

The vision of our department is to teach our students to become independent, self-thinking problem solvers.

IMPORTANT: LINK TO DAILY OUTLINE

Swain CORE Year-long Curriculum Map for Math 1 (9th Grade)			
Module/Unit	Module A: Introduction of Functions	Module B: Linear Functions	
Outcome # /Name	Outcome 1: Concept of a Function Outcome 2: Identify Key Features of a Function	Outcome 3: Create and Analyze Linear Function Outcome 4: Linear Functions Applications	Outcome 5: Systems of Linear Equations and Inequalities
Big Idea	Identifying and Exploring the Relationship between Variables (x, x^2 , trig, etc)	Constant Rate of Change , Slope, Constant Difference	Methods of Finding Intersection Point(s) of Two Functions
Timeline	20 days	18 days	12 days
State Standards	NC.M1.A-REI.10, NC.M1.F-IF.3, NC.M1.F-BF.1, NC.M1.F-BF.1a, NC.M1.F-BF.1b, NC.M1.F-BF.2, NC.M1.F-IF.1, NC.M1.F-IF.2	NC.M1.A-REI.10, NC.M1.F-IF.7, NC.M1.F-BF.1, NC.M1.F-BF.1a, NC.M1.F-BF.1b, NC.M1.F-BF.2, NC.M1.F-LE.1 NC.M1.G-GPE.5, NC.M1.S-ID.6, NC.M1.S-ID.6a, NC.M1.S-ID.6b, NC.M1.S-ID.6c, NC.M1.S-ID.7, NC.M1.S-ID.8, NC.M1.S-ID.9	NC.M1.A-CED.3, NC.M1.A-REI.5, NC.M1.A-REI.6, NC.M1.A-REI.11, NC.M1.A-REI.12
Related Competencies	NC.M1.A-CED.1, NC.M1.A-CED.2, NC.M1.F-IF.1, NC.M1.F-IF.2, NC.M1.F-IF.5, NC.M1.F-IF.6	NC.M1.A-CED.1, NC.M1.A-CED.2, NC.M1.F-IF.1, NC.M1.F-IF.2, NC.M1.F-IF.4, NC.M1.F-IF.5, NC.M1.F-IF.6	NC.M1.F-IF.1, NC.M1.F-IF.2

Swain CORE Year-long Curriculum Map for Math 1 (9th Grade)

Module/Unit	Module C: Statistics	Module D: Exponential Functions	Module E: Geometry	Module F: Quadratic Functions	Exam Prep		
Outcome # /Name	Outcome 6: Compare Two Sets of Data Outcome 7: Summarize and Interpret Categorical Data Outcome 8: Create, Interpret, and Analyze Linear Models	Outcome 9: Rewrite Expressions Involving Exponents Outcome 10: Representation s of Exponential Functions Outcome 11: Interpret Exponential Functions	Moved to Outcome 4	Outcome 14: Write a Rule to Represent a Quadratic Function Outcome 15: Interpret Key Features of Quadratic Functions in Context	Exam Prep	Benchmark Tests, Exams, and Misc.	Total:
Big Idea	Interpretation of Categorical & Quantitative Displays	Identify and Interpret Exponential Functions	Distance, Midpoint, Pythagorean Theorem	Differences from Linear, Identifying Key Characteristics	Revisit Major Concepts		
Timeline	15 days	15 days	10 days	20 days	10 days	24 days	171 days
State Standards	NC.M1.S-ID.1, NC.M1.S-ID.2, NC.M1.S-ID.3	NC.M1.A-REI.10, NC.M1.F-IF.3, NC.M1.F-IF.7, NC.M1.F-IF.8b, NC.M1.F-IF.9, NC.M1.F-BF.1, NC.M1.F-BF.1a, NC.M1.F-BF.1b, NC.M1.F-BF.2, NC.M1.F-LE.1, NC.M1.F-LE.3, NC.M1.F-LE.5	NC.M1.G-GPE.4, NC.M1.G-GPE.5, NC.M1.G-GPE.6	NC.M1.A-SSE.3, NC.M1.A-SSE.1, NC.M1.A-SSE.1a , NC.M1.A-SSE.1b , NC.M1.A-APR.3, NC.M1.A-REI.4, NC.M1.F-IF.5, NC.M1.F-IF.6, NC.M1.F-IF.7, NC.M1.F-IF.8,			

				NC.M1.F-IF.8a, NC.M1.F-IF.9			
Related Competencies		NC.M1.A-CED.1, NC.M1.A-CED.2, NC.M1.F-IF.1, NC.M1.F-IF.2, NC.M1.F-IF.4, NC.M1.F-IF.6		NC.M1.A-CED.1, NC.M1.A-CED.2, NC.M1.F-IF.1, NC.M1.F-IF.2, NC.M1.F-IF.4			