	Algebra 1A (9000A) Course Ov	verview Curriculum	Document				
	Course D	escription					
Algebra 1A builds stude fluency and application algebra and linear func	ents' use of algebraic symbols to describe mathematical phenome a. This course provides the foundation for the study of higher leve tions. This course is year one of a two year pathway - students w	ena with an emphasis on developing conce els of mathematics along with its integratio ill also be expected to take Algebra 1B upo	eptual understanding lea on into other disciplines t n completion of this cou	ding to procedural hrough foundational rse.			
-Crodits							
1 (0.5 per semester)							
	Roard Approved	Deviced					
Board Approved		Revised May 2019, October 2021, June 2023, June 2023					
Required Assessments							
 Algebra 1A Summative 0.1: Manipulate Expressions: Standard 2 Algebra 1A Summative 0.2: Function Analysis: Standard 1 Algebra 1A Summative 0.3: Statistics and Probability: Standard 4 Algebra 1A Summative 0.4: Manipulate Expressions: Standard 2 Algebra 1A Summative 1.1: Manipulate Expressions: Standard 2 Algebra 1A Summative 1.2: Solve Equations and Inequalities: Standard 3 Algebra 1A Summative 1.3: Function Analysis: Standard 1 		 Algebra 1A Summative 1.4: Function Analysis: Standard 1 Algebra 1A Summative 2.1: Function Analysis: Standard 1 Algebra 1A Summative 2.2: Function Analysis: Standard 1 Algebra 1A Summative 2.3: Manipulate Expressions: Standard 2 Algebra 1A Summative 2.4: Solve Equations and Inequalities: Standard 3 Algebra 1A Summative 2.5: Solve Equations and Inequalities: Standard 3 Algebra 1A Summative 2.6: Solve Equations and Inequalities: Standard 3 					
	Textbooks	/Resources					
	Kenneuy, D., Iviliou, E., Thomas, C. D., Zbiek, R. M., & Cuo	Luo, A. (2024). erivision Algebra 1. Paramus	, NJ: Savvas Learning Co	трапу.			
Co	urse Essential Understandings	Course Relevance Question(s)					
 As a result of successful Algebraic symbol emphasis on de fluency and app 	bly completing this course, students will understand that: ols are used to describe mathematical phenomena with an eveloping conceptual understanding leading to procedural plication.	How can we represent patterns and relationships mathematically?					
	Unit Ov	verviews					
Unit Name	Unit Description	Unit Relevance Question	Instructional	Assessed			
Unit #0 - Algebra Foundations	This unit reviews essential skills learned in previous classes. In order to be successful in Algebra 1A, students need to have prior knowledge in multiple areas of study. This unit will focus on strengthening the foundational skills of pre-algebra, including integer operations, evaluating expressions and understanding vocabulary.	 What ways do we use math in everyday life? What do we use in place of an unknown number? Why does order make a difference in mathematical operations? 	Standard 1: Eunction	Standard 1: Function Analysis M.8.F.A.1, A.2, A.3 Standard 2: Manipulate Expressions M.6.NS.C.5, C.6 M.6.EE.A.1, A.2, A.3, A.4 M.7.EE.A.1 M.7.NS.A.1, A.2, A.3 Standard 4: Statistics and Probability M.6.SP.A.1, A.2, A.3, A.4 M.7.SP.A.1, 2 M.7.SP.B.3, 4 Standard 1: Eunction			
Unit #2 - Linear	for the rest of the course. They will analyze data to interpret and communicate information from a variety of forms. Students will also recognize patterns and generate models to represent those patterns.	 How can information be displayed and how do we make sense of it? How can symbols be used to help us efficiently communicate? How does generalizing a situation help? Why do rates of change matter 	Analysis M.A.CED.A.4 M.SP.ID.B.6 Standard 2: Manipulate Expressions M.N.RN.A.1, 2 M.A.APR.A.1 Standard 4: Statistics and Probability M.SP.ID.A.1, 2, 3 M.SP.ID.A.1, 2, 3 M.SP.ID.C.8 M.SP.ID.C.9 Standard 1: Function	Analysis M.N.Q.A.1, A.2, A.3 M.A.CED.A.1,A.2, A.3 M.F.BF.A.1 M.F.IF.A1, A.2, M.F.IF.A1, A.2, M.F.IF.C.7a, C.9 Standard 2: Manipulate Expressions M.A.SSE.A.1, A.2 Standard 3: Solve Equations and Inequalities M.A.REI.B.3 Standard 1: Function			
Functions	function families to investigate linear functions and use them in problem solving. They will apply their knowledge of	and how will they help me be a better consumer?	Analysis M.A.CED.A.2,3,4	Analysis M.A.CED.A.1			

expressions in the context of linear functions; additionally,	• How do Linear pictures, graphs,	M.F.BF.A.1,2	M.F.LE.A 2
they will model situations graphically, numerically, and	tables, and data "paint a	M.F.IF.A.3	M.F.IF.B.4
through equation manipulation and analysis.	thousand words?"	M.F.LE.A.1	M.F.IF.C. C.9
	 How can we move from physical 	M.F.BF.B.3	
	Linear models to abstract	M.F.LE.B.5	Standard 2:
	thinking?	M.N.Q.A.1,2,3	Manipulate
		M.F.IF.A.1, A.2	Expressions
		M.IF.B.5,6	M.A.SSE.A.2
		M.F.IF.C.7.a	M.A.APR.A.1
		M.F.LE.A.1,3	
			Standard 3: Solve
		Standard 2:	Equations and
		Manipulate	Inequalities
		Expressions	M.A.REI.A.1
		M.A.SSE.A.1	M.A.REI.B.3
			M.A.REI.C.5,6
		Standard 3: Solve	M.A.REI.D.10,11
		Equations and	
		Inequalities	Standard 4:Statistics
		M.A.REI.D.12	and Probability
			M.SP.ID.B.6.a
		Standard 4: Statistics	
		and Probability	
		M.SP.ID.B.6.c	
		M.SP.ID.C.7	