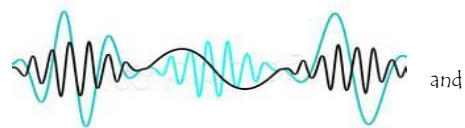


Unit 5B Agenda – Graphing Sine & Cosine Functions – 2019

MM4A3. Students will investigate and use the graphs of the six trigonometric functions.

- Understand and apply the six basic trigonometric functions as functions of real numbers.
- Determine the characteristics of the graphs of the six basic trigonometric functions.
- Graph transformations of trigonometric functions including changing period, amplitude, phase shift, and vertical shift.
- Apply graphs of trigonometric functions in realistic contexts involving periodic phenomena.



Thursday November 14	Sine Graph with Vertical & Horizontal Dilations (<i>amplitude, period, domain/range, even/odd</i>) Notes Trig Graphing – WS 1 – Part 1 – Sine Graphs
Friday November 15	Cosine Graph with Vertical & Horizontal Dilations (<i>amplitude, period, domain/range, even/odd</i>) Notes Trig Graphing – WS 1 – Part 2 – Cosine Graphs Puzzle WS 42
Monday November 18	Review – Sine and Cosine Graphs with Vertical & Horizontal Dilations WS Sine and Cosine with Dilations
Tuesday November 19	Sine & Cosine Graphs Quiz – Graphs of Sine and Cosine – Dilations
Wednesday November 20 <i>Full Day</i>	Sine and Cosine Graphs with Vertical & Horizontal Translations (<i>phase shift and vertical shift</i>) Notes Trig Graphing – WS 2 #1 – 10
Thursday November 21 <i>Who's Who</i>	Sine and Cosine Graphs Practice Quiz – self-graded (as a review) Trig Graphing – WS 2 – #11 – 20 Puzzle WS 43 <i>**If you will not be here on Friday, you will need to take the quiz today. **</i>
Friday November 22 <i>Xblock</i>	Sine and Cosine Graphs QUIZ – Graphs of Sine and Cosine Functions Trig Graphing WS 5
Thanksgiving Break!!	
Monday December 2	Sine and Cosine Graphs with Horizontal Reflections (and how to avoid them!) Avoiding Horizontal Reflections WS
Tuesday December 3	Characteristics of Sine and Cosine / More graphing Practice!!! WS Characteristics of Sine and Cosine Trig Graphing WS 6 (Omit #15 & 16)
Wednesday December 4	Sine and Cosine Graphs Review
Thursday December 5	TEST – Graphing & Writing Equations