Pre-Calculus with Trigonometry

Course Description: Pre-Calculus with Trigonometry prepares a college-bound student for their first course in calculus. The course includes the study of advanced functions, including polynomial, exponential, logarithmic, trigonometric, and circular functions. Students will study the algebraic relationships between these functions, their graphs, and transformations of these functions. Students will also be introduced to the concepts of limits.

Attendance: Students are required to be in school every day. Students are responsible for communicating with their teachers to make up missed learning.

Essential Skills:

1. Create Mathematical Representations
2. Simplify, Solve, and Evaluate
3. Analyze and Interpret

Course Expectations: Although not everything is graded, everything is important. In order to demonstrate growth and learning, students will need to:

1. Participate in class activities (take notes, work in a group, complete in class tasks, ask questions) without distractions (cell phones, games, etc.)
2. Use morning time and the teacher to seek help outside of class when needed.
3. Complete all assessments within teacher timelines.
4. Use Canvas to access additional support when needed.
5. Complete practice in Savvas.

Grading

Learning (Practice) includes instructional activities in and outside of class and are not used in grade determination.
Skyward Assessment (Grades) may include quizzes, tests, and projects.

Final Grade	
A	100% - 90%
B	80% - 89%
C	70% - 79%
D	60% - 69%
F	0% - 59%

Calculations:

Final Grade Calculation	
Cumulative Grade	95%
Final Exam(s)	5%

Instructional Resources: Pearson Envision, Savvas, Kahoot, Blooket, Canvas, Classkick, Desmos.

Course Calendar/Pacing:

2022-2023 Pre-Calculus Pacing Guide

August/September
		30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

October
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

November
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

December
			1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

January
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

February
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

March
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

SBAC REVIEW? (March 20–24)

April
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

May/June
		1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3

Legend:

Pre-Requisites	Chapter 1 — Functions & Graphs	Chapter 2 — Polynomial & Rational Functions
Chapter 3 — Exponential & Logarithmic Functions	Chapter 4 — Trigonometric Functions	Chapter 5 — Analytic Trigonometry (Add solving Trigonometric Equations)
Chapter 6 — Additional Topics in Trigonometry	Chapter 8(9) — Analytic Geometry	Chapter 9(8) — Discrete Mathematics
Professional Development	Semester Exams	