Unit 5C Agenda – Sinusoidal Applications – 2022/2023

Students will investigate and use the graphs of the six trigonometric functions.

a. Apply graphs of trigonometric functions in realistic contexts involving periodic phenomena.

Friday December 2	Writing Equations of Sine and Cosine Graphs Notes Trig Graphing WS 3 and Trig Graphing WS 4
Monday December 5	Writing Equations of Sine and Cosine Graphs Warmup Writing Equations 1 & 2 More Equation Writing WS
Tuesday December 6	Virtual Day – Midterm Exam Review Focus on Conics (Unit 1)
Wednesday December 7	QUIZ – Writing Equations
Thursday, December 8 – Monday, December 12 … Review for Midterm Exam	
Tuesday, December 13 – Friday, December 16 … Midterm Exams	
Thursday January 5	Review Sine and Cosine Sine and Cosine Review – Semester 2 WS
Friday January 6	Sinusoidal Applications and Models (Harmonics) Calculator Guidelines Sinusoidal Applications Waterwheel Example Sinusoidal Functions as Mathematical Models WS #2 and 3 only
Monday January 9	more Sinusoidal Applications and Models Warmup Tide Problem Sinusoidal Functions as Mathematical Models WS #1, 4 – 7
Tuesday January 10	more Sinusoidal Applications and Models Practice Quiz Question Sinusoidal Functions as Mathematical Models WS #8 – 10
Wednesday January 11	QUIZ – Sinusoidal Applications Review WS
Thursday January 12	Continue Review for Test Warmup Ferris Wheel
Friday January 13	Continue Review for Test Warmup Oil Well
Monday January 16	Martin Luther King Jr. Day No School
Tuesday January 17	TEST –Sinusoidal Applications