Unit 5C Agenda – Sinusoidal Applications – 2023/2024

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

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

Tuesday December 5	**Writing Equations of Sine and Cosine Graphs** Notes Trig Graphing WS 3 and Trig Graphing WS 4
Wednesday December 6	**Writing Equations of Sine and Cosine Graphs** Warmup Writing Equations 1 & 2 More Equation Writing WS
Thursday December 7	**QUIZ – Writing Equations**
	Friday, December 8 – Wednesday, December 13 … Review for Midterm Exam
	Thursday, December 14 – Tuesday, December 19 … Midterm Exams
Thursday January 4	**Review Sine and Cosine** Sine and Cosine Review – Semester 2 WS
Friday January 5	**Sinusoidal Applications and Models (Harmonics)** Calculator Guidelines Sinusoidal Applications Waterwheel Example Sinusoidal Functions as Mathematical Models WS #2 and 3 only
Monday January 8	**More Sinusoidal Applications and Models** Practice Quiz Question Sinusoidal Functions as Mathematical Models WS #4-6, 9
Tuesday January 9	**More Sinusoidal Applications and Models** Warmup Tide Problem Sinusoidal Functions as Mathematical Models WS #1, 7, 8, 10
Wednesday January 10	**QUIZ – Sinusoidal Applications** Review WS (Odds)
Thursday January 11	**Continue Review for Test** Warmup Ferris Wheel Review WS (Evens)
Friday January 12	**Continue Review for Test** Warmup Oil Well Another Review WS
Monday January 15	**Martin Luther King Jr. Day** No School
Tuesday January 16	**TEST –Sinusoidal Applications**