CARROLL HIGH SCHOOL

	Monday 8/14	Tuesday 8/15	Wednesday 8/16	Thursday 8/17	Friday 8/18
ACCRS **(Objectives):**	*#18 Graph functions expressed symbolically and show key features of the graph, by hand in simple cases and using technology for complicated cases [F-IF7].* *#26 Determine amplitude, period, phase shift, domain, range of trig functions [AL].* *#29 Use special triangles to determine geometrically the values of sine, cosine, and tangent for 3π, 4π, and 6π, and use the unit circle to express the values of sine, cosine, and tangent for $\pi - x$, $\pi + x$, and $2\pi - x$ in terms of their values for x, where x is any real number[F-TF3].* *#30 Use the unit circle to explain symmetry (odd and even) and periodicity of trigonometric functions [F-TF4].*				
Before:	*Quiz: Unit Circle *Review Trig Values Answers	*Review Homework	*Review Homework *Unit Quiz	*Review Homework/ Quiz	*Review Homework
During:	*Group Collaboration Set: Examples 4-6 (Trig Values)	*Lesson: Right Triangle Trig Problems	*Lesson: Right Triangle Word Problems	*Lesson: Graphing Trig Functions & Amplitude	*Lesson: Graphing Trig Functions & Period
After:	*Finish Homework Set #3, 4, 6	*Group Collaboration Set (Right Triangle Trig)	*Group Collaboration Set (Right Triangle Trig) *HW Set	*Group Collaboration Set *HW Set	*Group Collaboration Set *HW Set
Desired Outcome:	Students will be able to solve problems involving trig values w/o a calculator.	Students will be able to solve right triangle problems.		Students will be able to graph trig functions.	
Formative/ Summative:	Quiz/Student questioning	Student questioning	Quiz/Student questioning	Student questioning	Student questioning
Critical Questions:	*Explain how common trig values can be found w/o a calculator. How can we find sin, cos, tan (and their reciprocals) of values outside of [0,360]?*	*Explain how Pythagorean theorem can be used to solve for parts of a right triangle.*		*Explain the term sinusoidal. How does the graph of sine and cosine change when "a" is changed? What does the amplitude of the graph tell us?*	*How does the graph of sine and cosine change when "b" is changed? What does "b" tell us about the graph?*