.
Wednesday	Notes:	Objective: Student solids with known Lesson Overview: Notes – how does dimensional objec Discs as cross secti Area goes to axis c	ts will be able to find the cross sections. the cross section of a thr t look? ions of revolution	volume of ee-	Academic Standards: 8.7 Volumes with Cross Sections: Squares and Rectangles 3.D Apply an appropriate mathematical definition, theorem, or test. 8.8 Volumes with Cross Sections: Triangles and Semicircles 3.D Apply an appropriate mathematical definition, theorem, or test.

	Notes:	Objective: Students will be able to find the volume of	Academic Standards:
		solids with known cross sections.	
			8.11 Volume with Washer Method:
		Lesson Overview:	Revolving Around the x- or y-Axis
		This is a continuation of the previous day's lesson.	4.E Apply appropriate rounding
		Formatively assess student struggles and focus on those	procedures.
		types of problems.	8.12 Volume with Washer Method:
			Revolving Around Other Axes 2.D
Th			Identify how mathematical
urs			characteristics or properties of
da			functions are related in different
Υ			representations.
			8.7 Volumes with Cross Sections:
			Squares and Rectangles 3.D Apply
			an appropriate mathematical
			definition, theorem, or test.
			8.8 Volumes with Cross Sections:
			I riangles and Semicircles 3.D Apply
			an appropriate mathematical
	.		definition, theorem, or test.
	Notes:	Objective: Students will be able to find the volume of	Academic Standards:
		various solids.	8 11 Volume with Wesher Method
			8.11 Volume with Washer Method:
		Lesson Overview:	A E Apply appropriate rounding
		Notes – Mix examples of disk, washer, shell, and cross	4.E Apply appropriate rounding
		sections. Students will work in small groups on	8 12 Volume with Washer Method:
		whiteboards to solve problems.	8.12 Volume with Washer Method.
			Identify how mathematical
Fr			characteristics or properties of
ida			functions are related in different
Υ			representations
			8.7 Volumes with Cross Sections:
			Squares and Rectangles 3.D Apply
			an appropriate mathematical
			definition, theorem. or test.
			8.8 Volumes with Cross Sections:
			Triangles and Semicircles 3.D Apply
			an appropriate mathematical